



SEAMEO SEARCA

ANNUAL REPORT
FY 2023/2024



Southeast Asian Regional Center for Graduate Study and Research in Agriculture



The Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) is one of the 26 specialist institutions of the Southeast Asian Ministers of Education Organization (SEAMEO). Founded on 27 November 1966, SEARCA is mandated to strengthen institutional capacities in agricultural and rural development in Southeast Asia through its core programs on education and collective learning, research and thought leadership, and emerging innovation for growth. It serves the 11 SEAMEO member countries, namely, Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, the Philippines, Singapore, Thailand, Vietnam, and Timor-Leste. SEARCA is hosted by the Government of the Philippines on the campus of the University of the Philippines Los Baños (UPLB) in Laguna, Philippines. It is supported by donations from SEAMEO members and associate member states, other governments, and various international donor agencies.

SEAMEO SEARCA Annual Report FY 2023/2024

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PRODUCTION TEAM

Editor

Graphic Designer

Leah Lyn D. Domingo

Edwin Robert A. Cortes

SEAMEO SEARCA ANNUAL REPORT FY 2023/2024

OUR STRATEGIC VISION

A leading enabler and champion of excellence in
agricultural and rural development in Southeast Asia

OUR MISSION

To elevate the quality of life of agricultural families
through sustainable livelihoods and access to modern
networks and innovative markets.



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MESSAGE FROM THE CENTER DIRECTOR



MESSAGE FROM THE DIRECTOR

EXECUTIVE SUMMARY

SCALING TRANSFORMATIVE IMPACT

I am honored to present our Annual Report, a distillation of a year's journey of scaling transformative impact. The phrase can sound grand—almost intimidating—until you remember that “scaling” begins with one small, proven change that someone decides is worth sharing. A teacher shows a new lesson plan to her colleagues at the neighboring school. A young researcher uploads data that a policymaker can trust. A farmer tells his brother, “Try this; it works.” When those moments multiply, impact begins to stretch far beyond the boundaries we first imagined. I believe that we achieved substantial growth across our programs during the year.

If you read nothing else in this report, read the voices. They belong to graduate scholars who dared to pivot their careers, to that ventured forward with their prototype, to youth who now speak of agriculture with the excitement usually reserved for cutting-edge industries. Their words remind me that what SEAMEO SEARCA offers is not simply resources or expertise, but conviction: the quiet certainty that Southeast Asia can feed itself, can heal its landscapes, and can lift neighbor community that depends on the soil.

I carry that conviction because of our staff who labor well beyond office hours to coax ideas into reality, our partners and donors who invest trust as well as funding, and the countless champions of change who invite us into their fields, laboratories, classrooms, and boardrooms. Your faith in shared progress turns strategy into action.

As we step into the final year of ATTAIN and shape our next Five-Year Plan, I am mindful that scale is never a destination. It is a discipline of looking outward and asking who else might benefit, what barrier still excludes, and which voice remains unheard. SEAMEO SEARCA will keep asking those questions and we will keep inviting you to ask them with us.

Glenn B. Gregorio
Center Director, SEAMEO SEARCA



Photo by Tuan Ngoc Do

EXECUTIVE SUMMARY

In its 11th Five-Year Plan's fourth year (2023-2024), SEAMEO SEARCA intensified its focus on Accelerating Transformation Through Agricultural Innovations (ATTAIN) by scaling transformative impact through three core programs: Education and Collective Learning, Research and Thought Leadership, and Emerging Innovation for Growth. These programs, serving as engines of ATTAIN, strategically targeted seven priority areas that align with the United Nations Sustainable Development Goals (SDGs). Carried out largely in collaboration with partners, SEAMEO SEARCA's efforts have paved the way for achieving five transformative ATTAIN outcomes that will elevate the quality of life for agricultural families through sustainable practices and access to modern markets:

ATTAIN Outcome 1: Stakeholders embodying mindset transitions

– SEAMEO SEARCA focused on providing scholarships and training to cultivate leaders in agriculture and rural development (ARD) with combined funding from SEAMEO SEARCA and partner institutions. SEAMEO SEARCA organized 54 regional and national learning events, alongside the Center's Agriculture and Development Seminar

Series (ADSS) and SEARCA Online Learning and Virtual Engagement (SOLVE) webinars, as key avenues to encourage mindset transitions. Furthermore, we facilitated institutional development in higher education, most notably through two major capacity building projects, of which Leveling-up Philippine Higher Education Institutions in Agriculture, Fisheries, and Natural Resources (LevelUPHEI AFAR) had many tangible outcomes that benefitted 612 faculty members of 60 members of State Universities and Colleges Association of Colleges of Agriculture in the Philippines, Inc. (SUC-ACAP) located in 16 regions of the country. SEAMEO SEARCA not only strengthened internationalization of higher agricultural education through multi-country networks, foremost of which is the Southeast Asian University Consortium for Graduate Education in Agriculture and Natural Resources (UC), but also sparked youth engagement in agriculture by leveraging its Youth in Agri Talk Show, conducting Sowing Seeds: Careers in Agriculture Orientation for pre-college students in Malaysia and the Philippines, funding agriculture board exam reviews of graduates, and educating members of the SEARCA Youth Ambassadors Platform (SAYAP) in tracking carbon footprint and applying the ESG Sustainability Framework. The Center also conducted the three-month Young Agripreneurs Building Opportunities, Nurturing Growth (YABONG) Bootcamp to enhance youth farmers' expertise in vegetable production and entrepreneurship

ATTAIN Outcome 2: Enabling policies and regulatory frameworks supporting ARD at the local, national, regional, and international levels – With a focus on research that shapes policy, SEAMEO SEARCA implemented research projects that focused on agricultural management systems, sustainable food systems, climate resilience, and evolving agricultural education. Moreover, the Center conducted research aimed at enhancing existing mechanisms, pathways, and frameworks and began developing the Consortium for Agricultural Development, Research, and Extension in Southeast Asia (CADRE). SEAMEO SEARCA also crafted roadmaps for the calamansi industry in Oriental Mindoro and coconut growth areas in Quezon Province, both in the Philippines, to ensure clear plans, alignment, priorities, resources, and continuous improvement within supportive policies. The Center was also at the forefront of a targeted outreach geared toward shaping a supportive legal framework for agri-biotech.

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ATTAIN Outcome 3: Wider access to innovative products and services and business models for increased productivity and income – To enable wider access and boost agricultural productivity, SEAMEO SEARCA funded six innovative solutions in aquaculture, crowd-farming, and decision support in Indonesia, Malaysia, Myanmar, the Philippines, and Thailand. The Center also implemented agrimechanization initiatives and agri-robotics education with universities in Cambodia and the Philippines, and developed two digital platforms to drive collaborative innovation in agriculture, namely, SEARCA Platform to Attain Agri 4.0 through Collaboration and Engagement (SPACE) and Southeast Asia Agri-Technology Transfer (SAATT) Hub. Meanwhile, SEAMEO SEARCA's two-pronged approach to climate action consisted of promoting carbon neutrality through its WISE Carbon Farming Program and Carbon Footprint Project and continued implementing climate resilience projects, namely, the UK Innovation-funded Rice Straw Biogas Hub and the Asian Development Bank-funded project on Accelerating Climate Resilience on Agriculture, Natural Resources, and the Environment.

ATTAIN Outcome 4: Increased investment in the agriculture and rural sector – SEAMEO SEARCA's financial investments in ARD in FY 2023/2024 included support for Grants for Research towards Agricultural Innovative Solutions (GRAINS), Regional Professorial Chair Grants, Seed Fund For Research, and Training; IFS-SEARCA Collaborative Research Grants, travel grants, new and ongoing graduate scholarships, scholars' training, research dissemination grants awarded to scholars, and other academic enrichment, all aimed at empowering agricultural innovators, educators and education leaders, researchers, and other key contributors to ARD.

ATTAIN Outcome 5: Food and nutrition security from a range of choices ensuring well-being in an evolving lifestyle – SEAMEO SEARCA also led projects that fostered diversified production systems and encouraged healthier dietary habits. The Food is Life Exemplified: Mobile App Development Competition for Planetary Health Diet (FLExPHD) for Filipino innovators created mobile applications that empower consumers to make informed food choices aligned with the PHD model. Moreover, SEAMEO SEARCA conducted knowledge

sharing through a conference on School-plus-Home Gardens with Biodiversity Enhancement Enterprise (SHGBEE) in both Palawan, Philippines, and training to promote integrating SHGBEE in the establishment of Agricultural Technology Parks (ATPs) and Mini-ATPs in Cambodia. The Center also stepped up activities on the ground under the School Edible Landscaping for Entrepreneurship in the Philippines.

Knowledge Sharing: To foster knowledge exchange and expertise sharing in Southeast Asia, SEAMEO SEARCA organized 54 conferences, roundtables, workshops, and technical meetings while also publishing 244 press releases and producing 35 new publications to disseminate knowledge gleaned from these events and the Center's research findings. SEAMEO SEARCA also continued to refine its digital Agriculture, Forestry, and Natural Resources (AFNR) Knowledge Platform, which will serve as a valuable resource for agricultural stakeholders.

Solid Resource Base: Recognizing the power of collaboration, in FY 2023/2024, SEAMEO SEARCA prioritized working in partnerships to implement development solutions and signed 54 new formal agreements with 52 partners in FY 2023/2024. These partners come from the academe (15), industry (8), government (4), civil society organizations (23), and individuals (2). Further bolstering this success was the exceptional commitment and expertise of SEARCA's staff, consultants, as well as Adjunct, Senior, and Visiting Research Fellows along with 24 dedicated interns. Fueled by responsible financial management, streamlined operations, and a network of ever-expanding and robust partnerships, SEAMEO SEARCA pushes forward in helping transform agriculture in Southeast Asia towards a BETTER, BIGGER, and SMARTER future.



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INTRODUCTION

MESSAGE FROM THE DIRECTOR

EXECUTIVE SUMMARY

SCALING TRANSFORMATIVE IMPACT

In FY 2023/2024—the fourth year of SEAMEO SEARCA’s Eleventh Five-Year Plan (2020-2025)—the Center intensified its commitment to **Accelerating Transformation Through Agricultural Innovation (ATTAIN)**. Three interlocking flagship programs powered this drive.

Through **Education and Collective Learning**, SEAMEO SEARCA nurtured the next generation of agricultural and rural-development champions, opening pathways for Southeast Asian scholars, professionals, and farmers to pursue advanced study, tailored training, and peer exchange. **Research and Thought Leadership** converted rigorous inquiry into action, guiding policymakers with evidence-based analyses while convening inclusive knowledge platforms that amplified farmer voices and inspired fresh solutions. Meanwhile, **Emerging Innovation for Growth** positioned the Center as a regional gateway for breakthrough ideas—incubating agri-tech startups, brokering technology transfer, and crafting intellectual-property policies that help university-developed technologies reach market scale.

Across these programs, SEAMEO SEARCA tackled seven priority concerns—agribusiness productivity, sustainable farming and natural-resource stewardship, food and nutrition security, transformational leadership, gender and youth engagement, climate resilience, and EcoHealth/One-Health thinking—ensuring that each initiative advanced

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the United Nations Sustainable Development Goals, especially Zero Hunger (SDG 2), Quality Education (SDG 4), Industry, Innovation and Infrastructure (SDG 9), Climate Action (SDG 13), and Partnerships for the Goals (SDG 17). Every intervention was designed to push five transformative ATTAIN outcomes:

- **Stakeholders Embodying Mindset Transitions.** The Center cultivates a culture of innovation and adaptability among its stakeholders.
- **Enabling Policies and Regulatory Frameworks Supporting ARD.**
The Center leads the crafting of frameworks and policies that support agricultural and rural development.
- **Wider Access to Innovative Products, Services, and Business Models.** The Center finds ways to expand ARD stakeholders' access to products and services that increase the income and productivity.
- **Increased Investment in ARD.** The Center explores opportunities to direct investments in the ARD.
- **Food and Nutrition Security.** The Center addresses food and nutrition challenges arising from shifting lifestyles.

This report chronicles how these synergistic efforts came to life over the past year. Together, the narratives reveal more than isolated achievements; they chart a deliberate progression in which SEAMEO SEARCA and its partners scaled transformative impact, bringing the ambitious vision of ATTAIN closer to reality.

ATTAIN OUTCOME 1

STAKEHOLDERS EMBRACING MINDSET TRANSITIONS

GRADUATE SCHOLARSHIP AND INSTITUTIONAL DEVELOPMENT

Expanded Graduate Scholarship Offerings

Scholarships remain a valuable investment in people's potential because of long-term benefits that include innovation, social mobility, economic growth, and improved well-being. The Center thus continued to nurture future leaders in agriculture through various scholarships supporting graduate programs in fields that drive innovation and address challenges in agricultural research and development (ARD). Since the academic year 1967-1968, the Center **awarded graduate scholarships to 1,962 Southeast Asians**, including **572** under joint scholarship projects (**Annex 1**). Partnering with prestigious institutions for joint scholarships was a strategic move that amplified the Center's relevance as it expanded the number of scholarships available to ARD stakeholders across Southeast Asia. By collaborating with global and regional partners, the Center not only increased financial resources but also enhanced scholarship value through access to diverse academic expertise, cutting-edge research, and cross-cultural exchange.

In FY 2023/2024, the Center supported the academic pursuits of **188 graduate scholars**, with **44** successfully earning their graduate degrees (**Annex 2**). Of the 188 scholars, **23 were new recipients of full scholarships for master's and PhD programs**. Notably, **18 of the new scholars were co-funded** by the German Academic Exchange Service (DAAD), National Taiwan University, Malaysian Agricultural Research and Development Institute (MARDI), Sejong University, Universiti Putra Malaysia (UPM), and

Tokyo University of Agriculture (NODAI) (**Annex 3**). By expanding the program through strategic partnerships and aligning it with ATTAIN's priorities, the Center has cultivated a deeper pool of highly skilled professionals poised to lead agricultural and rural development.

A number of SEAMEO SEARCA scholarships were for **dual degree programs (Annex 4)**, which enabled the scholars to gain expertise in two distinct but interconnected fields to enhance their career prospects with specialized knowledge and enable them to develop stronger problem-solving and critical thinking skills. Of the 10 recipients of scholarships for dual degree programs, nine were hosted by University of Montpellier, CIRAD-Montpellier, Centre IRD de Montpellier, and L'Institut Agro Montpellier in France and one by Kasetsart University (KU) in Thailand. Three of the four ongoing scholars are under the **Agropolis Fondation (AF)-SEARCA Scholarship** and one is under the **SEARCA-AF-Universiti Putra Malaysia (UPM) Scholarship**.

Meanwhile, the Center continued to provide full support to its **PhD research scholars**, 10 of whom are new grantees (**Annex 5**). By focusing on PhD dissertation funding, the Center has been able to provide crucial support to scholars at the most advanced stage of their academic research. This has not only helped scholars complete their studies but has also directly contributed to the creation of new knowledge that can benefit society.

Strengthened Partnerships for Graduate Education

The Center's collaborations with leading academic institutions (**Annex 6**) have greatly expanded opportunities for graduate education in agriculture and related fields across Southeast Asia. These partnerships

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created unique synergies and interconnected benefits in institutional development, research, and capacity building through joint scholarships that offered scholars diverse learning experiences while raising academic standards. A notable example is the ongoing partnership with the DAAD, which supports the **In-Country/In-Region Scholarship Programme in Food Science and Natural Resources Management**. This initiative **involves five universities in four Southeast Asian countries**, including IPB University and Universitas Gadjah Mada in Indonesia, UPM in Malaysia, University of the Philippines Los Baños (UPLB), and Kasetsart University in Thailand.

The Center also **renewed its scholarship agreements with National Taiwan University and Tokyo NODA** to ensure continued support for scholars pursuing advanced studies.

The **Regional Professorial Chair Grant** remained a cornerstone of the Center's efforts to foster agricultural and development expertise in Southeast Asia. This prestigious award **recognizes outstanding scholars for their contributions to research, instruction, and innovation**. In FY 2023/2024, the six new awardees from Nanyang Technological University, Universiti Malaysia Terengganu, Universitas Brawijaya, Chiang Mai University, and UPLB were recognized for **driving thought leadership and addressing critical regional challenges through their work**.

These partnerships enabled the Center to expand its scholarship program and support a larger number of students, while also leveraging the resources and expertise of partner institutions. Moreover, co-funded scholarships have attracted top-quality students, which further elevated the Center's reputation as a leading institution in ARD.

Enhanced Mentorship and Support for Scholars

The Center has **institutionalized its Graduate-On-Time (GOT) program** to facilitate timely degree completion while nurturing a culture of innovation and problem-solving among scholars. In FY 2023/2024, the Center provided scholars with **comprehensive training in essential skills such as thesis writing, research methodology, and data analysis**. Scholars also participated in extracurricular activities, including team-building, sportsfests, and testimonial programs for new graduates.



From left: Associate Dean Jiun-Haw Lee and Director Chih-Wei Tung of National Taiwan University (NTU) and SEAMEO SEARCA Center Director Glenn Gregorio and Deputy Director for Programs Nur Azura binti Adam at the ceremonial renewal of the NTU-SEARCA partnership. (Photo courtesy of NTU)

The Center provided additional support to 22 SEAMEO SEARCA scholars, including **funding for research presentations at scientific conferences** (17), **journal publications** (4), and **specialized training** on bioinformatics (1) to further sharpen their skills and contribute meaningfully to addressing pressing agricultural challenges (**Annex 7**).

Moreover, the **revived Scholars and Alumni Conference**, a collaboration with the **Regional SEARCA Alumni Association (RSAA)**, fostered knowledge exchange and networking among 35 scholars and 22 alumni. The 2024 edition, **themed “Cultivating Tomorrow: SEARCA’s Insights for Agriculture’s Future,”** showcased innovative research and insights for the future of agriculture. The networking opportunities with alumni enabled the current scholars to benefit from their elders’ mentorship and shared experiences.

Promoted the Internationalization of Agricultural Education

As Secretariat of the **Southeast Asian University Consortium for Graduate Education in Agriculture and Natural Resources (UC)**, SEAMEO SEARCA advanced the internationalization of higher education in agriculture. In FY 2023/2024, the Center’s leadership within the UC resulted in key initiatives that promoted cross-border collaboration and equipped students and faculty with fresh perspectives and innovative solutions. These included the 7th UC Summer School,

5th UC Faculty Forum, and 36th UC Executive Board Meeting. The Center also administered 112 UC grants for thesis production, research activities, travel grants, research or publication, and collaborative research (**Annex 8**) awarded to 44 UC students and 31 UC faculty members to expand their knowledge, develop new perspectives, build international networks, enhance research collaborations, and foster a global mindset.

The **UC Young Researcher Grant** was launched this year with three grantees from Indonesia and Malaysia. This new grant provided start-up funding for promising early-career academics leading innovative research projects. The grant was established to promote collaboration among UC lecturers, encourage young researchers to adopt innovative approaches to agricultural development, and nurture a new generation of thought leaders in the region.

Pioneered Innovative Learning Models for Postgraduate Students

A notable new initiative under UC is the **postgraduate micro-credentials in food security and climate change (PMC FSCC) project**, an innovative approach to education that will offer short-term, learner-centered courses through micro-credentials. Awarded EUR 752,657 by the **European Commission ERASMUS+ Capacity Building in Higher Education (CBHE)**, the three-year project (2023-2026) is developing flexible, online courses designed to equip learners



The 2023 UC Summer School hosted by Kasetsart University on its campus in Sakon Nakhon Province, Thailand equipped graduate students with the knowledge and skills to address sustainable agricultural challenges in difficult environments.

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with the skills needed to address critical agricultural challenges. In working with strong partners to leverage digital technologies, the Center is creating new pathways for postgraduate students to acquire specialized knowledge and contribute to sustainable development in Southeast Asia.

The project's first year has been marked by significant progress. To ensure its long-term success, several key deliverables were submitted to the European Commission. These included a **Quality Assurance Strategy** to maintain high standards; a **kick-off meeting report** that established roles, timelines, and financial processes; a **needs assessment report** that identified learning outcomes and courses; a **report on training workshops for module writers** documenting a training provided to course developers; and a **report on harmonizing university policies to support micro-credentials**.

Furthermore, a dedicated project website developed by IPB University and Universitas Brawijaya as well as Facebook and LinkedIn pages were launched. The hub is hosted by the Center and is accessible at (<https://pmcfscs.searca.org/>) **for consortium members to collaborate, share content, explore potential university-enterprise cooperation, and learn about educational technology applications.**

Furthermore, the Center co-organized a panel discussion at the **International Conference on Open and Distance e-Learning 2023 (ICODEL 2023)** to promote the use of micro-credentials in agriculture and food security education. Representatives from the

UC emphasized the potential of micro-credentials to provide adaptable and innovative learning pathways.

These micro-credentials will equip professionals with the specialized skills they need to navigate the complexities of a rapidly changing agricultural landscape. The Center's support for **this initiative aligns with its mission to promote adaptability in agricultural education**. By advocating for the adoption of micro-credentials, the Center aims to empower professionals to stay abreast of the latest advancements in the field and contribute effectively to sustainable agricultural practices and food security efforts.

Supported Institutional Development in Strategic Universities

SEAMEO SEARCA signed a **Memorandum of Agreement with the Royal University of Agriculture (RUA) in Cambodia** to enhance faculty capacity. This joint scholarship program enabled four RUA staff members to pursue PhD studies to bolster the university's capacity to deliver high-quality agricultural education.

The Center also completed the "**Leveling-up Philippine Higher Education Institutions in Agriculture, Fisheries, and Natural Resources**" (**LevelUPHEI AFAR**) project funded by the Philippine Commission on Higher Education (CHED). This landmark initiative benefitted **612 faculty members from 60 universities** belonging to the State Universities and Colleges-Association of Colleges of Agriculture

in the Philippines, Inc. (SUC-ACAP). The project fostered stronger ties between the participating Philippine universities and the UC members. Notable outcomes of the project include the **establishment of Memoranda of Understanding/Agreement with UC member universities, revisions to curricula, journal article submissions, introduction of new extension programs, and integration of newly acquired knowledge into existing courses.** Additionally, overseas mobility exchange mentors were appointed as adjunct faculty members in participating HEIs.

TRAINING FOR DEVELOPMENT

SEAMEO SEARCA's **Training for Development** initiatives continue to be a core component of its capacity building thrust, engaging educators, researchers, government officials, farmers, and youth. Key accomplishments included **30 regional and national learning events (Annex 9)**, of which **six training courses were designed for faculty and staff from higher education institutions (HEIs)** under the LevelUPHEI AFAR project. A total of 354 participants from 53 HEIs participated in the **training in strategic communication, scientific writing, and data analytics as well as two cross-visits** to Singapore and Indonesia, **and one culminating forum.**

The **Leadership Development Program for Higher Education Institutions in Southeast Asia (LDP-HEIs in SEA)** and the **Roving Workshop on Climate-Smart Villages (CSVs) as Platforms for Community-Level Anticipatory Climate Adaptation to Improve Food Security and Resiliency** were among the standout regional offerings, fostering leadership and showcasing community-based climate adaptation models. The 2024 cohort of the LDP-HEIs in SEA consisted of 33 participants from 23 higher education institutions in six countries, who applied lessons learned to **develop Re-Entry Action Plans tailored to address the unique needs of their respective institutions.** A blended course co-implemented by the Center and the

International Institute of Rural Reconstruction (IIRR), the roving workshop on CSVs engaged 22 participants from five Southeast Asian countries and Germany in visits to communities that implement food systems-sensitive climate change adaptation platforms.



The roving workshop featured at least 10 learning sites where the participants engaged with local stakeholders and discussed about climate-smart adaptation approaches and technologies.

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The Center and the SEAMEO Secretariat organized the **2nd SEAMEO Knowledge Learning and Sharing Forum** attended by 37 officials from 17 SEAMEO centers, who **developed action plans for SEAMEO-wide knowledge management** in information systems, external stakeholder communication, and partnerships. Moreover, SEAMEO SEARCA co-hosted the **8th International Conference of the Asia Pacific Association of Educators in Agriculture and Environment (APEAEN)**, which focused on emerging trends in agriculture and environment education post-pandemic and was attended by almost 100 participants from various fields who shared research findings and initiatives.

In collaboration with the University of the Philippines Open University (UPOU), the Center offered three online courses focused on **impact assessment, climate risk mitigation, and integrating climate change adaptation and disaster risk management**, attracting 85 enrollees altogether for two batches per course.

The hybrid **Training on School Edible Landscaping for Entrepreneurship (SEL4E)**, covering school gardens in nutrition, education, entrepreneurship, edible landscaping, and organic agriculture, capacitated 36 participants from the Department of Education (DepEd) in Rizal Province and 11 DepEd schools. The Center is implementing SEL4E, funded by Synergy Group Operations Inc. (SGOI) Philippines, to **improve the nutrition and health of children and their families in Rizal province through multistakeholder participation**.

The **SEARCA Online Learning and Virtual Engagement (SOLVE) webinars** and **Agriculture and Development Seminar Series (ADSS) (Annex 10)** addressed biofortification, breeding innovations, and One Health, among other issues. These events attracted 597 onsite and virtual participants, with global participation from Asia, Africa, North America, South America, and Europe.

The Center also partnered with the International Union for Conservation of Nature (IUCN) to develop a **curriculum for managing Protected and Conserved Areas in Southeast Asia**. Also in the works is a pilot program titled **e-Learning for Champions to Scale up School plus Home Gardens (eLS+HG)** focused on engaging parents and local governments in scaling school gardens to home settings for greater sustainability.

YOUTH ENGAGEMENT IN AGRICULTURE

FY 2023/2024 saw a surge in vibrant youth-related activities at the Center with a resonance that reverberated across the region. The **SEARCA Youth Ambassador Platform (SAYAP)** launched **Sowing Seeds: Cultivating Youth's Future in Agriculture**, a career orientation program that promotes agriculture as a viable career choice among high school students. Two sessions were held in the Philippines and one in Malaysia with a total of 213 participants. These sessions highlighted various career paths and opportunities in agriculture for pre-university students from **Colegio de San Juan de Letran Calamba, Philippines** and **Pusat Asasi Sains Universiti Putra**

Malaysia. The Sowing Seeds program is one of the Center's initiatives designed to increase interest in agriculture among pre-university students to help them make informed career choices.

The Center also organized several activities to equip young SEAMEO SEARCA staff with the knowledge and skills they need to contribute more effectively to the Center's mission. This included **enabling seven SAYAP members to participate external learning and networking.**

This year's **SEARCArunungan para sa SEARCAbataan** seminar-workshops which are internal discussion forums for SEAMEO SEARCA's young staff, were organized to support the Center's project on tracking carbon footprints to quantify the Center staff's own environmental impact. A follow-up workshop on **Practicing the ESG Sustainability Framework** was also organized by PU to introduce ESG not only as a commitment to sustainability practices but also as a conscious effort ingrained in every staff member's daily practices and mindset.

Support was extended to the **Dagatan Family Farm School (DFFS)**, the first family farm school in Asia, through the **Green Skills for SEARCA Youth**. Moreover, the Center partnered with the **International School of Sustainable Tourism** to recognize the **first Youth Lakbay Bukid Awardee**, Mr. Francis Perdigon of Perdigon Farm in Butuan City, Agusan del Norte, Philippines. Mr. Perdigon is a dedicated Generation Z farmer and licensed agriculturist whose hands-on approach to farm work reflects his genuine passion for farming and rural development.

The Center also embraced innovative approaches to enhance youth engagement in agriculture through the **Youth in Agri Talk Show**, which targets a young audience and features engaging discussions on various agricultural topics and career opportunities. The second episode was titled "Winged Warriors: The

Unsung Heroes of Agri-Land" and featured Dr. Nur Azura binti Adam, SEAMEO SEARCA Deputy Director for Programs. In this episode, questions for Dr. Nur came from students the Philippines, Singapore, and Malaysia. The episode gained significant traction, amassing over 120,000 views and sparking interactive discussions across multiple platforms.



SEARCA Deputy Director for Programs Dr. Nur Azura binti Adam, an entomologist, served as the guest expert in the second episode of the talk show.

The Center also provided **mentorship to Agri-biosystems Engineering students** of Laguna State Polytechnic University (LSPU), who **developed learning modules and gained hands-on experience with robotics and 3D printing.**

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ATTAIN OUTCOME 2

ENABLING POLICIES AND REGULATORY FRAMEWORKS SUPPORTING ARD

RESEARCH FOR DEVELOPMENT

The Center's commitment to advancing research-driven agricultural development was evident in its initiatives that address climate change, gender inequality, and food security. In FY 2023/2024, the Center implemented policy-relevant research projects (**Annex 11**) that foster collaboration with policymakers, build the capacities of stakeholders, and create digital platforms for enhanced engagement with the long view of driving sustainable agricultural solutions in Southeast Asia.

A notable example is the **Scoping Study on Carbon Farming** policies and programs in Cambodia, the Philippines, Thailand, and Vietnam conducted through in-depth interviews with representatives from government agencies, academic institutions, civil society organizations, and farmers' groups. The consolidated scoping report will be completed in the first quarter of FY 2024/2025.

During the year, the Center also completed the country assessments and case studies examining the different innovative approaches in Bangladesh, Cambodia, Indonesia, Pakistan, Philippines, Sri Lanka,

and Vietnam for broader adoption and upscaling of sustainable agricultural mechanization for a gender-sensitive food systems transformation in Asia. These are components of the **Sustainable Agricultural Mechanization in Gender-Sensitive Food Systems Transformation in Asia (SAMGeFS)** project funded by the Food and Agriculture Organization of the United Nations (FAO). The Center has completed the drafts of the consolidated country assessment report and the seven country-level case studies.

In line with these efforts, the **Bridging and Upgrading Mechanisms and Pathways for the Uptake of Biotech (BUMP UP Biotech)** project funded by the Philippine government aimed to identify pathways for biotech innovation adoption for food security. The project was implemented in Oriental Mindoro and Agusan del Norte, Philippines through surveys and interviews with local government officials to gather insights on agricultural biotechnology. The **results will be used to develop a primer and training modules on agri-biotech for public servants**. Members of the press were also key stakeholders tapped for the project, 68 of whom attended a hybrid media briefing dubbed "What's up "B"?" Conversations with the Media on the Status of Philippine Ag-Biotech." Community radio broadcasters participated in a SEAMEO SEARCA-led **Biotech Media Mentoring Workshop** where they brushed up on program formats and segments for discussing agri-biotech on the radio and created individual radio program proposals to implement for six months.



Mr. Jerome Barradas (left) of SEAMEO SEARCA's Research and Thought Leadership Department briefs selected community radio broadcasters from Oriental Mindoro and Agusan del Norte, Philippines attending the Biotech Media Mentoring Workshop on 11 November 2023 in Alabang, Muntinlupa City, Philippines.

Other capacity building initiatives under the Center's Research for Development (R4D) strategy was a back-to-back **Training Workshop on Halal Slaughtering and Certification** and the **Halal Executive and Management Training Workshop** held in Singapore. Conducted in collaboration with Majlis Ugama Islam Singapura (MUIS) and Universiti Putra Malaysia, and the Association of Southeast Asian Nations (ASEAN) Working Group on Halal Food (AWGHF), the training workshops enhanced the capacities of halal professionals, policymakers, and regulators across Southeast Asia. In providing these specialized trainings, **research was applied in practical contexts to help harmonize halal practices** in the region.

The Center also leveraged digital platforms to broaden its reach and impact. The **SEARCA Platform for Attaining Agri 4.0 Collaboration and Engagement (SPACE)** and the **Southeast Asia Agri-Technology Transfer (SAATT)** platform are intended to foster collaboration and knowledge sharing among experts, institutions, and stakeholders. These virtual communities, lodged in the Center's website, were established to create opportunities for collective problem-solving and the transfer of agricultural technologies. As such, they are envisaged to significantly enhance SEAMEO SEARCA's ability to support innovation and inform policy and practice across the region.

POLICY AND PROGRAM ADVISORY SUPPORT

Provided Policy Guidance for Governments Through Strategy Formulation

The Center's strides in providing policy and program advisory in Southeast Asia were made through initiatives that support agricultural development. One such effort is the Center's **technical assistance in developing strategic roadmaps for key agricultural industries** in the Philippines. In collaboration with the **Provincial Government of Oriental Mindoro**, the Center helped develop the **Calamansi Industry Roadmap** to provide a strategic framework that outlines the vision, mission, and goals needed to boost the competitiveness of the calamansi industry in both domestic and international markets. Similarly, the Center worked with the **Office of the Provincial Agriculturist in Quezon Province** to co-develop a **roadmap for the coconut industry**, focusing on the sustainable development of virgin coconut oil, copra, lambanog (an alcoholic beverage made from coconut flower sap), and coco sugar production. These roadmaps serve as comprehensive guides for local governments to promote sustainable growth and increase the market presence of their respective industries.

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SEAMEO SEARCA and partners engaged Filipino legislators and legislative staff at the House of Representatives for the forum on Breeding Innovations for Increasing Productivity and Climate Resilience in Crops and Livestock on 8 August 2023.

SEAMEO SEARCA produced a policy brief that underscores the potential of school-based food and nutrition programs (SBFNPs) to catalyze sustainable and inclusive development in Southeast Asia based on insights from a collaborative regional forum organized by the Center and the **Asian Farmers' Association for Sustainable Rural Development (AFA)**. The brief discusses the benefits of and challenges of the meaningful inclusion of smallholder farmers or farming families in SBFNPs. It provides actionable policy recommendations designed to bolster farmer participation in SBFNPs and strengthen the interconnectedness of nutrition, education, and development

Facilitated Policy Forums to Bridge Gaps Among Stakeholders

Beyond strategy formulation, the Center has been an active advocate for policies that support agricultural innovation. It hosted policy dialogues and forums to facilitate discussions among policymakers,

researchers, and stakeholders. The **SEARCA-USDA Biotech Outreach Series** brought together over 1,100 participants—including legislators, researchers, media, and youth—to discuss emerging issues and opportunities in biotechnology. The series covered the prospects for biotechnology in international trade, breeding innovations for climate resilience in crops and livestock, and the policy environment for biotech industry development. Held in hybrid mode for the first time, the outreach series was co-organized with the **Philippine Rice Research Institute and Crop Biotechnology Center of the Department of Agriculture (DA), Philippine Judicial Academy, Philippine House of Representatives, and International Service for the Acquisition of Agri-biotech Applications, Inc.**

The Center's role in fostering discussions on biotechnology and its impact on agriculture extended to two other events. It hosted an **Open Discussion on Fostering Inclusive and Sustainable Trade through Biotech Information Management and Policies (FIST BMP)**, where key stakeholders from the Philippine

biotechnology community, alongside representatives from the **US Embassy Manila** and the **US House Armed Services Committee**, discussed the status of biotech crops, policies ensuring their safety, challenges in the supply chain, and opportunities for collaboration to promote inclusive and sustainable trade of biotech crops. To mark two decades of Bt corn in the Philippines, the Center and **Bayer Crop Science** organized the “**20 Years and Onward: Advancing the Future of Philippine Yellow Corn**” Forum that drew over 160 participants from diverse sectors who discussed key policies, challenges, and opportunities within the yellow corn value chain. The organizers will consolidate the forum discussions in a policy brief.

Strengthened Regional Cooperation to Tackle Shared Challenges

In FY 2023/2024, the initial concept for Consortium for Agricultural Development, Research, and Extension (CADRE) was introduced to the **ASEAN Technical Working Group on Agricultural Research and Development** during their 18th meeting in Singapore. To refine the concept, a regional consultation workshop was held at SEAMEO SEARCA, which brought together potential members and partners to discuss the consortium’s goals, research priorities, and organizational structure.

The **ASEAN-CGIAR Intervention Package (IP3) Regional Consultation Workshop**, led by **Alliance of Biodiversity International** and **International Center for Tropical Agriculture (CIAT)**, is another collaborative initiative involving SEAMEO SEARCA. It brought together experts from across Southeast Asia to share insights and chart a path forward for agrobiodiversity conservation and utilization. The national and regional IP3 partners discussed the findings and outcomes of national consultations conducted in Lao PDR, the Philippines, Thailand, and Vietnam. They also identified where and how they can contribute and add value to the future work of IP3.

AFNR KNOWLEDGE PLATFORM DEVELOPMENT

The Center’s **Agriculture, Forestry, and Natural Resources Knowledge Platform (AFNR KP)** is an ambitious initiative designed to create a dynamic hub for researchers, policymakers, and practitioners in Southeast Asia. Although still in development, the AFNR KP is a focal point where experts from diverse backgrounds can connect, collaborate, and share knowledge to drive sustainable agricultural and rural development. Central to this vision is a **vibrant community of practice**, where researchers, policymakers, and can engage in meaningful dialogue, exchange ideas, and work together. SEAMEO SEARCA has partnered with the **Philippines Partnership for Sustainable Agriculture (PPSA)** and accepted the lead role for its **Learning Alliance Working Group**, an established community of practice that can jumpstart AFNR’s community.

SCALING TRANSFORMATIVE IMPACT

ATTAIN OUTCOME 3

WIDER ACCESS TO INNOVATIVE PRODUCTS AND SERVICES AND BUSINESS MODELS FOR INCREASED PRODUCTIVITY AND INCOME

OPEN INNOVATION AND AGRI-INCUBATION

Invested in Innovation Development for Farming Integration

The Center's **Grants for Research towards Agricultural Innovative Solutions (GRAINS)** program has been instrumental in fostering innovation and driving sustainable agricultural development in Southeast Asia. In FY 2023/2024, the program funded six innovative projects in Indonesia, Malaysia, Myanmar, the Philippines, and Thailand. Now extending to five countries, GRAINS is a step forward in advancing transformative innovation in sustainable ARD across Southeast Asia.

One of the new GRAINS projects is **developing an intelligent fish-feeder** using computer vision and Internet of Things to enhance feeding efficiency in small-scale aquaculture farms in Malaysia. The **integration of electroencephalography into animal welfare and halal meat production practices** is being

explored by another Malaysian grantee. A project in Indonesia aims to **create a smart aquaculture system based on artificial intelligence** to optimize shrimp hatchery processes and increase productivity. Another project sought to **provide Thai farmers with accurate weather forecasts to support their agricultural activities and mitigate climate impacts**. GRAINS also supported the **development of a crowd-farming app in Myanmar** as a platform for smallholder farmers to connect with investors and markets as well as promote sustainable agricultural practices and inclusive rural development. Furthermore, a **spatial decision support tool that leverages satellite data and AI was developed to predict soil moisture and support irrigation management** in cacao farms in the Philippines.

During the year, the Center **produced three videos showcasing successful GRAINS projects**, which are posted on its website and social media. "Empowerment of Okra Farmers through DAKOTA" highlights a **blockchain-powered platform for Indonesian okra growers**. "ARCHIE: Agricultural Robot for Crop Health in InsEct Control" presents an **AI-powered robot for pesticide application**. "Bioplastic Shifts Agrowaste into Sustainable Solution" features Filipino scientists **creating bioplastic from shrimp shells**. The story was repackaged into a one-minute video titled "Unusually Sustainable: Bioplastics from Shrimp Shells Plus Mango Waste!", which premiered at the Curious2024

- Future Insight conference in Mainz, Germany and emerged a **winner in the Top 10 Nature Awards** out of 250 videos submitted by researchers around the world.

Facilitated Open Innovation and Knowledge Exchange

The Center led two key agri-innovation events: the **Southeast Asia Agri-Innovation Forum in the Philippines** and the **AgriTech Field Day: Farmers' Exchange Program in Cambodia** to foster collaboration and showcase pioneering agricultural solutions from new GRAINS recipients in Indonesia, Malaysia, Myanmar, the Philippines, and Thailand. Their innovative project concepts were presented and received expert feedback. The AgriTech Field Day was jointly organized by SEAMEO SEARCA and the Cambodia-based **Center of Excellence on Sustainable Agricultural Intensification and Nutrition (CE SAIN)** to convene Cambodian farmer leaders and European agritech startups. Showcasing new technologies at the CE SAIN Agricultural Technology Park, the event explored potential synergies between Southeast Asian and European innovators. Startups supported by Impact Hub Phnom Penh and innovators like S.E.C. Solar Energy and SpaceCrop Technologies-Hungary engaged with Cambodian farmers and rural communities to share agtech advancements. Both events facilitated dialogue, nurtured an entrepreneurial spirit, and encouraged idea exchange for collaboration and scaling opportunities for the GRAINS projects.

Among the steady stream of student guests visiting the **SEARCA Hub for Agricultural and Rural Innovation for the Next Generation (SHARING)**,

primary and secondary students from ACTS Center and Reedley International School had the opportunity to witness a **demonstration of agrobotics in action using LEGO Education tools** such as the WeDo 2.0 kit and Mindstorms EV3 at the **SHARING Café**. The demos offered a glimpse into how robotics can be applied in agriculture and spark interest among the students.

Since 2023, the Center's website has featured detailed information about the **SHARING AgriMuseum and Café**, which are designed for ideation sessions, hands-on learning, and agrobotics internships.

Fostered Agripreneurship and Startup Acceleration

To support the growth of agricultural startups, the Center implemented two collaborative projects with industry partners: **Young Agripreneurs Building Opportunities, Nurturing Growth (YABONG) Bootcamp** in partnership with East-West Seed Philippines and **Accelerating Agri-Businesses in Cambodia through Subsidized Technical Assistance Program (ACCELERATING ACT)** in partnership with Impact Hub Phnom Penh.



YABONG participants perform hands-on training on cross-pollination, mulching, transplanting, trellising, pruning, and vine management.

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The YABONG Bootcamp, supported by the East-West Seed Foundation, trained 17 young farmers in sustainable vegetable production. Participants learned through hands-on and theoretical sessions and showcased their plans at an innovation fair. The top five were awarded PHP 50,000 to support their farm enhancements. The event also boosted their market visibility for future business growth.

ACCELERATING ACT was a project designed to assist agripreneurs and startups in their growth. In its pilot phase, four startups were selected for support: ADSA, an e-commerce platform; PhallChangrit, a cricket value chain company; Preksvay Farm, a smallholder farmer support initiative; and Hattha Neary, a women-led enterprise focused on sustainable packaging. These startups received tailored support to address their specific challenges and scale their operations.

KNOWLEDGE AND TECHNOLOGY TRANSFER

In FY 2023/2024, the Center adopted **VEX Robotics**, a snap-together robotics system, to promote agricultural technology among youth, and **procured classroom bundles for Central Luzon State University (CLSU)**. Along with CLSU, UPLB, and a robotics consultant, the Center also **developed agrobotics modules for elementary and high school students** and conducted **training sessions on VEX Robotics**, including a ‘training of trainers’ program.

The **Food and Life Exemplified: Planetary Health Diet (FLEXPHD) mobile app development competition**



At the SEAMEO SEARCA training workshop on VEX Robotics hosted by CLSU on 23-24 October 2023, trainers from Hytec Power Inc. showcase their latest VEX robotics.

was launched in FY 2023/2024 to combat the triple burden of malnutrition in the Philippines. It was a joint undertaking of the Center; Department of Science and Technology (DOST); Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (PCAARRD); and National Academy of Science and Technology of the Philippines (NAST PHL) that promoted mindful eating patterns and empower individuals to make healthier food choices.

Out of 37 participating teams, **four emerged as winners** and successfully **launched their apps at the 1st National Youth Science, Technology, and Innovation Festival**. These innovative mobile applications offer valuable tools for individuals to track their dietary intake, learn about healthy eating habits, and access personalized nutrition recommendations. By promoting a planetary health diet, the FLEXPHD competition contributed to improving public health and addressing the burning issue of malnutrition in the Philippines.

The Center also developed knowledge products like **training materials on innovative agricultural technologies and practices**.

In FY 2023/2024, the Center collaborated with six technology providers to **promote innovative agricultural technologies and empower communities**. These partnerships focused on advancing agricultural mechanization and supporting various initiatives.

Aside from having **supported CLSU through agrobotics trainings**, particularly its Precision and Digital Agriculture Center (PreDiCt) in the conduct of agrobotics education for elementary and high school students, the Center partnered with **Central Philippines State University (CPSU) to promote the Oggun tractor, an open-system agricultural machine** in the Visayas and identify farmer groups that will adopt the technology. SEAMEO SEARCA and the **UPLB Center for Agri-fisheries and Biosystems Mechanization (BIOMECH)** inspected an upgraded version of the Oggun tractor manufactured by **RU Foundry** in Bacolod City and found that the Philippine-adapted tractor performed impressively in tests. The tractor's use of locally sourced parts makes it easier to repair and maintain, increasing its accessibility to local communities.

With CE SAIN in Cambodia, SEAMEO SEARCA showcased a **no-till vegetable transplanter powered by a two-wheel tractor** and designed to reduce workload required for vegetable planting and increase efficiency. With SEAMEO SEARCA's support, the technology was demonstrated to Takeo Province communities where farmers operated the prototype and provided feedback for improvement.

Project Zacchaeus, a grassroots tech company dedicated to eradicating poverty through innovation, partnered with SEAMEO SEARCA to support farmers in Liliw, Laguna. By leveraging their **FarmKonekt platform**, a community-based farm management tool,

Project Zacchaeus assisted farmers in marketing their agricultural produce. By empowering farmers with digital tools, Project Zacchaeus helped create new opportunities for income generation and improve the livelihoods of rural communities.

PROJECT DEVELOPMENT AND MANAGEMENT

The Center continued to **develop and manage high-quality projects** that drive agricultural innovation and transformational change. **Through the dedicated efforts of its project development arm, SEAMEO SEARCA secured over USD 191,000 in contracts from external sources** that supported projects that align with its seven priority areas. All implemented in the Philippines, the projects covered sustainable coconut production, climate resilience in agriculture and natural resources, and Philippine agricultural higher education roadmap development.

The **Strategic Alliance for Sustainable Coconut Production (STA Coco) project**, funded by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), supports smallholder coconut farmers in Southern Leyte. The Center conducted a baseline assessment in 2022 and planned to initiate an endline assessment in 2025 using the LandScale framework to evaluate the project's impact on productivity and sustainability.

The **TA-10009 PHI: Accelerating Climate Resilience in Agriculture, Natural Resources, and the Environment project**, funded by the Asian Development Bank (ADB), supports the Philippine government's Climate Change Action Program (CCAP). SEAMEO SEARCA, in partnership with NIRAS and the International Centre for Environmental Management (ICEM), provided policy guidance, capacity building, and implementation readiness for securing a USD 500 million policy-based loan aimed at increasing climate resilience in agriculture.

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In partnership with the Commission on Higher Education (CHED) and Visayas State University (VSU), the Center also formulated a **Five-Year Roadmap for the Agriculture Higher Education Program**. This roadmap was designed to align higher education policy with industry trends, regional needs, and socioeconomic development goals.

Meanwhile, the Center continued to implement the two externally funded projects. The **Rice Straw Biogas Hub**, a three-year project funded by the UK Research Institute through Innovate UK, completed a greenhouse gas (GHG) emissions comparison for one planting season and conducted a training on biogas production from agricultural waste. This initiative promoted rice straw-based bioenergy applications and provided policy recommendations for innovative rice straw management to municipal agricultural officers and farmers.

The **Benchmarking of the Agricultural Research for Development (R4D) Management System with Selected Asian Countries project**, funded by Philippine government, analyzed R4D management systems in Japan, Malaysia, South Korea, Thailand, and Vietnam. Through a series of benchmarking activities, the Center gathered comprehensive data to provide policy recommendations for improving the Department of Agriculture-Bureau of Agricultural Research (DA-BAR) research management framework.

Its **Carbon Footprint Project** assessed the Center's environmental impact in the preceding year and calculated emissions at 628.93 metric tons of CO₂e,

with electricity consumption contributing 54% of this total. The project developed an MS Excel-based tool for tracking emissions and supports the Center's broader efforts in climate change mitigation, particularly through its **Web-based Integrated Spatial Engine and Smart Ecosystem (WISE) Rice-based Carbon Farming** program.

On the other hand, the **SEAMEO SEARCA Carbon Farming Program** conducted a scoping study to analyze low-carbon emission farming and carbon credit markets in Southeast Asia. Through interviews with experts and stakeholders across the region, the Center identified key gaps and recommended strategies for a comprehensive carbon trading business model. This model is envisaged to **guide stakeholders in understanding the economic benefits and logistical requirements of participating in the carbon market**, which will promote sustainable carbon farming practices across the region.

ATTAIN OUTCOME 4

INCREASED LEVEL OF INVESTMENT IN THE ARD SECTOR

As the only Southeast Asian center dedicated to agriculture, SEAMEO SEARCA's **funding of capacity building, research, and innovation is strategically designed to generate significant, long-term contributions to sustainable ARD** across the region. In FY 2023/2024, SEARCA continued to strengthen ARD by offering a range of **grants and support programs that develop human capital, spur innovation, and foster collaboration (Annex 12)** to encourage greater investment in ARD.

By providing **Grants for Research and Agri-Innovation Solutions (GRAINS)** and the **Regional Professorial Chair Grants**, SEAMEO SEARCA supported breakthrough research and knowledge-sharing initiatives that serve as catalysts for agricultural innovations, which can attract private sector interest and public funding. The **Seed Fund for Research and Training**, **IFS-SEARCA Collaborative Research Grants**, and **travel grants** enabled beneficiaries to conduct and share research that address pressing agricultural challenges, drawing additional funding and resources to ARD.

Furthermore, SEAMEO SEARCA's **new and ongoing graduate scholarships** and associated **scholars' training** and **research publication and dissemination**

grants for scholars cultivated a new generation of experts and thought leaders in ARD. These highly qualified scholars, professionals, and practitioners received comprehensive support to enhance their research capacity, technical expertise, and academic development. In turn, **these investments in human capital not only contribute to individual growth but also stimulate broader institutional and sectoral investment in ARD** as the research outputs and innovations produced by these scholars can potentially attract funding from both local and international sources.

By **continuously investing in academic enrichment and providing support to key actors** in ARD across the region, SEAMEO SEARCA fosters a virtuous cycle of capacity building and innovation that strengthens ARD and can draw in increased investment in the agriculture sector throughout Southeast Asia.

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ATTAIN OUTCOME 5

FOOD AND NUTRITION SECURITY ENSURING WELL-BEING IN AN EVOLVING LIFESTYLE

Scaled Out School Gardens for Sustainable Food and Nutrition Security

The Center's initiatives in the **School-Plus-Home Gardens Program (S+HGP)** exemplified a multifaceted approach to advancing food and nutrition security in the context of evolving lifestyles. In both the Philippines and Cambodia, the Center spearheaded training of school heads and coordinators involved in school garden programs in FY 2023/2024. In addition, the Center continued to support school gardens that integrate various crops and animals like livestock, poultry, and fish. This crop-animal integration not only provided a continuous supply of vegetables for feeding programs but also encouraged the broader community to adopt these practices. The Center also participated in district-wide evaluations of the gardens in Laguna, Philippines that assessed the gardens' effectiveness and scalability.

In expanding the scope of **S+HGP in the Coron and Busuanga, Philippines context**, the Center addressed not only food security but also environmental stewardship by integrating biodiversity concepts into the curriculum. The **School-Plus-Home Gardens cum Biodiversity Enhancement and Enterprise (SHGBEE)**

Project conducted workshops on integrating SHGBEE concepts (i.e., nutrition, organic agriculture, biodiversity) in the curriculum to update the current lessons for Grades 4 and 7. The workshop participants were teachers, public school supervisors, and local government officials and staff. With **funding from the Regalo ng Kilit Foundation**, SHGBEE's reach was further amplified in the Coron and Busuanga districts through the Kilit Festival 2023, which showcased the community's commitment to the project. Further demonstrating strong local ownership and sustainability potential of the project was the **allocation of funds for garden tools and inputs by the Coron local government** to support implementation of school gardens.



The mascot "Kilit" pose with the students during the 5th Kilit Festival held at Malbato Elementary School.

In Cambodia, SEAMEO SEARCA and CE SAIN implemented a similar program aimed at improving both the educational outcomes and economic well-being of high school students. Through participatory action research, **SHGBEE for Improving the Agricultural Technology Parks (ATPs) and Mini-ATPs in Cambodia** fostered a deeper understanding of the connections between agriculture, nutrition, and livelihood. This approach underscores the importance of incorporating agrobiodiversity and sustainable livelihood development in school curricula to provide students with practical skills that contribute to their communities' food security.

Another offshoot of S+HGP was the **School Edible Landscaping for Entrepreneurship (SEL4E)** Project in Rizal Province, Philippines. By training school and community leaders on sustainable food production, the Center encouraged a mindset shift where food security efforts are not only about consumption but also about creating economic opportunities. A school garden monitoring and evaluation was also conducted to assess the proper implementation of the program.

In all these initiatives, SEAMEO SEARCA's approach addressed long-term food and nutrition security by engaging schools, local governments, and communities in participatory research and capacity-building activities.

Empowered Coconut Farmers to Diversify Healthy Food Products

The Center contributed to building resilient food systems with **trainings that empowered coconut farmers with practical knowledge on sustainable agriculture** as well as business skills, such as those on **good agricultural practices (GAP)**, processing of coconut-based products, and organizational development.

The **GAP training** gave farmers key guidelines for sustainable coconut farming to help them boost yields, improve product quality, and meet consumer demand for healthier, sustainable products. **Teaching farmers coconut processing** opened up opportunities beyond raw production and helped diversify income for coconut-dependent communities.

The **organizational development course** intended to help farmers transition from being simple producers to successful agribusinesses. Through a needs-based approach, the training taught them to work collectively, understand industry laws related to coconut enterprise, and adopt effective business models. With a business-oriented mindset, farmers can increase their income by processing coconuts into a variety of nutritious products and produce a wider range of locally sourced, healthier food options to meet changing consumer needs.

Provided a holistic framework for empowering farmers to respond to shifts in agricultural production, processing, and consumption, ensuring that local communities are equipped to thrive in an evolving lifestyle landscape.

Advocated Biotech for Better Yield and Nutrition

Biotechnology can improve crop yields, enhance nutritional value, and make farming practices more sustainable. The Center's active involvement in raising awareness of the potential of biotechnology to address agricultural challenges like food scarcity, malnutrition, and climate change fostered dialogue among policymakers, scientists, and the public that encouraged a supportive regulatory environment for biotech.

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AMPLIFIED PARTNERSHIPS AND KNOWLEDGE SHARING

The breadth and depth of SEAMEO SEARCA's partnerships with diverse stakeholders underscores its strong commitment to a collaborative approach in transforming Southeast Asia's agricultural landscape. In FY 2023/2024, the Center signed **54 new agreements with 52 partners** in the **academe (15), industry (8), government (4), civil society (23), and individuals (2), both nationally (39) and internationally (15) (Annex 13)**. These formal agreements reflected the Center's dedication to broad collaboration and impactful engagement.

A standout partnership was with Thailand's Digital Economy Promotion Agency, which is now supported by GRAINS to empower farmers with precise weather data to optimize their agricultural practices. Singapore-based **The Head Foundation** was so impressed by the Center's successful school gardens initiative that they offered to partner with the Center to scale it out in Cambodia in FY 2024/2025. The keen interest of the **Ministry of Agriculture and Rural Development (MARD) in Vietnam** and the **Ministry of Agriculture, Livestock, and Irrigation (MoALI) in Myanmar** on implementing the Center's school-plus-home gardens model in their countries indicates the **S+HGP's expanding regional impact**. MARD and SEAMEO SEARCA have agreed to collaborate on a **joint research proposal to implement the scaling out of S+HGP in Vietnam**.

Partnerships with institutions in SEAMEO Associate Member Countries were among the highlights of FY 2023/2024. SEAMEO SEARCA successfully established its **first engagement with Spain** through a project related to vocational education and training (VET) with **Asociación de Centros de Formación Profesional (FPEmpresa)**, a non-profit association working on promoting and strengthening VET. Their first project was the **translation of the S+HGP to Spanish** and its distributed to VET schools in Spain. Meanwhile, **Dalhousie University**, a leading research-intensive university in Nova Scotia, **Canada**, and SEAMEO SEARCA had several discussions on joint scholarships and membership in the UC. These new connections will enable the Center to extend its reach beyond the region and adopt innovative approaches that are relevant to the Southeast Asian context.

SEAMEO established connections with various institutions to support and enhance its core programs. These include regional institutions such as the **Agricultural Research Development Agency (ARDA)**



Dr. Winston Conrad Padojinog (second from left), UA&P President, and Dr. Glenn Gregorio (second from right), SEAMEO SEARCA Center Director, shake hands after signing their institutional agreement to cooperate while Dr. Marya Svetlana Camacho (left), UA&P Vice President for Faculty Affairs, and Assoc. Prof. Joselito Florendo (right), SEAMEO SEARCA Deputy Director for Administration, look on.

in Thailand, Vietnam's think-tank **Institute for Policy and Strategy for Agriculture and Rural Development (IPSARD)**, **University of Asia and the Pacific (UA&P)**, **Embassy of France in Manila**, and **ACEN**, an energy firm and one of the biggest private companies in the Philippines.

The Center also recognized the critical importance of consulting with stakeholders to foster productive dialogue and pinpoint the issues and outlooks within the agricultural sector in Southeast Asia, and the key role that it plays in addressing these challenges. From February to May 2024, it actively **engaged stakeholders in nine Southeast Asian countries in a transparent and meaningful consultation** to identify the strengths and opportunities that can be leveraged from the gains of the 11th Five-Year Plan as well as the current and emerging challenges and opportunities in ARD in each country. A total of 37 institutions from academe (8), industry (3), government/research (14), and international and nongovernmental organizations (13) were consulted in Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, the Philippines, Singapore, Thailand, and Vietnam. To make the exercise inclusive, **31 smallholder and progressive farmers from different Southeast Asian countries** were also consulted. The Center used the Photo Voice method to gather the insights of farmers from Cambodia, Lao PDR, Malaysia, and Thailand and focus group discussion to consult with farmers in Indonesia and the Philippines. The data gathered during the stakeholders' consultation identified climate change, food security, and farmers' mindset as top challenges in the region. Alternatively, nutrition-sensitive agriculture, climate action measures, low carbon agriculture, and youth engagement were some of the opportunities that the Center can leverage in addressing the challenges. These insights served as bases in the formulation of the Center's 12th Five-Year Development Plan.

Aware that networking facilitates the formation of collaborations and partnerships between institutions,

the Center actively **participated in several diplomatic and networking events to strengthen its partnerships and explore new opportunities** for collaboration. Engagements included events celebrating diplomatic relations between the Philippines and countries such as Canada, France, South Korea, Romania, and Thailand, as well as industry forums and networking events. These networking opportunities **facilitated connections with industry experts and opened avenues for collaboration** on the Center's current and future initiatives.

Partnerships with the local community to build strong relations remained a priority of the Center with its efforts aligned to support the United Nations Sustainable Development Goals (SDGs), particularly SDGs 2, 3, 8, and 17. A notable **collaboration with United Laboratories (UNILAB) involved a learning session for 17 smallholder farmers** in Barangay Timugan, Los Baños, Laguna, Philippines that focused on financial literacy, online marketing, and healthy living. The Center donated fruit-bearing seedling, which have reportedly become a source of income for local farmers. UNILAB also donated computer units to DFFS, the family farm school supported by SEAMEO SEARCA.

Another noteworthy partnership that the Center forged was with the **Rotary Club of Calamba** in building an **edible garden to serve as a daily food source** for the **abandoned elderly and children with special needs**, who are housed at **Bahay ni Maria** in Calamba City, Laguna, Philippines. The garden will include a nursery greenhouse, a vertical or container garden, an herbal garden, vegetable plots, fruit trees, and a composting area for organic fertilizer.

The Center also provided support to farming groups and schools, including the Samahan ng **Nagkakaisang Magniniyog ng Mulanay, Quezon (SNMMQ)** and **Malvar Organic Farmers Agriculture Cooperative (MOFAC)** by financially supporting their "Upland Rice

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Seed/Coconut Harvest Festival and Farmer's Day" as well as **36 schools under DepEd Laguna Pila Sub-Office** by donating gardening tools, cash, and seedlings to promote agricultural education.

Meanwhile, **public relations (PR) continues to play an important role in creating a positive image and building stakeholders' and public trust** to help the Center attract new partners. In the past year, the Center crafted engaging stories and used its influence with its network of media contacts to **publish 244 press releases** about its programs and activities in both print newspapers and online news sites (**Annex 14**). In a bid to reach more Southeast Asian stakeholders, **18 press releases were translated 24 times in different Southeast Asian languages** (i.e., Khmer, Indonesia, Lao, Malay, Burmese, Thai, Vietnamese) and shared with the Center's media contacts and news sites in those languages. The Center has also coordinated onsite **media coverage of Center events** and **expanded its media network** to foster stronger connections with relevant outlets.

Alongside its media relations efforts was the Center's **corporate communication**, which maintained a unified voice to ensure a coherent narrative, uphold the Center's brand, and safeguard its reputation. The suite of corporate publications produced by the Center in FY 2023/2024 included the quarterly **SEARCA Diary**, the Center's **annual report** in various formats, the **SEARCA Weekly Calendar**, **news articles** for the SEARCA website, monthly **e-news bulletins**, **partnership briefs**, **audiovisual presentations**, **speeches and messages**, various **publicity materials**,

and **country booklets** that summarize the Center's contributions and engagements in the 11 SEAMEO Member Countries and partnerships with most of its nine Associate Member Countries as well as the ASEAN and friendly governments.

To offer a tangible, interactive platform that conveys the Center's key initiatives, relevance, and impact to a diverse audience, **18 institutional exhibits** were strategically conceptualized, placed, and staffed at conferences and other events aligned with its priority areas. Targeting college freshmen mass gatherings, the Center also **distributed care packages of school essentials** and **branded fans that encourage young people to consider agriculture as a rewarding career path**.

The **ATTAIN Reels** have proven to be a successful addition to SEAMEO SEARCA's social media strategy on Facebook. The 21 short videos posted as ATTAIN Reels in our Facebook stories garnered significant attention, with a total of 8,722 views. Additionally, the Center increased the number of **timely and consistent IN PHOTOS posts**. This contributed to a **remarkable boost in the Center's Facebook organic reach**, which grew to 1,598,419—an **impressive 30% increase from last year**. Moreover, the page attracted 65,276 followers, further expanding our online presence. On the other hand, both the Center's **LinkedIn** (2,694) and **YouTube** channels (1,500) saw an **increase in subscribers**. This expansion is indicative of the Center's expanding impact and the efficacy of its digital tactics.

Also produced as part of the Center's PR efforts was the second episode of the **Youth in Agri Talk Show**, which had a **more regional flavor** with its featured guest being Malaysian and the participating students coming from schools in Malaysia, the Philippines, and Singapore. Broadcasted via the Center's Facebook page, the talk show **logged over 120,000 views**. The show benefitted young Southeast Asians by providing a platform to learn about agriculture, connect with experts, dispel misconceptions, and inspire young people to contribute to ARD.

Altogether, these PR initiatives have significantly enhanced the Center's visibility and reputation as a **reliable source of information on ARD** and a **valuable partner in regional development**.

On the other hand, the Center stepped up its **knowledge creation and dissemination for ARD** by **publishing high-quality scholarly work** to expand the reach of ARD content via strategic channels and platforms as well as ensure the effectiveness of knowledge systems using digital technologies. The Center also enhanced access to its institutional knowledge resources to optimize its use.

The Center produced **35 scholarly and technical publications, which included books, guidebooks, monographs (serial and nonserial), conference proceedings, policy papers, development notes, and articles and full issues of the Asian Journal of Agriculture and Development (AJAD) and the SABRAO Journal of Breeding and Genetics**, co-published by the Center and the Society for the Advancement of Breeding Research in Asia and Oceania (SABRAO) (**Annex 15**). These **publications were shared freely with their target audiences**—academics, researchers, policymakers, and ARD leaders—as well as the general public. They were distributed online through the SEAMEO SEARCA and AJAD websites as well as through credible indexing services, supported by social media promotions. Print

copies of **selected publications were distributed at the Center's K-Shop, 14 external exhibits, and donations to 81 HEIs and other institutions**.

More than 100 new SEAMEO SEARCA publications were released since the start of the 11th Five-Year Plan implementation. The most frequently covered (averaging more than 45%) ATTAIn priority areas were sustainable farming systems and natural resource management, food and nutrition security, and transformational leadership for ARD. Gender and youth engagement in ARD as well as agribusiness models for increased productivity and income were the least covered (averaging 10%) ATTAIn priority areas. Enhanced ARD for climate resilience and EcoHealth/One Health applications in ARD had an average of 20%.

A major milestone for AJAD and SABRAO Journal was their **first-time inclusion in the prestigious Journal Citation Reports (JCR) of Clarivate Analytics (formerly Web of Science) in 2023**. In their debut listing, the impact factor of AJAD was of 1.7 and that of SABRAO was 1.4. Being listed in the JCR is a significant achievement as it underscores the trustworthiness and influence of a journal within the global research community as reflected by how frequently its articles are cited by other journals indexed in the Web of Science.

In FY 2023/2024, the Center's **publications were downloaded 8,373 times by 5,599 individuals across 115 countries**. With an average production cost of USD 6 per publication, the free downloads during the fiscal year amounted to an estimated value of USD 38,000. The most downloaded materials were AJAD articles (44%), followed by books and monographs (31%) and policy briefs/notes (16%) in third place. **Journal articles and select publications continued to be indexed by external bibliographic partners** such as Web of Science, EBSCO, and the ASEAN Citation Index, which broadened their accessibility and impact.

SCALING TRANSFORMATIVE IMPACT

The **SEARCA website** remained the Center's primary online platform, **attracting 246,017 visits—an increase of 2%** compared to the previous year. It also garnered a 94% positive response to the online survey question, "Was our website helpful?" The website remained dynamic, handling 797 requests and uploads, 43% of which consisted of press releases and news articles documenting the Center's activities and events.

Moreover, the Center had a successful run of its **17th Annual Photo Contest**, themed "Regenerating Agro-Ecosystems, Lowering 'Global Boiling,'" which received 793 submissions from nine SEAMEO Member Countries.

The **SEARCA Library**, with its collection of **16,400 agriculture and development-related references**, continued to offer a wide range of services. In addition, **917 new publications, scholars' dissertations, weblinks, and abstracts** were systematically processed and added to the Center's online knowledge collections and website.

The **Center's archives handled 133 requests** from various Center units and departments. Efforts to expand and enhance the photobank of past events and activities continued, with **1,342 images uploaded to Flickr**, ensuring reliable backup and easy retrieval. A watermarked, low-resolution **version** of photo contest submissions from 2006 to 2023 was also made available to staff for use in presentations and other materials. Moreover, digitized records, including deeds of donations and sales as well as scholars'

files, were made accessible to relevant departments for streamlined access and efficient use.

SEAMEO SEARCA enhanced its **knowledge-sharing activities in FY 2023/2024 by organizing 54 conferences, roundtables, workshops, and technical meetings (Annex 16)**. These events brought **together 2,610** onsite and online participants from a diverse group of national, regional, and international stakeholders involved in ARD. By facilitating discussions on pressing challenges, including **governance and management of protected and conserved areas, food security, climate change resilience, sustainable agriculture, agricultural innovation, productivity, open and distance learning, benchmarking agricultural research and development systems, agri-robotics and automation, biotechnology and policy, blockchain and AI applications in agriculture, renewable energy and biogas, climate-smart agriculture, and the role of women in agriculture**, the Center played a pivotal role in driving innovation and collaboration in the agricultural sector. These activities elevated SEAMEO SEARCA's reputation as a thought leader and fostered new partnerships and collaborations.

Furthermore, by actively **participating in global conversations and presenting research findings, innovative concepts, and visionary ideas at international conferences and forums (Annex 17)**, SEAMEO SEARCA **staff and scholars elevated the Center's global profile**. They not only **contributed to the body of knowledge** but also kept abreast of emerging trends and challenges in ARD, potentially

influencing policy decisions and practices at both regional and global levels.

ORGANIZATIONAL EXCELLENCE

In FY 2023/2024, SEAMEO SEARCA resource units and support services made significant contributions to the success its programs and activities during the 11th Five-Year Plan. Through concerted efforts to **enhance operational efficiency and cost-effectiveness**, the Center focused on **upgrading its physical facilities, improving information systems, streamlining internal processes, and strengthening human and financial resources**. These initiatives bolstered its ability to achieve its strategic goals.

Renovated Physical Facilities

Throughout the fiscal year, the Center **upgraded its facilities extensively** to improve operational efficiency and boost financial contributions. The Umali Auditorium underwent modernization, including the **installation of a state-of-the-art LED wall, reupholstered chairs, and new carpet tiles**. These enhancements have transformed the auditorium into a top-tier venue for seminars and learning events. The Center's other seminar rooms were also **improved with audio-video facilities**. In addition, it sponsored several conferences and learning events, which highlighted its crucial role as a knowledge hub within the Los Baños Science Community.

Housing facilities also underwent substantial upgrades. Renovations included the **refurbishment of apartment interiors, expanded parking spaces, and repainting roofs and exteriors**. Furthermore, the Center is building an **executive residence that exemplifies sustainable architecture and design**, reflecting its dedication to environmentally friendly and energy-efficient infrastructure.

The SEARCA Residence Hotel (SRH) and its Annex accommodated over 3,400 guests and housed approximately 50 staff and scholar residents throughout the fiscal year. Improvements such as **increased internet bandwidth, upgraded service areas, and upgraded appliances** contributed to a high-quality lodging experience. Other notable projects started in FY 2023/2024 are the canteen and sky garden renovations. Greening initiatives included **installing LED lights, inverter appliances, and rainwater tanks**. These measures lowered the Center's utility costs and carbon footprint, contributing to the Center's long-term sustainability goals.

Enhanced Information Systems

SEAMEO SEARCA recognizes the vital role of technology in today's digital world and has made significant improvements to its information systems. **The development of five new systems**, including the Risk Profile Information System (RPIS) and an enhanced search feature for the Project Management Information System (PMIS), **allows for better monitoring and quicker data-driven decisions**. These new systems aim to **streamline operations further**, especially with the upcoming launches of the Knowledge Resource Information System (KRIS), the Travel Information System, the Training Alumni Tracer System, and the Bidding Management System.

Continuous improvements to existing systems, such as the Human Resource Information System and Attendance Monitoring System have increased operational efficiency. Cybersecurity remained a top priority **with zero system hacks** reported. The Center implemented multiple layers of defense, including **upgraded antivirus software, enhanced firewall protocols, and regular cybersecurity awareness seminars** for staff.

SCALING TRANSFORMATIVE IMPACT

The Center prioritized equipping its staff with cutting-edge IT-based resources, systems, infrastructure, resources, and devices. It provided **34 new workstations**, other IT devices, and peripherals to support the staff members' evolving and increasing IT support and digital requirements. SEAMEO SEARCA also **upgraded its network infrastructure**, doubling the capacity of its redundant internet connection to **500 megabits per second (Mbps)** and increasing the primary connection to **1 gigabit per second (Gbps)**. These improvements provide reliable, high-speed internet access throughout the Center's facilities, enhancing daily operations and supporting large-scale events.

Improved Fiscal Management

In FY 2023/2024, the Center maintained a solid fiscal position characterized by prudent resource allocation and sound financial management. The Center ensured its financial resources were judiciously used to support programs aligned with its mandate and objectives as outlined in the 11th Five-Year Plan. A **well-crafted cost benefit report and budget proposal for FY 2024/2025** submitted in January 2024 secured a **10 percent increase** in the Government of the Philippines (GOP) contribution, further reinforcing the Center's financial foundation.

In addition to the GOP contribution, the Center's **secure and high-yield investments generated a 22 percent increase in interest proceeds** compared to the previous year. These funds and proceeds from facilities and project overheads significantly boosted

its operating budget, enabling the Center to sustain and expand its programs.

The Center also achieved **greater efficiency in financial transactions and reporting**, meeting compliance requirements for stakeholders and partners. The Center's implementation of the **Metrobank Business Online Solutions (MBOS) platform** streamlined payment processing and enhanced transparency and efficiency. Ultimately, the Center's external auditor affirmed its financial integrity by issuing an **unqualified opinion on its financial statements**.

Fostered Staff Excellence

In Fiscal Year 2023/2024, the Center prioritized **enhancing staff experience and promoting professional development** to bolster its human capital. Approximately **50% of the staff actively participated** in various in-house and external learning programs (**Annex 18a and 18b**) under the Center's **Staff Development Program**. Moreover, three staff members successfully completed their master's degrees during this period, while six others continued to pursue graduate studies.

The Center also **launched the Leadership Coaching Program (LCP) Journey** for members of the Management Committee to equip them with the necessary skills and tools to lead their teams effectively. The LCP Journey provided participants with personalized coaching sessions, immersive workshops, and practical exercises aimed not only at enhancing their leadership capabilities but



SEAMEO SEARCA staff in front of the Center's main building

also contributing to a more cohesive and dynamic organizational culture.

At the end of the fiscal year, **69 out of 71 Governing Board-approved positions were filled, and 34 contracted service personnel were engaged.** In addition to the core personnel, the Center utilized the expertise of **219 consultants and technical experts**, as well as **21 Senior Fellows, three Visiting Research Fellows, and one Adjunct Fellow (Annex 19).**

In FY 2023/2024, the Center **welcomed interns from the fields of communication, agricultural economics, engineering, and IT** and provided them with opportunities to gain practical experience aligned with their studies, develop essential workplace skills, and network with professionals both within the Center and at external events. While interns benefited from applying theoretical knowledge, Center **staff gained expertise in mentoring young professionals.** Moreover, interns brought fresh perspectives to the Center's projects and activities, enhancing productivity through their assistance with various tasks.

The Center also **fostered a supportive and inclusive work culture through various events, such as the Year-End Party, Sports Fest, and Summer Outing.** These activities enhanced team cohesion and provided opportunities for staff to strengthen relationships outside the office. The Center **organized seminars, nutrition counseling, and vaccination programs** to promote a healthier and more engaged workforce.

Streamlined Administrative Processes

The Center achieved significant improvements in operational efficiency by **streamlining internal administrative processes.** These improvements included **enhanced asset management practices, streamlined procurement processes** by adopting online platforms and reengineering workflows for utility payments, travel arrangements, and mail delivery. The Travel Request System also helped accelerate and optimize local travel and vehicle management. Regular facility inspections and pest control measures ensured a safe and clean environment for all occupants. Janitorial services were also strengthened, and manpower was allocated more effectively to ensure timely task completion.



Photo by Ho Nguyen

FUTURE OUTLOOK

SEAMEO SEARCA's final ATTAIN year bridges to its 12th Five-Year Development Plan by streamlining operations while keeping agricultural transformation at the fore. Graduate Scholarships and Institutional Development will grow through stronger global university ties, SDG-aligned fields, micro-credentials, and training that sharpens policy, research, and innovation skills. Evidence-based research expands through its new research consortium and an AFNR pivot to climate-smart, low-carbon food systems, while successful S+HGP models scale across the region. The Emerging Innovation for Growth program will widen GRAINS support for agri-startups, spread incubation and acceleration services, and speed digital-agriculture and agrobotics transfer underpinned by tighter project monitoring tools. Partnerships will deepen via an extensive government-academe-private network, youth platforms, and a revitalized SHARING AgriMuseum, amplified by strategic PR. Knowledge products remain central: redesigned web platforms, richer archives, and robust publications. Internally, staff upskilling, upgrades in delivering administrative functions, energy-saving systems, digital finance, and recognition of the SEARCA Residence Hotel as an "Important Cultural Property" modernize and future-proof operations and will collectively reinforce SEAMEO SEARCA's regional ARD leadership.

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Annex 1. Number of SEAMEO SEARCA Graduate Scholarships (Full and PhD Research), FY 2023/2024

Country	FY2023/2024						As of 30 June 2024						Total
	Awarded			On-going			Completed			Others			
	MS	PhD	PhD Res	MS	PhD	PhD Res	MS	PhD	PhD Res	MS	PhD	PhD Res	
SEAMEO SEARCA Regular Scholarships													
Brunei	0	0	0	0	0	0	0	1	0	0	0	0	1
Cambodia	0	2	0	0	1	0	35	6	1	5	3	0	53
Indonesia	0	0	2	1	6	6	147	83	18*	12	11	0	285
Lao PDR	0	0	0	0	2	0	35	7	1	2	1	0	48
Malaysia	0	0	0	0	3	2	45	11	2	3	4	0	70
Myanmar	0	0	2	1	0	0	28	34	1	1	0	0	67
Philippines	1	2	4	3	8	5	141	127	59	13	10	2	375
Singapore	0	0	0	0	0	0	4	0	0	0	0	0	4
Thailand	0	0	1	1	4	0	104	120	6	3	9	0	248
Timor-Leste	0	0	0	1	1	0	25	13	0	2	2	0	44
Vietnam	0	0	1	0	3	2	46	35	4	8	5	1	105
Sub-Total	1	4	10	7	28	15	610	437	91	49	45	3	1300
Project Scholarships													
Brunei	0	0	0	0	0	0	1	0	0	0	0	0	1
Cambodia	0	0	0	1	4	0	29	9	0	0	1	0	44
Indonesia	0	3	0	1	10	1	42	52	0	1	0	0	110
Lao PDR	0	0	0	0	2	0	31	0	0	0	0	0	33
Malaysia	0	2	0	6	5	0	7	6	0	0	1	0	27
Myanmar	1	1	0	3	4	0	24	12	0	0	0	0	45
Philippines	2	6	0	5	12	0	76	50	0	0	3	0	154
Singapore	0	0	0	0	0	0	0	0	0	0	0	0	0
Thailand	0	0	0	0	3	1	63	60	0	0	0	0	127
Timor-Leste	0	0	0	0	0	0	19	2	0	4	0	0	25
Vietnam	2	1	0	1	2	0	41	19	0	1	0	0	67
Others	0	0	0	0	0	0	28	1	0	0	0	0	29
Sub-Total	5	13	0	17	42	2	361	211	0	6	5	0	662
Grand Total	6	17	10	24	70	17	971	648	91	55	50	3	1962

* A scholar reported as completed by 30 June 2024 is also listed as awarded in FY 2023/2024; therefore, this scholar is counted only once in the overall total.

Annex 2. SEAMEO SEARCA Graduate Scholars, FY 2023/2024

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Sokom Kong (M)	Cambodia	KU	PhD	Sciences and Innovation for Animal Health	The Effects of Herbal Medicine of Betel (<i>Piper betle</i>) Leaf Extracts Against Multidrug-resistant Staphylococcus Strains Isolated From Dairy Cows in Thailand	1 August 2023
Richelle Mae Mendoza-Olpot (F)	Philippines	UPLB	PhD	Agricultural Engineering	Development and Optimization of the Production of the Granulated Brown Sweetener from Sugar Palm (<i>Arenga pinnata</i>)	1 September 2023
Sem Sopheak (M)	Cambodia	UPLB	PhD	Environmental Diplomacy and Negotiations	Multilateral Environment Agreements Influence on Total Factor Productivities of ASEAN Countries	1 February 2024

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Jo-an T. Ducducun (F)	Philippines	KU	PhD	Soil Science	Impacts of Land Use Change on Soil Organic Carbon Fractions in Highly Weathered Tropical Soils	1 January 2024
Ricel Iana Marie D.C. Banayos (F)	Philippines	UPLB	MS	Environmental Science	Analyzing Institutional Arrangements and Decision Frameworks for Sustainable Farming Systems Integration with Natural Resource Management in Laguna de Bay	1 February 2024
Bounyore Koulavong (M)	Lao PDR	UPLB	PhD	Forestry	Socio-economic Impacts of Global Change on the Forestry Sector	1 September 2021
Delfim Da Costa (M)	Timor-Leste	UPLB	PhD	Environmental Science	Land Use and Watershed Risk Analysis of Talao-Loes Watershed; Linking the Farming Existence Practices to the Sustainability of the Resources	1 September 2021
Anthony E. Amores (M)	Philippines	UPLB	PhD	Environmental Science	Nature-based Alternatives for a Climate-Resilient Production System: Carbon Capture Potential of Seagrasses Associated with Oyster Aquaculture in Panabo City, Davao del Norte, Philippines	1 September 2021
Joseph R. Pentason (M)	Philippines	UPLB	PhD	Environmental Science	Aspects of Carbon Sequestration in Mangroves and the Role of Burrowing Crabs (<i>Scylla serrata</i>)	1 September 2021
Jemer A. Alimbon (M)	Philippines	UPLB	PhD	Environmental Science	Perceptions, Utilization, and Management of Mangroves in Davao Gulf, Mindanao, Philippines	1 September 2021
Karyn Christlene A. Vitor (F)	Philippines	UPLB	PhD	Environmental Science	Urban Biodiversity in Relation to Land Use and Land Cover Change	1 September 2021
Dian Kusumaningrum (F)	Indonesia	IPB	PhD	Statistics and Data Science	Development of Predictive Analytics for Crop Insurance Policy in Indonesia	1 August 2020
Bhakti Etza Setiani (F)	Indonesia	UB	PhD	Food Science	Biogenic Amines Evaluation and the Application of Isolated Indigenous Lactic Acid Bacteria to Reduce Biogenic Amines Content in the Fermentation Process of Soy Sauce	1 August 2020
Heri Kurnianto (M)	Indonesia	UPM	MS	Epidemiology and Public Health	Prevalence and Risk Factors of Fasciolosis in Dairy Cattle in Boyolali, Central Java, Indonesia	1 September 2019
Amar Maruf (M)	Indonesia	UPM	PhD	Community Development	Exploring the Potential Role of Patron-Client Relationship on Social Resilience to Climate Change Impacts and Risks among Small Scale Sama Bajau Fishermen in Wakatobi National Park, Indonesia	1 September 2019
Dian Agustina Abidinsyah (F)	Indonesia	UPM	PhD	Animal Nutrition	<i>Cajanus cajan</i> (Red Gram) Leaves as Concentrate Replacement for Goat	1 September 2018
Hernawan Yuli Rahmadi (M)	Indonesia	IPB	PhD	Plant Breeding and Biotechnology	Breeding for Moderate Tolerance Oil Palm Planting Material Using Conventional Breeding and Molecular Assisted Approaches	1 September 2018
Fadhliani (F)	Indonesia	UPM	PhD	Water Resources Engineering	Modeling Land Use Change Impacts on Water Resources Adopting a Flexible Semi Distributed Model	1 September 2016
Candle Sidthisone (M)	Lao PDR	UPLB	PhD	Community Development	Analysis of Trade Liberalization in Agricultural Sector and Its Impacts on Poverty Reduction and Wages in Agricultural Sector in the Lao PDR: An empirical study	1 August 2019

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Sarini Ahmad Wakid (F)	Malaysia	UPM	PhD	Biodiversity and Conservation of Natural Resources	Effect of Heavy Metal on the Expression and Properties of <i>Glutathione transferase</i> in <i>Geloina expansa</i> Mousson, 1849	1 October 2020
Nina Farhana Mohd Jamaludin (F)	Malaysia	UPM	PhD	Chemical Engineering	Enhancement of Biohydrogen Production from Palm Oil Mill Effluent (Pome) Utilizing Immobilize Cell Induced by Magnetite Nanoparticle Via Thermophilic Anaerobic Digestion	1 October 2020
Rohasmizah Hashim (F)	Malaysia	UPM	PhD	Agronomy	Development of Pectin-based Edible Coating Enriched with Virgin Coconut Oil (VCO) and Its Potential to Inhibit <i>Fusarium oxysporum</i> on Tomato Fruit (<i>Solanum lycopersicum</i>)	1 September 2019
Hnin Su San (F)	Myanmar	UPLB	MS	Agricultural Economics	Supply Chain Analysis of Grape Production in Yamethin Township, Myanmar	1 August 2019
Michelle B. Gatab-Laruan (F)	Philippines	UPLB	PhD	Development Communication	Towards a Sustainable Organic Agriculture: Program development in the promotion of organic agriculture from the farmers' experiences in Benguet, Philippines	1 August 2020
Maria Cristina P. Pammit (F)	Philippines	UPLB	MS	Agricultural Economics	Farmers to Markets Link Through Growers Organization: Onion Supply Chain Redesign for Ilocos Norte, Philippines	1 August 2019
Michael Noel R. Bonghanoy (M)	Philippines	UPLB	MS	Development Communication	Exploring the Communicative Ecology of a Lumad (Indigenous) Community in Mindanao: Towards improving agricultural communication practices	1 August 2020
Jan Danica S. Asma (F)	Philippines	UPLB	PhD	Development Studies	Adoption of Standards for Improved Production and Marketability of Duck Egg Products	1 August 2019
Judith O. Jimena (F)	Philippines	UPLB	PhD	Extension Education	Resilience is the New Green: An evaluation of climate adaptability techniques and strategies of disaster-prone areas in the Bicol Region	1 August 2019
Sheera Mae N. Diango (F)	Philippines	UPLB	MS	Agricultural Economics	Value Chain Analysis of Rice in some Selected Areas in Mindanao, Visayas, and Luzon, Philippines	1 August 2019
Rattiporn Arphavasin (F)	Thailand	UPLB	MS	Extension Education	Factors Involved with Adoption on Good Agricultural Practices of Coconut Growers in Samutsakhon Province, Thailand	1 August 2017
Kietnapa Wongchanta (F)	Thailand	UPLB	PhD	Extension Education	Aromatic Coconut Supply Chain Management: Case study on Coconut Big Farm in Banphaeo District, Samut Sakhon Province, Thailand	1 August 2017
Komsan Tantichukiad (M)	Thailand	UPM	PhD	Mechanical Engineering	Performance Investigation of Combined Delta-Blade Shaped Darrieus with Savonius Hydrokinetic Rotors and Its Implementation in Agricultural Rural Areas	1 March 2018
Natcha Leevisitpattana (F)	Thailand	UPM	PhD	Environmental Policy and Governance	Decision-making and Agricultural Public Policy for Carbon Credit Supporting	1 September 2011

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Chanoknan Srilapat (F)	Thailand	UPM	PhD	Agribusiness	Development and Management of Supply Chain for Hang-rice Production in Sakon Nakhon Province, Northeast Thailand	1 September 2018
Carlos Amaral (M)	Timor-Leste	UPLB	MS	Agricultural Economics	Profit Efficiency of Rice Farming and Its Determinants Among Farmers in Bobonaro District, Timor-Leste	1 August 2014
Nguyen Xuan Diep (M)	Vietnam	UPLB	PhD	Agricultural Economics	Willingness to Pay for Water Quality Improvement in Handicraft Villages of Hungyen Province	1 August 2019
Trang Thi My Duyen (F)	Vietnam	KU	PhD	Agricultural and Resource Economics	Assessment of Adaptive Capacity to Salinity Intrusion of Rice Farmers and Local Government in the Mekong Delta, Vietnam	1 August 2019
Tran Thanh Liem (M)	Vietnam	UPLB	PhD	Agricultural Economics	Acacia Hybrids Supply Chain for Productive Afforestation in the Northern of Vietnam	1 August 2019
John Christian P. Suyom (M)	Philippines	UPM	PhD	Aquaculture Biotechnology	Population Dynamics Modelling and Mapping of Macrobenthic Organisms in Pahang River Basin	1 October 2022
Lyda Hok (M)	Cambodia	KU	PhD	Agricultural Science	Systematic Stakeholder Analysis for Scaling Up Digital Agricultural Extension Services for Participatory Development Communication in Cambodia	1 August 2022
Cheav Chhuon (M)	Cambodia	UPLB	MS	Veterinary Medicine	Prevalence of Brucellosis in Swine from Slaughterhouses of Phnom Penh, Cambodia Using Elisa Kit	1 September 2021 – August 2023
Saiphou Lormaisim (M)	Cambodia	UPLB	PhD	Animal Science	Effect of Organic Pig Production on Growth Performance and Carcass in Nongphue Campus Savannakhet Province, Lao PDR	1 September 2021 – June 2024
Rambo Mao (M)	Cambodia	KU	MS	Tropical Agriculture	Agonomic Characteristics of Maize Grown in Paddy Soil Along with Soil Chemical Properties and Soil Bacterial Numbers in the Root Zone	1 August 2019 – October 2023
Dian Ridwan Nurdiana (M)	Indonesia	UPLB	PhD	Botany	Physiological Performances of <i>Mangifera odorata</i> Griff (Anacardiaceae) Both Ex Situ and In Situ Conservation Sites in the Philippines	1 August 2019 – January 2024
Yuli Haryani (F)	Indonesia	UPM	PhD	Food Biology	Application of CRISPR/Cas9 Mediated Genome Editing for Improvement of Nisin Production in Mono- and Co-culture of <i>Lactococcus lactis</i> and <i>Lactobacillus casei</i>	1 September 2019 – November 2023
Erise Anggraini (F)	Indonesia	UPM	PhD	Entomology	Biological Control of Oil Palm Insect Pest Using Entomopathogenic Virus	1 September 2019 – November 2023
Siti Norazura binti Jamal (F)	Malaysia	UPM	PhD	Plant Biotechnology	Characterization of Bioactive Compounds with Antimicrobial Properties Isolated from Mangrove Molluscs Against Plant Pathogen	1 October 2020 – June 2024
Siti Amni binti Ismail (F)	Malaysia	UPM	PhD	Agricultural Mechanization and Automation	Towards the Optimization of Droplet Size for Aerial Chemical Spraying Using Unmanned Aerial Vehicle (UAV)	1 September 2017 – October 2023
Ye Tun (M)	Myanmar	UPLB	PhD	Agricultural Economics	Impact of Farmland Registration and Certification on Farm-households in the Central Dry Zone of Myanmar	1 August 2017 – August 2023

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Krisdakorn Wongwai (M)	Thailand	UPM	PhD	Agribusiness	Small Farmers' Motivation to Participate in Contract Farming with Sugarcane Loading Station in Thailand	1 February 2016 - April 2024
Nguyen Tien Phong (M)	Vietnam	UPLB	PhD	Forestry	Researching on Ecological and Regenerative Fundamentals of Some Indigenous Trees in Cuc Phuong National Park to Propose Some Appropriate Solutions in Recovering the Poor Forests in Vietnam	1 August 2019 – January 2024
Hoang Le Huong (F)	Vietnam	UPLB	PhD	Forestry	Study of Climate Change Impacts on Drought and Adaptation Strategies in Binh Thuan Province, Vietnam	1 August 2019 – January 2024
Myint Myat Moe (F)	Myanmar	KU	PhD	Agricultural and Resource Economics	Environmental Efficiency and Farmers' Preferences on Sustainable Agricultural Practices of Rice Production in Bago Region, Myanmar	1 August 2019 – March 2024

*F - female, M - male; IPB - Institute Pertanian Bogor, KU - Kasetsart University, UB - Universitas Brawijaya, UPM – Universiti Putra Malaysia, UPLB - University of the Philippines Los Baños

Annex 3. SEAMEO SEARCA Project Scholars, FY 2023/2024

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Ronelo S. Salaver (M)	Philippines	UPM	PhD	Agricultural Economics	Supply Chain, Risks, and Policy Analysis of Boracay Island, Philippines' Agri-food Towards Strengthening Agri-tourism Linkages and Rural-Agricultural Development	October 2023
Julienne Maria Undine Paz H. Quimio (F)	Philippines	UPLB	PhD	Environmental Science	Sustainability Evaluation of Swine and Poultry Production in the Philippines Using Life Cycle Assessment	September 2023
Arsenio D. Bulfa, Jr. (M)	Philippines	UPLB	PhD	Agronomy	Morpho-physiological Responses of Corn (<i>Zea mays</i> L.) and Soil Physico-chemical Properties on Carbon-based Nanoparticle Applications from Agrowaste Biochar Under Different Environmental Stresses	September 2023
Thu Zar Kyaw (F)	Myanmar	UPLB	PhD	Plant Breeding	Mapping QTL for Heading Date in Pawsan Hmwe Rice (<i>Oryza sativa</i> L.) Using F2 Segregating Population	September 2023
Vuong Thi Khanh Huyen (F)	Vietnam	UPLB	PhD	Agricultural Economics	Sustainable Livelihoods and Adaptation to Climate Change in Bac Kan province	September 2023
Ho Minh Hung (M)	Vietnam	UPM	MS	Agronomy	Evaluation of Seed Priming in Silicon (Si) and Foliar Application in Selenium (Se) in Enhancing Yield of Rice Cultivation Under Drought Stress	October 2023
As Ari Wahyu Utomo (M)	Indonesia	UPM	PhD	Agricultural Economics	A New Formulation for Implementing Reforestation Program in Indonesian Conservation Area by Integrating Unmanned Aerial Vehicle Technology Into Geographical Information System	1 March 2024

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Hagi Sujateruna (M)	Indonesia	KU	MS	Tropical Agriculture	Effect of Temperature Phasing Method and Coating on 'Kluai Khai' Banana Antioxidant Properties and Physicochemical Quality during Ripening	1 August 2021
Imas M. Devangsari (F)	Indonesia	UPLB	PhD	Environmental Science	Active Fe-Al and Humus Complexation Under Different Land-Management on Andisols in Central Java, Indonesia	1 September 2021
Phouthasone Khouangvichit (M)	Lao PDR	UPLB	PhD	Environmental Science	Assessment of Climate Change Impacts on Bueng Eor Marsh Communities in Xaybouly District, Savannakhet Province, Lao PDR	1 September 2021
Chan Myae Lwin (F)	Myanmar	KU	PhD	Agricultural and Resource Economics	Consumers' Valuation of Fortified Rice in Naypyitaw, Myanmar	1 August 2021
Thaw Tar Tin Shwe Oo (F)	Myanmar	UPLB	PhD	Plant Breeding	Molecular Genetics of Submergence Tolerance in Rice (<i>Oryza sativa</i> L.) by Using Myanmar Rice Landraces	1 September 2021
Ngwe Sin Moe Satt (F)	Myanmar	UPLB	PhD	Plant Breeding	Screening of Myanmar Local Rice Accessions for Heat Tolerance, Mapping of QTLs (Quantitative Trait Loci) and Detecting DNA Markers Linked to those QTLs at Flowering Stage	1 September 2021
Julie Zarene A. de Guzman (F)	Philippines	UPLB	MS	Environmental Science	Filipino Women's Environmental Work in Urban Organic Waste and Resource Management	1 September 2021
Lawrence Yves C. Uy (M)	Philippines	UPLB	PhD	Genetics	Identification and Validation of Mutated Genes in <i>Setaria viridis</i> Photosynthesis mutants	1 September 2021
Arunee Suwanngam (F)	Thailand	KU	PhD	Tropical Agriculture	Detection of Plant- Parasitic Nematodes in Thai Agricultural Exports Using Loop-mediated Isothermal Amplification (LAMP) Assay	1 August 2021
Muhammad Chrisna Satriagasa (M)	Indonesia	KU	PhD	Forestry	The Role of Ecosystem-based Disaster Risk Reduction (eco-DRR) in Watershed Scale to Reduce the Impact of Climate Change Effect on Food Security in Tropical Countries	1 January 2021
Chindy Ulina Zanetta (F)	Indonesia	UPM	PhD	Plant Science	Agro-morphological Response and Molecular Characterization of Heat Stress Tolerance in Pea (<i>Pisum sativum</i> L.)	1 August 2019
M Murugan Manikam (M)	Malaysia	UPM	PhD	Forest Management and Ecosystems Sciences	A Study on the Impact of Global Sustainability and Legality Policies on Forest and Timber Industry in Malaysia	1 February 2020
Nursabrina binti Munawar (F)	Malaysia	UPM	PhD	Food Technology	Improvement of Herbal Tea Production: Nutritional, Quality, and Safety	1 September 2019
Nor Akhlisah binti Zulkipli (F)	Malaysia	UPM	PhD	Environmental Engineering	Synthesis of Ethyl Levulinate by Oil Palm Empty Fruit Bunch	1 February 2019
Anne Gellie P. Pablo (F)	Philippines	KU	PhD	Food Science	Impact of Calcium-alginate Microencapsulation to Stability of Vitamin C and Phenolics in Indian Gooseberry juice	1 January 2021

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Marla V. Reloso (F)	Philippines	UPLB	PhD	Agricultural Economics	Supply and Value Chain Analysis of the “Queen” Pineapple Industry in Camarines Norte	1 August 2018
Zyra May H. Centinon (F)	Philippines	UPLB	PhD	Agricultural Economics	Economic Analysis of the Demand for Crop Insurance as a Climate Risk Management Strategy Among Vegetable Farmers in Leyte, Philippines	1 August 2018
Edchelle S. Flores (F)	Philippines	UPLB	MS	Extension Education	Individual and Community-based Adaptation of the Residents of Umingan, Alimodian, Iloilo, Philippines to a Series of Rainfall-induced Landslides	1 August 2018
Phan Xuan Tan (M)	Vietnam	UPLB	PhD	Agricultural Economics	Linkages in Production and Distribution of Dairy Farming: A Case Study in the North of Vietnam	1 August 2018
Nguyen Linh Trung (M)	Vietnam	UPLB	MS	Agricultural Economics	Technical Efficiency and Profitability of VietGAP Adoption of Tomato Farming in Hung Yen Province, Vietnam	1 August 2017
Micah Abegail C. Meman (F)	Philippines	UPLB	MS	Plant Breeding	Phenotyping and Molecular Screening of Selected Rice Genotypes for the Identification of Fertility Restorers for Three Line Hybrid	1 September 2022
Winslet J. Ramos (F)	Philippines	UPLB	MS	Plant Pathology	Evaluation and Morphological Characterization of Mycorrhizal Fungal Communities Inhabiting Plant Roots and Soil	1 September 2022
Bates M. Bathan (M)	Philippines	KU	PhD	Agricultural and Resource Economics	Market Liberalization and Integration of the Philippine Rice Markets	1 August 2022
Hendra (M)	Indonesia	KU	PhD	Tropical Agriculture	Bacterial Microbiota of Rice Seed and Development of Electrochemical Biosensor for Rapid Detection of Bacterial Seed Borne Pathogens of Rice	1 August 2022
Nitphone Senganatham (M)	Lao PDR	KU	PhD	Environmental Science	Developing the Decision Support System in Flood Management for Climate and Land Use Change Adaptation: Case of Xe Bangfai Watershed, Lao PDR	1 July 2022
Khin Mu Aye (F)	Myanmar	KU	MS	Tropical Agriculture	Assessment of Genetic Diversity in Sesame Genotypes from Myanmar and Thailand Using SSR Markers and Morphological Traits	1 August 2022
Chue Htet Hnin (F)	Myanmar	UPLB	MS	Agricultural Economics	Analysis of Food and Nutrition Security in Urban Poor Households, Mandalay, Myanmar	1 September 2022
Moh Moh (F)	Myanmar	KU	PhD	Agricultural and Resource Economics	Can the Adoption of Labor-saving Technology Make Rice Production More Efficient and Profitable?: A case study of Ayeyarwaddy Region, Myanmar	1 August 2022
M Royan (M)	Indonesia	KU	MS	Applied Economics for Agriculture and Environment	Factors Affecting the Adoption of Good Agricultural Practices of the Java Arabica Jumbing-Sindoro in Temanggung Regency	1 August 2021 – June 2024

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Akhmad Zamroni (M)	Indonesia	UPLB	PhD	Environmental Science	Anthropogenic and Geological Factors Influencing Morphological Changes in the Progo River and Its Impacts on the Farmers' Livelihood in Daerah Istimewa Yogyakarta Province, Indonesia	1 September 2021 June 2024
Arjay A. Gerance (M)	Philippines	KU	MS	Applied Economics for Agriculture and Environment	Adoption of Organic Farming Practices for Selected Vegetables: Evidence from Laguna, Philippines	1 August 2021 – June 2024
Gladys C. Dinglasan (F)	Philippines	UPLB	MS	Agronomy	Dry Matter and Protein Yields of Selected Adlai (<i>Coix lacrymajobi</i> L.) Varieties Under Varying Nutrient Applications	1 September 2021 – January 2024
Monique V. Corpuz (F)	Philippines	UPLB	MS	Agronomy	Maize-soybean Production System to Increase Productivity Under Laguna, Philippines	1 September 2021 – January 2024
Ayu Septi Anggraeni (F)	Indonesia	IPB	PhD	Nutrition and Feed Science	In vitro and in Sacco Assessment of Fermentation Characteristic and Ruminal Microbiota in Beef Cattle Fed with Diets Containing Black Soldier Fly Larva (<i>Hermetia illucens</i>) as Methane Reduction Agent	1 September 2020 – September 2023
Cipto Nugroho (M)	Indonesia	UPLB	PhD	Plant Pathology	Epidemiology of the Rice Blast in Rice-Maize Intercropping System in Indonesia	1 August 2019 - September 2023
Gita Addelia Nevara (F)	Indonesia	UPM	PhD	Food Science	Physicochemical, Functional and Rheological Characteristics of Fractionated Kenaf (<i>Hibiscus cannabinus</i> L.) Seed Fiber	1 October 2019 – February 2024
Mai Thanh Huong (F)	Vietnam	UPLB	PhD	Agricultural Economics	Value Chain Analysis of Geographic Indications Coffee Buon Ma Thuot in Dak Lak Province of Vietnam	1 August 2019 – June 2024
Mai Chiem Tuyen (M)	Vietnam	KU	PhD	Agriculture and Resource Economics	Rice Contract Farming in Vietnam: Farmers' Perception and Preferences	1 August 2018 - January 2024
Mai Tien Huy (M)	Vietnam	UPLB	PhD	Agricultural Economics	Value Chain Analysis of Cassava in Central Highlands of Vietnam	1 August 2018 - January 2024
Reymond Denver Q. Buenaseda (M)	Philippines	KU	MS	Applied Economics for Agriculture and Environment	Understanding the Behavior of Filipino Farmers in Using Publicly Available Market Information	1 August 2022 – June 2024
Paul Joseph A. Nuval (M)	Philippines	UPM	PhD	Mass Communication	When Indigenous Knowledge Adapt to Climate Change: Perspectives of indigenous cultural communities in the Cordilleras, Philippines	October 2023
Agus Setiyoko (M)	Indonesia	UPM	PhD	Food Technology	Effect of Extrusion Process Variables on the Characteristics of Bambara Bean-based Rice Analogues	October 2023
Bunnet Nha (F)	Cambodia	UPM	PhD	Animal Science	Effect of Different Total Mixed Ration Degradation Rates on Lactation Performance and Methane Production of Dairy Goats	1 October 2021
Yap Sing Yee (F)	Malaysia	UPM	MS	Aquaculture	Next-generation Sequencing (NGS) for Determination of <i>Vibrio</i> spp. from Cultured Marine Fish Species in Malaysia	1 March 2022

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Siti Sarah binti Jumali (F)	Malaysia	UPM	PhD	Biochemistry	Post-infection Protein Cyclization of Bacteria Leaf Pathogen (<i>Xanthomonas oryzae</i>) in rice (<i>Oryza sativa</i>)	1 March 2022
Rahmah Nur Lailatul (F)	Indonesia	UPM	PhD	Food Engineering	Subcritical Water Extraction Process of Tannin from Areca Cathecu and Its Application in Agro-Industry	1 October 2020
Shanti Dwita Lestari (F)	Indonesia	UPM	PhD	Food Science and Technology	Malaysian Budu: From Processing to Physicochemical, Microbiological and Bio-Accessibility of Fish Protein	1 October 2020
Truong Hong Vo Tuan Kiet (M)	Vietnam	UPM	PhD	Agricultural Policy	Regional Economic Integration: Policy scenarios for sustainable development strategy of mango value-chain in Mekong Delta towards domestic and international markets	1 September 2018
Satria Bhirawa Anoraga (M)	Indonesia	UPM	PhD	Agricultural Process Engineering	Cocoa Pod Husk Pectin Extraction and Application as Emulsifier in Dark Chocolate Production	1 October 2022
Arissara Sopawong (F)	Thailand	UPM	PhD	Biodiversity and Conservation of Natural Resources	Establishment of Biogreen Floating Aquaculture System for Improvement of Water Quality and Fish Production	1 September 2017 – May 2024
Joenilo E. Paduhilao II (M)	Philippines	NTU	MS	Global ATGS	Transcriptome Analysis of <i>Cocos nucifera</i> L. with Coconut Cadang-cadang Viroid Infection	September 2023
Nan San Nyunt (F)	Myanmar	NTU	MS	Global ATGS	Identifying the Impact and Perception of Farmers on Using Agri-mobile Applications in Southern Shan State, Myanmar	September 2023
Nguyen Van Tuan Anh (M)	Vietnam	NTU	MS	Global ATGS	Studying the Expression Level of OsHKT2;1 Gene in Response to Salinity Conditions of Weedy Rice in the Mekong Delta	September 2023
Mai Ngwe Ei Zin (F)	Myanmar	NTU	MS	Global ATGS	Rice Sustainability Analysis in the Context of Climate Change in Myanmar	1 September 2022- June 2024
John Louie P. Baligad (M)	Philippines	NTU	MS	Global ATGS	Application of Three Physical Treatments on Fresh-cut Bitter Gourd (<i>Momordica charantia</i> L.) to Reduce Microbial Risks	1 September 2021-June 2023 (Conferred in August 2023)
Miguelito F. Isip (M)	Philippines	NTU	MS	Global ATGS	Comparative Analysis of Mixed Transcriptomes Between Tomato and Rice Infected with the Plant Pathogenic Fungi <i>Botrytis cinerea</i> and <i>Magnaporthe oryzae</i>	1 September 2021-June 2023 (Conferred in August 2023)
Yulita Dwiningsih (F)	Indonesia	NTU	MS	Global ATGS	Characterization of M1 Mutant Phenotypes Induced by EMS Mutagenesis in Pepper (<i>Capsicum annum</i>) and Screening M2 Families for Tolerance to Salinity	1 September 2021- November 2023
Muhammad Yusril Hardiansyah B. (M)	Indonesia	NTU	MS	Global ATGS	Study on <i>Arabidopsis thaliana</i> histone deacetylases HDA6 and HDA15 and Their Tomato Homologs in Root Innate Immunity and Fungal Symbiosis	1 September 2021-January 2024
Ngoc Hai Trieu Phong (F)	Vietnam	NTU	MS	Global ATGS	Genetic Diversity Analysis of Japanese Champa Rice on the Basis of Whole Genome Sequence Data	1 September 2021- June 2023 (Conferred in August 2023)

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Aeron R. Mojica (M)	Philippines	NTU	MS	Global ATGS	Multi-modal Approach for Cherry Tomato (<i>Solanum lycopersicum</i>) Maturity Assessment Through Deep Learning and Unmanned Vehicles (UV) Integration	1 September 2022 – June 2024
Jason O. Gica (M)	Philippines	NTU	MS	Global ATGS	Development of an Appropriate Method for the Determination of Multiple Mycotoxins in Pork Processed Products	1 September 2022 – June 2024
Carla Kristine M. Silva (F)	Philippines	NTU	MS	Global ATGS	Coffee Leaf Disease Identification and Severity Estimation Using Deep Learning Methods	1 September 2022 – June 2024
Ma. Theresa R. Sawit (F)	Philippines	UPLB	PhD	Development Studies	Establishing a Business Hub Model: A framework for sustainable and inclusive dairy industry development	1 September 2020
Jesus Rommel V. Herrera (M)	Philippines	UNE	PhD	Animal Breeding and Genetics	The Use of Genomic Data in a Dairy Buffalo Breeding Program	1 June 2015
Chaisiri Kitpaosong (M)	Thailand	KU	PhD	Biotechnology	Furanic Acid F2 (FuFA-F2) from <i>Hevea brasiliensis</i> Latex: Toward a transition to an ecologically responsible production of bioactive molecules in a society that sustainably manages its natural resources	1 January 2022
Marich Nur Maqsalina (F)	Indonesia	IPB	PhD	Entomology	Integrated Pest Management Strategy Against Coffee Berry Borers Based on Their Dispersion Capacity in North Sumatra, Indonesia	15 January 2022
Rosawadee Sukkum (F)	Thailand	KU	PhD	Agricultural and Resource Economics	Environmental Values and Economic Development: The conditions for the extension of sustainability certification among oil palm smallholders in Thailand	1 September 2022
Indah Waty Bong (F)	Indonesia	UGM	PhD	Geography	Local Natural Resource Management and Autonomous Conservation Practices in Indonesia	1 January 2023
Nguyen Van Hieu (M)	Vietnam	UPLB	PhD	Plant Breeding	Integration of Genetic Resources from Gene Bank into Breeding Program and Optimization of Their Use for Genetic Improvement: A case study on rice	1 January 2020 – January 2024
Julia Ng Su Chen (F)	Malaysia	UPM	PhD	Bioresource Management	Advancing on the Conceptualization of a Theory of Change for Landscape Approaches to Biodiversity Conservation, The case of Sabah in Malaysia	1 September 2019 – October 2023
Yao Tze Leong (M)	Malaysia	UPM	PhD	Forest Management and Ecosystem Sciences	Ensuring the Future of Perennial Crops in Southeast Asia in a Context of Global Change: Case of Garcinia fruit tree species	1 September 2019 – March 2024
Punlork Men (M)	Cambodia	KU	PhD	Agricultural Science	Innovative Mechanisms to Engage Private Sector in an Agricultural Extension Model in the Transfer and Adoption of Conservation Agriculture Production Systems	1 January 2022

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Vandy Hok (M)	Cambodia	KU	PhD	Agricultural Science	Identification of Limiting Factors in Partnership for Agricultural Research Commercialization in Cambodia	1 January 2022
Channaty Ngang (F)	Cambodia	KU	PhD	Agricultural Science	The Pathways to Improving Extension of Sustainable Agricultural Intensification Practices to Secondary School Students and Communities Through Activities of Mini-Agricultural Technology Parks in Cambodia	1 August 2022
Kroesna Mon (F)	Cambodia	USM	MS	Aquatic Biology	The Efficiency of Different Levels of Locally Produced of Alternative Protein Sources and Food Additive for Fishmeal Replacement in Aqua-feed for Freshwater Clarias Culture	1 October 2021
June-June P. Santos (M)	Philippines	DLSU	PhD	Civil Engineering	Improvement of Buckling Resistance of Steel Reinforcement	1 March 2021
Arjay R. Alba (M)	Philippines	Mapua University	PhD	Computer Engineering	Development of Wireless Sensor Networks and Power Transfer Technology Towards Sustainable Farming	1 August 2022
Jenette C. Centeno (F)	Philippines	Mapua University	PhD	Electronic Engineering	Developing Smart Devices to Monitor the Impact of Climate Change on Aquatic Ecosystems	1 November 2022
Dion Michael M. Mendoza (M)	Philippines	Mapua University	PhD	Electronic Engineering	Development and Optimization of a Smart Aquaculture Systems	1 May 2023
Ian Paul D. Navea (M)	Philippines	SU	PhD	Integrative Biological Sciences and Industry	Genetic analysis of OsPSTOL1 and the Pleiotropic Effect on Heat Tolerance in Rice	1 March 2024
Raia Mae Sumabat (F)	Philippines	SU	MS	Integrative Biological Sciences and Industry	Phenotypic and Genotypic Improvement and Selected Elite Breeding Lines for Multi-Abiotic Stress Tolerance: Submergence and Drought	1 August 2023
Albert Sembiring (M)	Philippines	SU	PhD	Integrative Biological Sciences and Industry	Unraveling the Role of Root Microbiome During Phosphate Starvation in Tomato	1 August 2023
Pete Maverick Nicole Estudillo (F)	Philippines	SU	MS	Integrative Biological Sciences and Industry	Improvement of Efficacy of Horticultural Resources for Immunity Enhancement and Development of Production Standardization	1 February 2023
Ian Paul D. Navea (M)	Philippines	SU	MS	Integrative Biological Sciences and Industry	Fine-mapping and Isolation of gene(s) for Panicle Length in Rice Grown Under Low Phosphorus (P) and Mild-drought Conditions	1 August 2021 – February 2024
Darwin M. Landicho (M)	Philippines	NU	PhD	Bio-agricultural Sciences	Detection, Quantification, and Genomic Analysis of Candidatus Phytoplasma Causing Cassava Witches' Broom (CWB) Disease in the Philippines	1 September 2021
Rohazrin bin Abdul Rani (M)	Malaysia	UPM	PhD	Mechanization and Automation of Agriculture	Design and Development of a Novel Zero-tillage Planting Machine	1 October 2021
Azrina Asmuni (F)	Malaysia	UPM	PhD	Leadership Studies	Exploring the Values of Transformational Leadership and Its Impacts on Organizational Performance	February 2024

Name	Country	Study Post	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Salehudin bin Md Radzuan (M)	Malaysia	KU	MS	Tropical Agriculture	Relationship of Silicon Based Salt with Banana Vascular Bundles Morphology and <i>Fusarium oxysporum</i> f. sp. cubense Infection	1 August 2021
Mohd Zaffrie bin Mat Amin (M)	Malaysia	UPM	PhD	Agricultural Business	Forecasting Agricultural Sector Modeling for Food Sector Supply and Demand	1 October 2021
Mohd Solihen bin Jamal (M)	Malaysia	UPLB	MS	Plant Breeding	Improvement of Blast Resistant in Malaysian Rice Cultivars Through Doubled Haploid Breeding Approach	1 September 2020
Mohd Faiz bin Musa (M)	Malaysia	UPLB	MS	Extension Education	Technology Efficiency to MARDI Techno Agropreneur	1 January 2021
Mohd Ridzuan bin Mohd Daud (M)	Malaysia	UPM	MS	Plant Science	Impact of Land-use Management on Soil Properties of Selected Plantations and Natural Forest in Sintok, Kedah	1 October 2022
Shamsul Amri bin Saidon (M)	Malaysia	UPM	MS	Genetics and Plant Breeding	Multivariate Analysis of Salinity and Submergence Tolerance for Selected Rice Genotypes	1 October 2022
Chairani Putri Pratiwi (F)	Indonesia	NODAI	PhD	Agribusiness Management	Leading Change in Rural Communities: An analysis of transformational leadership and its effect on small and medium enterprise development in Indonesia	August 2023
Asman (M)	Indonesia	Tokyo NODAI	PhD	Plant Pathology	Distribution and Resistance of Cocoa Dieback Disease of Cocoa Caused by <i>Lasiodiplodia theobromae</i> in Indonesia	1 July 2022

*F - female, M - male; IPB - Institute Pertanian Bogor, KU - Kasetsart University, UB - Universitas Brawijaya, UPM – Universiti Putra Malaysia, UPLB - University of the Philippines Los Baños

Annex 4. SEAMEO SEARCA Scholars Under Dual Degree Programs, FY 2023/2024

Name	Country	Host Institution	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed	Funding Source
Chaisiri Kitpaosong (M)	Thailand	University of Montpellier, France	PhD	Biotechnology	Furanic acid F2 (FuFA-F2) from <i>Hevea brasiliensis</i> Latex: Toward a transition to an ecologically responsible production of bioactive molecules in a society that sustainably manages its natural resources	1 January 2022	Agropolis Fondation (AF) – SEARCA
Marich Nur Maqsalina (F)	Indonesia	University of Montpellier, France	PhD	Entomology	Integrated Pest Management Strategy Against Coffee Berry Borers Based on Their Dispersion Capacity in North Sumatra, Indonesia	15 January 2022	AF - SEARCA
Rosawadee Sukkum (F)	Thailand	L'Institut Agro Montpellier	PhD	Agricultural and Resource Economics	Environmental Values and Economic Development: The conditions for the extension of sustainability certification among oil palm smallholders in Thailand	1 September 2022	AF – SEARCA - Universiti of Putra Malaysia (UPM)

Name	Country	Host Institution	Degree	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed	Funding Source
Indah Waty Bong (F)	Indonesia	University of Montpellier, France	PhD	Geography	Local Natural Resource Management and Autonomous Conservation Practices in Indonesia	1 January 2023	AF - SEARCA
Nguyen Van Hieu (M)	Vietnam	University of Montpellier, France	PhD	Plant Breeding	Integration of Genetic Resources from Gene Bank into Breeding Program and Optimization of Their Use for Genetic Improvement: A case study on rice	1 January 2020 – December 2023	AF - SEARCA
Julia Ng Su Chen (F)	Malaysia	CIRAD-Montpellier	PhD	Bioresource Management	Advancing on the Conceptualization of a Theory of Change for Landscape Approaches to Biodiversity Conservation, The case of Sabah in Malaysia	1 September 2019 – October 2023	AF - SEARCA - UPM
Yao Tze Leong (M)	Malaysia	Centre IRD de Montpellier, France	PhD	Forest Management and Ecosystem Sciences	Ensuring the Future of Perennial Crops in Southeast Asia in a Context of Global Change: Case of Garcinia fruit tree species	1 September 2019 – March 2024	AF – SEARCA - UPM
Nur Hidayahanum Hamid (F)	Malaysia	Kasetsart University	PhD	Veterinary Medicine	Assessment of Bacteriocin-Producing Lactic Acid Bacteria from Vegetables Waste for Growth Promotion and Protection Against Aquatic Pathogens in Juvenile African Catfish (<i>Clarias gariepinus</i>)	1 August 2017 – September 2023	SEARCA
Arjay Gerance (M)	Philippines	L'Institut Agro Montpellier	MS	Applied Economics for Agriculture and Environment	Assessment of the Socio-Economic Outcomes from Postharvest Systems Improvement in Selected Tomato Supply Chains: Evidence from Laguna and Nueva Vizcaya, Philippines	1 July 2022 – September 2023	KU and L'Institut Agro Montpellier
M Royan (M)	Indonesia	L'Institut Agro Montpellier	MS	Applied Economics for Agriculture and Environment	The Economic Effects of Implementing the Rural Funds on the Development of the Rural Agro Edu-tourism	1 July 2022 – September 2023	KU and L'Institut Agro Montpellier

Note: The scholars in this table are cross-listed in Annex 3 on SEAMEO SEARCA Project Scholars

Annex 5. SEAMEO SEARCA PhD Research Scholars, FY 2023/2024

Name	Country	Study Post	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Ainulyakin Hasan Imlani (F)	Philippines	IPB	Aquaculture Sciences	Evaluation of Dietary Cinnamaldehyde Supplementation on the Protein Sparing Effects in Nile Tilapia <i>Oreochromis niloticus</i>	September 2023
Damcelle T. Cortes (F)	Philippines	Australian National University	Science Communication	Co-constructing Roles: Science and courts in the genetically modified eggplant litigation in the Philippines	September 2023
Dat Tien Le (M)	Vietnam	Can Tho University	Crop Science	Effects of Phosphorus-Solubilizing Purple Non-sulfur Bacteria on Rice Plants Grown in Saline Soil	September 2023

Name	Country	Study Post	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Jiraporn Sangta (F)	Thailand	Chiang Mai University	Biotechnology	Value-added Component Recovery from Coffee Pulp and Biotechnological Applications	September 2023
War War Lin Aung (F)	Myanmar	Yezin Agricultural University	Natural Resource Management	Genetic Diversity and Detection of Trait-specific Accessions for Grain Yield and Nutritional Values in Millet	September 2023
*Ni Luh Yulianti (F)	Indonesia	Udayana University	Agricultural and Biosystem Engineering	Active and Intelligent Biothermoplastic Film Packaging Design and Application for Avocado Fruit	September 2023–June 2024
Albaris B. Taliyuddin (M)	Philippines	Kastamonu University, Turkey	Aquaculture	Investigation of Ice Disease and the Use of Seagrass (<i>Thalassia hempricci</i>) as a Biofertilizer in Seaweed in the Philippines	March 2024
Nay Aung (M)	Myanmar	Yezin Agricultural Technology	Plant Breeding, Physiology, and Ecology	Assessment of Genetic Parameters Associated with Heterosis for Enhancing Yield in Selected Maize (<i>Zea mays</i> L.)	March 2024
Rubiriza D.C. Resuello (F)	Philippines	UPLB	Community Development	Sustainability of Community-based Livelihood in Geographically Isolated and Disadvantaged Areas in Magallanes, Sorsogon and Lebak, Sultan Kudarat, Philippines	March 2024
Zulaika (F)	Indonesia	Khon Kaen University	Agricultural and Environmental Science	Streptomyces from Vermicompost: Soil-borne Disease Suppression, Induction of Defense Mechanism and Plant Growth Promoting Ability on Vegetable Soybean	March 2024
Bui Quang Van (M)	Vietnam	Vietnam National University of Agriculture	Economics Development	Analysis of Smallholders Beef Cattle Value Chain in Dien Bien Province, Vietnam	November 2019
Yayat Nurhidayat (M)	Indonesia	UPM	Chemical Engineering	Surface Functionalized-Oil Palm Empty Fruit Bunches (OPEFB) Derived Nanocrystal Cellulose (NCC) Membrane: Fabrication and Performance Evaluation for Wastewater Treatment	February 2020
Risa Nursanty (F)	Indonesia	UPM	Food Science	Antibacterial Activity, Phytochemistry, and Toxicity Analyses of <i>Aleuritus moluccana</i> L. and Its Application in Food System	February 2020
Banjie G. Sarmiento (F)	Philippines	UPLB	Environmental Science	Climate Resilience of Coconut-based Agroecosystems in Luzon, Philippines	June 2020
Khairun Najihah Sabri (F)	Malaysia	UPM	Food Service Management	Development of a Mindset Model for Food-based Social Entrepreneurs: Towards sustainable local food security and social well-being	June 2020
Nguyen Quang Minh (M)	Vietnam	University Rotterdam	Climate change mitigation policy and environmental justice	Mekong Delta Before the Flood: Climate change, hydro-politics and the Vietnamese approach to climate resilient development	January 2019
Eduardo F. Roquino (M)	Philippines	UPLB	Environmental Science	Is the Rain Mountain Running Out of Water? A hydrosocial analysis of water scarcity and water security in Mt. Banahaw	June 2019
Emmy Farha binti Alias (F)	Malaysia	University of Bergen, Norway	System Dynamics	Adoption and Diffusion of Sustainable Paddy Production System in Malaysia	June 2017
Mitchiko A. Lopez (F)	Philippines	UPLB	Development Studies	Mainstreaming Gender in Cocoa Agricultural Value Chain in Davao City, Southern Philippines	June 2017
John Dave Aquino (M)	Philippines	Oxford University	Biology-Plant Sciences	Uncovering the Role of RNA-binding Proteins and Cognate RNA in Plant Immunity	July 2022
Analiza C. Ouano (F)	Philippines	UPLB	Soil Science	Formulation and Characterization of Controlled-release Fertilizers Using Water Hyacinth Cellulose-based Coating	August 2022

Name	Country	Study Post	Major Field	Title of Thesis or Dissertation	Date Awarded to Date Completed
Duta Setiawan (M)	Indonesia	IPB	Animal Nutrition and Feed Science	Modelling Feed Security and Sustainability for Livestock Production in West Kalimantan: A system dynamic approach	August 2022
**Rosawadee Sukkum (F)	Thailand	KU	Agricultural and Resource Economics	Environmental Values and Economic Development: The conditions for the extension of sustainability certification among oil palm smallholders in Thailand	August 2022
**Indah Waty Bong (F)	Indonesia	UGM	Geography	Local Natural Resource Management and Autonomous Conservation Practices in Indonesia	January 2023
Nur Hidayat (F)	Indonesia	UGM	Animal Science	Potential of Tropical Seaweed Extract Nanoencapsulation as a Feed Additive to Reduce Methane Emissions in Ruminants	April 2023
Wildan Fajar Bachtiar (M)	Indonesia	UGM	Industrial Engineering	Development of a Sustainable Halal Traceability Framework to Improve the Quality and Safety of Food Supply Chain	April 2023
Imam Tri Wahyudi (M)	Indonesia	IPB	Aquaculture Sciences	Dietary Supplementation of Cinnamaldehyde to Improve Fillet Quality of Stripped Catfish <i>Pangasianodon hypophthalmus</i>	April 2023
Mohamad Arif (M)	Indonesia	IPB	Seed Science and Technology	Effects of Seed Physiological Maturity, Method of Dormancy Breaking, Storage Environment Factor, and Invigoration on Viability of Oil Palm (<i>Elaeis guineensis</i> L. Jacq) Seeds	February 2020 – August 2023
Agustine Restiyana (F)	Indonesia	UGM	Animal Science	Strategy of Ongole Grade Cattle Business Development in Central Java, Indonesia	February 2020 - August 2023
Sarayut Trirat (M)	Thailand	CLSU	Plant Breeding	Genetic Potential of Selected Aromatic Rice Varieties as Combiners, Restorers, and Maintainers for Hybrid Development	November 2011 (ongoing clearance)
Rhea Joy D. Flora (F)	Philippines	West Visayas State University	Agriculture-Crop Science	Effects of Creeping Daisy on the Properties of Soils Under the Selected Plantation Crops and on the Growth and Nutrient Uptake of Cashew Seedlings	April 2023 – May 2024
Dia Noelle F. Velasco (F)	Philippines	UPLB	Agribusiness Management	Developing an Efficient Marketing System for the Mango Industry in Pangasinan, Philippines	April 2023 – March 2024
*Ni Luh Yulianti (F)	Indonesia	Udayana University	Agricultural and Biosystem Engineering	Active and Intelligent Biothermoplastic Film Packaging Design and Application for Avocado Fruit	September 2023– June 2024
***Nguyen Vanh Thanh (M)	Vietnam	Okayama University	Natural Resource Governance	Livelihoods and Governance of Non-timber Forest Products in the Uplands of Vietnam	April 2023 – December 2023

*F - female, M - male; IPB - Institute Pertanian Bogor, KU - Kasetsart University, UB - Universitas Brawijaya, UPM - Universiti Putra Malaysia, UPLB - University of the Philippines Los Baños

**Due to awarding and completion of scholarships occurring in the same fiscal year, projects are listed twice

***Cross-listed in Annexes 3 and 4

****Discontinued studies due to personal reasons

Annex 6. SEAMEO SEARCA Capacity Building Projects to Enhance Higher Education Institutions, FY 2023/2024

Title of Project	Duration	Location of Implementation	Partner/s
Joint Scholarships (18)			
In-Country/In-Region Scholarship Programme III	AY2024-2025 to AY2026-2027	Indonesia, Malaysia, Philippines, and Thailand	German Academic Exchange Service (DAAD)
NTU-SEARCA Joint Scholarship Program for Global ATGS	AY2023-2024 to AY2025-2026	Taiwan	National Taiwan University (NTU)
Tokyo NODAI-SEARCA Scholarship for Dissertation Doctorate Program	AY2023-2024 to AY2025-2026	Japan	Tokyo University of Agriculture (Tokyo NODAI), Japan

Title of Project	Duration	Location of Implementation	Partner/s
In-Country/In-Region Scholarship Programme I	AY 2018-2019 to AY 2020-2021 (completing in AY 2023/2024)	Indonesia, Malaysia, Philippines, Thailand	DAAD
In-Country/In-Region Scholarship Programme II	AY 2021-2022 to AY 2023-2024	Malaysia, Philippines, and Thailand	DAAD
Agropolis Fondation-SEARCA Joint Scholarship	AY2021-2022 to AY2026-2027	France, Indonesia, and Thailand	Agropolis Fondation (AF)
Agropolis Fondation-SEARCA Joint Thesis Scholarship	2022-2026	France, Indonesia, and Thailand	AF
Joint Bulacan State University (BulSU) - SEARCA PhD Scholarship Program	AY 2020-2021 to AY 2023-2024	Philippines	Bulacan State University (BulSU)
MARDI-SEARCA Joint Graduate Scholarship	AY 2020-2023 to AY 2024-2025	Malaysia, Philippines, and Thailand	Malaysian Agricultural Research and Development Institute (MARDI)
NTU-SEARCA Joint Scholarship	AY 2020-2021 to AY 2022-2023	Taiwan	NTU Global Agriculture Technology and Genomic Science
NU-SEARCA Joint PhD Scholarship in the Fields of Agriculture and International Development for Philippine Nationals	AY2020-2021 to AY2022-2023	Japan	Nagoya University, Japan
Tokyo NODAI-UC Scholarship for Dissertation Doctorate Program	AY 2020-2021 to AY 2022-2023	Japan	Tokyo NODAI, Japan
International Service Provider for Local and International Graduate Scholarship Programs in Livestock Research and Biotechnology for the Philippine Carabao Center	Juned 2014 - December 2023	Philippines	Philippine Carabao Center
SU-SEARCA Joint Graduate Scholarship in the Fields of Agricultural Biotechnology, Aquaculture, Food Science and International Development for Southeast Asian Countries	AY 2020-2021 to AY 2023-2024	South Korea	Sejong University (SU), South Korea
UPM-SEARCA Joint Graduate Scholarship	AY 2020-2021 to AY 2024-2025	Malaysia	Universiti Putra Malaysia
CE SAIN-SEARCA Joint Graduate Scholarship	January 2022 - December 2024	Thailand	Center of Excellence on Sustainable Agricultural Intensification and Nutrition (CE SAIN)
USM-CE SAIN-SEARCA Joint Scholarship Development of Innovative and Sustainable Aquafeed Using Local Agro-Residual Resources	AY2021-2022 to AY2022-2023	Malaysia	Universiti Sains Malaysia (USM) and Center of Excellence on Sustainable Agricultural Intensification and Nutrition (CE SAIN)
RUA-SEARCA Joint Graduate Scholarship	AY2024-2025 to AY2027-2028	Cambodia	Royal University of Agriculture (RUA)
<i>Institutional Development Assistance (1)</i>			
Leveling Up Philippine Higher Education Institutions in Agriculture, Fisheries, and Natural Resources (LevelUPHEI AFAR)	November 2020 - December 2023	Southeast Asia, Japan, and Taiwan	Commission on Higher Education (CHED) under the International Continuing Professional Education (ICPE) Program
<i>Others (3)</i>			
Training Programs for the Philippine Higher Education Institutions at the Aquaculture and Aquatic Resources Management Program of Asian Institute of Technology (AARM)	October 2023 - December 2023	Thailand	Asian Institute of Technology (AIT), Commission on Higher Education (CHED)
ERASMUS-EDU-2023-CBHE Postgraduate Micro-Credentials in Food Security and Climate Change (PMC FSCC)	December 2023 - December 2026	Indonesia, Malaysia, Philippines, and Thailand	European Commission/ ERASMUS, UC member universities and UMS, BOKU
Southeast Asian University Consortium for Graduate Education in Agriculture and Natural Resources (UC)	CY 2023	Indonesia, Malaysia, Philippines, Thailand, and Taiwan	UC member universities

Annex 7. Conferences, Seminars, Workshops, and Training Courses Attended by SEAMEO SEARCA Scholars, FY 2023/2024

Title of Activity	Total Number of Participants	Venue	Date
Activities (6), Participating Scholars (54)			
2023 Basic English Course for SEAMEO SEARCA's Incoming Scholars	8	Zoom and SEAMEO SEARCA (face-to-face)	4-8, 11-12 July 2023 (Zoom); 17-21, 24, July 2023 (SEAMEO SEARCA)
Online Training on Thesis Manuscript Writing	24	Zoom	28, 30 August and 1, 11 September 2023
Online Training on Research Methodology and Data Analysis	17	Zoom	22-26 January 2024
7th Philippine Tourism Conference 2024: Farm Tourism-Consciousness to Healthy Living and New Experiences	1	Panglao, Bohol, Philippines	26-27 February 2024
International Conference on Agricultural Sciences and Technology (ICAST 2024): Digitally Sustaining Our Future-Exploring the Application of Emerging Technologies for Food Security and Sustainability	2	Clark, Pampanga, Philippines	13-15 March 2024
1st International Research Opportunities, Development and Extension Outcomes Conference 2024: Bridging Horizons Integrating Knowledge for Regenerative Futures	2	Masbate, Philippines	10-12 April 2024

Annex 8. University Consortium Grants, FY 2023/2024

Name	Country/ Host Institution	Specialization/ Degree Program	Thesis/Project Title or Purpose of Travel and Host Institution	Date Awarded	Date Completed
UC Support for Thesis Production (7)					
Ongoing (7)					
Nurliyana binti Nordin (F)	Malaysia/ UPM	MS Food Security and Climate Change	Effects of Different Types and Concentrations of Wastewater on Seed Germination and Seedling Performance of Two Rice (<i>Oryza sativa</i> L.) Varieties	3 August 2021	
Hapsah (F)	Indonesia/ UB	MS Plant Breeding and Biotechnology	Secondary Metabolites Induction of Stevioside and Rebaudioside in <i>Stevia rebaudiana</i> Bertoni Using In Vitro Media Modification	1 October 2019	
Siti Shazana binti Mohd Ali Raini (F)	Malaysia/ UPM	PhD Soil Science	Application of Basalt in Combination with Biochar to Alleviate Soil Acidity A1 and Fe Toxicity for Growing Rice on an Acid Sulfate Soil	1 October 2019	
Sesmita Sar (F)	Indonesia/ UB	MS Agro-Industrial Technology	Analysis of Consumer Preference and Factor that Influence Marketing Mix Using Structural Equation Model (SEM)-Case Study: Meatball at Malang City	4 November 2019	
Nicci Rosietess E. Madarcos (F)	Philippines/ UPLB	MS Botany/ Phycology	Taxonomic Assessment of Macroalgae from the Intertidals of Selected Islands in Antique, Philippines Using Integrative Approach	24 February 2020	
Siti Aisyah Ruslan (F)	Malaysia/ UPM	MS Agricultural Technology	Development of Geospatial Model for Elucidation of Metisa Plana Landscape Ecology in Malaysia's Microclimate and Prediction of Its Prevalence	15 October 2018	
Mardhati Hazirah Hassan (F)	Malaysia/ UPM	MS Land Resource Management	Selected Coated Urea Assessment on Nitrogen-Use Efficiency (NUE) and Growth of Oil Palm Seedlings	15 October 2018	
UC Student Grant for Research Activities (12)					
New (5)					
Lailani A. Masungsong (F)	Philippines/ UPLB	PhD Botany	Phylogenetic Study of <i>Solanum aethiopicum</i> L. (Solanaceae) Using Morphological, Anatomical, and Molecular Markers	8 May 2024	

Name	Country/ Host Institution	Specialization/ Degree Program	Thesis/Project Title or Purpose of Travel and Host Institution	Date Awarded	Date Completed
Val C. Garcia (M)	Philippines/ CLSU	MS Crop Protection	Bionomics of <i>Altica</i> sp. and its Potential as Biological Control Agent for <i>Ludwigia</i> spp.	8 May 2024	
Mai Ei Ngwe Zin (M)	Taiwan/ NTU	Master's Program in Global Agriculture Technology and Genomic Science	Sustainable Rice Production through Food, Energy, and Water NEXUS Approach: Case study in Ayeyarwady Delta, Myanmar	24 November 2023	
Hagar Ali Marzouk Ibrahim (F)	Indonesia/ UB	PhD Biology	The Combination of Turmeric and Green Tea as Natural Anti-viral Compounds Against Sars-cov-2 Virus-like Particles (Vlps)	10 January 2024	
Alifia Nur Ayusma (F)	Indonesia/ UGM	MS Phytopathology	Control of Rice Bacterial Leaf Blight Caused by <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> by Application of Lemon Grass and Cajuput Oil	24 November 2023	
Ongoing (1)					
Nadia Yasseen Gafar Osman (F)	Malaysia/ UPM	PhD Plant Biotechnology	Screening, Identification and Efficacy Evaluation of Antagonistic Bacteria for Biocontrol of Purple Witchweed, <i>Striga hermonthica</i>	11 October 2022	
Completed (6)					
Allan P. Ministerio (M)	Philippines/ CMU	MS Food Science	Spray Drying of Tomato (<i>Solanum lycopersicum</i> L.) and Pineapple (<i>Ananas comosus</i> L. Merr) Extracts: Vitamin C Stability, Physicochemical Characterization, and a Potential Product Prototype	8 May 2024	June 2024
Castus Paschal (M)	Tanzania/ IPB	MS Agronomy and Horticulture	Grain Filling Characteristics of Different Maize Varieties (<i>Zea mays</i>) Under Different Levels of Nitrogen Fertilizer	8 May 2024	June 2024
Jefferson D. Gagelonia (M)	Philippines/ CLSU	MS Aquaculture	Microencapsulation of Phytoandrogen with Alginate Polymer for Sustainable and Improved Sex Re-direction of Nile Tilapia, <i>Oreochromis Niloticus</i> L.	20 September 2023	June 2024
Oscar Umwanzisiwemuremyi (M)	Rwanda/ IPB	MS Natural Resource and Environmental Management	Spatial Assessment of Illegal Plastic Waste Dumping and Environmental Impacts in Babakan and Cikarawang	23 August 2023	May 2024
Sara Abdelaziz Mohamed Elsayed Elsharkawy (F)	Egypt/ IPB	MS Veterinary Public Health	Analysis of β -Lactamase Resistance Genes in <i>Escherichia coli</i> Isolated from Dairy Cattle Manure in Bogor City, Indonesia	23 August 2023	June 2024
Yudhi Sudarto (M)	Indonesia/ IPB	MS Animal Production Science and Technology	Biogas Production from Tofu Liquid Waste with Cow Manure Mixture	1 July 2022	January 2024
UC Student Travel Grant (37)					
New (34)				Inclusive Dates	
Kristin Banyu Risang Hobo (F)	Indonesia/ UGM	MS Forestry Science	2024 National Taiwan University (NTU) Plus Academy Summer + Program on Biodiversity, Agriculture, and Culture of Taiwan (BACT), NTU, Taipei City, Taiwan	24 June – 23 July 2024	
Christian Pansoy (M)	Philippines/ UPLB	MS Forestry			
Marco Felix S. Valdez (M)	Philippines/ UPLB	MS Animal Science			
Waranun Wimonasuk (F)	Thailand/ KU	MS Plant Pathology			
Atcharapohn Jai-Uean (F)	Thailand/ KU	PhD Genetics	Travel Grant for Research to Tokyo NODAI	May – July 2024	
Parinya Chuachoochat (F)	Thailand/ KU	PhD Community Development	Travel Grant for Research/UPLB	18-27 April 2024	

Name	Country/ Host Institution	Specialization/ Degree Program	Thesis/Project Title or Purpose of Travel and Host Institution	Date Awarded	Date Completed
Nursyazyla binti Sulaiman (F)	Malaysia/ UPM	PhD Agriculture Technology	International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Scientific Congress and General Meeting 2023, Manila, Muntinlupa, Philippines	7-11 November 2023	
Muhamad Noor Hazwan bin Abd Manaf (F)	Malaysia/ UPM	PhD Plant Science			
Rhushalshafira binti Rosle (F)	Malaysia/ UPM	PhD Agriculture Technology			
Hilda Carol Ahkui (F)	Malaysia/ UPM	MS Agronomy			
Siti Nuraishah binti Azman (F)	Malaysia/ UPM	PhD Pest Management			
Nur Humaira Yasmin binti Mohd Alimi (F)	Malaysia/ UPM	MS Material Physics	14th International Fundamental Science Congress (IFSC), Kasetsart University (KU), Thailand	24-25 August 2023	
Stephanie Ester Marie Aure (F)	Philippines/ UPLB	MS Zoology	10th International Conference on Fisheries and Aquaculture 2023 (ICFA 2023), Bali, Indonesia	24-26 October 2023	
Rahma Widya Puspita (F)	Indonesia/ UGM	Master of Estate Crop Product Technology	International Summer Short-term Program 2023 organized by Central Luzon State University (CLSU)	24 July – 1 August 2023	
Luluk Lailatun Nurjannah (F)	Indonesia/ UGM	MS Animal Science			
Istiani Novitasari (F)	Indonesia/ Tokyo NODAI	MS Molecular Biology			
Phummirat Kongpakdee (F)	Thailand/ MJU	MS Fisheries Technology and Aquatic Resources			
Ploy Saenliao (F)	Thailand/ MJU	MS Fisheries Technology and Aquatic Resources			
Teppitag Boonta (M)	Thailand/ MJU	PhD Fisheries Technology and Aquatic Resources			
Souvanny Lorvixay (F)	Thailand/ MJU	PhD in Resource Management and Development			
Jumria Sutra (F)	Malaysia/ UPM	PhD Aquatic Biotechnology			
Kao Chia Yu (M)	Taiwan/ NTU	MS Plant Pathology and Biotechnology	International Summer Short-term Program 2023 organized by CLSU	24 July – 1 August 2023	
Shen Chun Ting (M)	Taiwan/ NTU	MS Biotechnology			
Faqihah Nadhirah binti Ab Rahim (F)	Malaysia/ UPM	MS Aquatic Animal Health			
Sow Cyn Shieng (M)	Malaysia/ UPM	MS Aquaculture			
Aina Hazimah Bahaman (F)	Malaysia/ UPM	PhD Theoretical and Computational Chemistry			
Sumaiyah binti Abdullah (F)	Malaysia/ UPM	PhD Fungal Biotechnology	International Summer Short-term Program 2023 organized by CLSU	24 July – 1 August 2023	
Kalinaki Hanifar (F)	Indonesia/ IPB	PhD Nutrition Sciences	International Summer Short-term Program 2023 organized by CLSU	24 July – 1 August 2023	
Siti Yultria Fomico Sachie (F)	Indonesia/ IPB	MS Agricultural Industrial Engineering			
Nada Nisrina Amri (F)	Indonesia/ IPB	MS Natural Resources and Environmental Management Science			
Rahayu Arraudah (F)	Indonesia/ IPB	MS Agronomy and Horticulture			

Name	Country/ Host Institution	Specialization/ Degree Program	Thesis/Project Title or Purpose of Travel and Host Institution	Date Awarded	Date Completed
Tatenda Calvin Chihombori (M)	Indonesia/ IPB	MS Biotechnology			
Marvin Felices Tobello (M)	Philippines/ VSU	MS Fisheries			
Jenny Rose Metran Granada (F)	Philippines/ VSU	MS Fisheries			
Completed (3)			Inclusive Dates		
Jeric Castro (M)	Taiwan/ NTU-BACT	MS Plant Pathology	2023 NTU Plus Academy Summer + Program on BACT, NTU, Taipei City, Taiwan	26 June – 25 July 2023	
Thippawan Korsrisakul (F)	Taiwan/ NTU-BACT	MS Plant Pathology			
Siwaporn Hamsart (F)	KU - Tokyo NODAI	MS Genetics	Travel Grant for Research to Tokyo NODAI	16 May - 15 September 2023	
UC Faculty Travel Grant (29)					
Continuing (3)					
Tan Ngai Paing (M)	KU - Tokyo NODAI	Soil Science	Travel Grant for Research to Tokyo University of Agriculture (Tokyo NODAI), Japan	9-18 September 2024	
Tan Toh Hii (M)	UPM-CLSU	Marine Biotechnology, Phycology	Visiting Lecturer Grant for Teaching Purposes to CLSU, Philippines	23 June – 7 July 2024	
Ana Quilicot (F)	Thailand / VSU-Chiang Mai University,	Poultry diseases, animal breeding and genetics, and animal welfare	International Society for Animal Hygiene (ISAH) and Southeast Asia One Health University Network (SEAOHUN) International Conference 2024 organized by Chiang Mai University, Thailand	16-20 September 2024	
Completed (26)					
Prakash Murgeppa Bhuyar (M)	Taiwan/ MJU-NTU	Agriculture Biotechnology	Travel Grant for Research to NTU, Taiwan	27 May – 5 June 2024	
Chia Lin Chung (F)	Thailand/ NTU-KU	Plant Pathology and Microbiology	Travel Grant for Research to KU, Thailand	28 May – 3 June 2024	
Budi Guntoro (M)	Philippines/ UGM-UPLB	Tropical Agriculture, Animal Science	2024 Southeast Asia Network of Animal Science (SEANAS) Meeting and serve as Keynote Speaker at the 12th International Conference on Animal Science Education hosted by the University of the Philippines Los Baños (UPLB), Philippines	25-26 June 2024	
Mohd Zulhairi Mohd Yusoff (M)	Indonesia/ UPM-UP	Environmental Biotechnology	Travel Grant for Research to Universitas Brawijaya (UB), Indonesia	3-7 June 2024	
Muhammad Saiful Ahmad Hamdani (M)	Malaysia/ UPM	Agronomy, Plant Biology, Turfgrass Science	28th Asian-Pacific Weed Science Society Conference (APWSS 2023), Phuket, Thailand	26-29 November 2023	
Jerry B. Sanguillosa (M)	Philippines/ VSU	Plant Breeding/ Molecular Biology and Biotechnology	30th Federation of Asian and Oceanian Biochemists and Molecular Biologists Conference and the 8th International Conference on Biochemistry and Molecular Biology (30th FAOBMB/8th BMB Conference), Bangkok, Thailand	22-25 November 2023	
Gella Patria L. Abella (F)	Philippines/ CLSU	Environmental Science	International Conference on Environmental Education in Southeast Asia (iCEESEA2023) Hanoi, Vietnam	25-27 October 2023	
Issaree Supnui (F)	Thailand/ KU	Agricultural and Environmental Education	8th Asia-Pacific Association of Educators in Agriculture and Environment (APEAEN) International Conference, SEAMEO SEARCA, Laguna, Philippines	18 – 21 October 2023	

Name	Country/ Host Institution	Specialization/ Degree Program	Thesis/Project Title or Purpose of Travel and Host Institution	Date Awarded	Date Completed
Dzarifah binti Mohamed Zulperi (F)	Malaysia/ UPM	Plant Pathology	International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Scientific Congress and General Meeting 2023, Muntinlupa, Philippines	7-11 November 2023	
Nathaniel Bantayan (M)	Philippines/ UPLB	Forestry (Forest Resource Management)	36th University Consortium (UC) Executive Board Meeting, hosted by NTU in Taipei, Taiwan	30-31 October 2023	
Budi Guntoro (M)	Indonesia/ UGM	Animal Science, Community Development, Tropical Agriculture	Training Workshop on Halal Executive and Management, Singapore	17 – 20 October 2023	
Mas Ud Effendi (M)	Indonesia/ UB	Agroindustrial Technology			
Nadila Puspa Arum Widjanarko (F)	Indonesia/ UGM	Agricultural Economics	8th Asia-Pacific Association of Educators in Agriculture and Environment (APEAEN) International Conference, SEAMEO SEARCA, Los Baños, Philippines	17-22 October 2023	
Murni Marlina Abd Karim (F)	Malaysia/ UPM	Environmental Sciences - Aquatic Pathology	International Summer Short-term Program 2023 organized by the Central Luzon State University (CLSU)	24 July - 1 August	
Dianne Joy D. Aguilon (F)	Philippines/ UPLB	Environmental Science	International Summer Course on Tropical Biodiversity and Sustainable Development" online on 17, 24, 26, 31 July 2023 and onsite, Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia	7-12 August 2023	
Celyrah B. Castillo (F)	Philippines/ CLSU	Hospitality and Tourism	Training Workshop on Halal Executive and Management in Singapore	18-19 October 2023	
Ginas Aurea A. Villagonzalo (F)	Philippines/ VSU	Animal Science			
Kannikar Hamprakorn (F)	Thailand/ MJU	Monogastric Nutrition; Meat Science; Meat Quality			
Rattaphong Pokkaew (M)	Thailand/ MJU	Food Regulation and Standards; International Food Standards			
Marie Faye R. Nguyen-Orca (F)	Philippines/ UPLB	Food Science (Food Safety/ Oral Processing)			
Noviyan Darmawan (M)	Indonesia/ IPB	Halal Authentication and Halal Substitute			
Reynaldo L. Intong (M)	Philippines/ CMU	Animal Science			
Sukanya Rattanatabtimtong (F)	Thailand/ KU	Animal physiology and production, Food safety and Feed safety			
Leong Sui Sien (F)	Malaysia/ UPM	Molecular Biology (Biotechnology)	Travel grant for research to UPLB	16-25 December 2023	
Ahmad Faizal Abdull Razis (M)	UPM- Tokyo NODAI	Food Safety Toxicology	Travel grant for research to Tokyo NODAI	3-13 July 2023	
Kornsorn Srikulnath (M)	KU-UGM	Animal Cytogenetics; Comparative Genomics; Wildlife Genomics	Visiting Lecturer Grant for Teaching Purposes	23 July 2023-5 August 2023	

Name	Country/ Host Institution	Specialization/ Degree Program	Thesis/Project Title or Purpose of Travel and Host Institution	Date Awarded	Date Completed
UC Seed Fund for Collaborative Research (17)					
New (5)				Date Awarded	
Garry A. Benico (M)	Philippines/ CLSU	Phycology, Harmful Algal	Isolation, Identification and Screening of Toxic Cyanobacteria in Pantabangan, Nueva Ecija in Central Luzon by Molecular Detection of <i>Microcystin synthetase</i> (mcy) E gene	15 May 2024	
Yudith Vega Paramitadevi (F)	Indonesia/ IPB	Antimicrobial resistance, Water Sanitation Hygiene, Air pollution	Study of Water Quality in West Java Rivers for <i>Salmonella</i> spp. resistant to Ciprofloxacin: Its Implications to the Communities		
Yus Aniza Yusof (F)	Malaysia/ UPM	Food Material Engineering, Particle Technology	Enhancing the Functional and Micromeritic Properties of Fish Gelatin by Cryo-Treatment in Comparison with Bovine and Porcine Gelatins		
Hazel Monica M. Peralta (F)	Philippines/ CLSU	Aquatic Biology	Population Modelling and Mapping of Natural Food Availability in Fish Spawning Grounds in a Tropical Riverine System	25 October 2023	
Nor Afizah Mustapha (F)	Malaysia/ UPM	Carbohydrate Modification Technology	Quality Improvement of Broken Rice via Hydrothermal Treatment to Reduce Oil Uptake in Rice-based Coating Batter System		
Ongoing (7)					
Mohd Mokrish Md Ajat (M)	UPM- Tokyo NODAI	Biochemistry	Exploring the Potential Use of Heterologous Platelet Rich Plasma Lysate Derived from Slaughterhouse Animals Loaded into Hydrogel for Wound Healing	10 October 2022	
Katherine DA. Bautista (F)	CLSU-MJU	Environmental Science; Renewable Energy	Corn Juice as Non-food Feedstock for Bioethanol Production		
Aduwati Sali (F)	UPM-IPB	Mobile and Satellite Communications	NAPD: Networked ASEAN Peatland Data	2 March 2022	
Shahrul Razid Sarbini (M)	UPM-UGM-UPLB	Food Biotechnology	Prebiotic Assessment of Midin (<i>Stenochlaena palustris</i>), An indigenous and mucilaginous edible fern	2 March 2022	
Maria Victoria O. Espaldon (F)	UPLB-UGM	Geography	Comparative Study of Climate Change Adaptation in the Philippines and Indonesia	24 March 2022	
Mami Irie (F)	NODAI-UPM	Environmental Science	Food Waste Analysis by Using Fourth Industrial Revolution Tools	16 September 2020	
Nor Nadiyah Abdul Karim Shah (F)	UPM-UB	Food Engineering	Oligosaccharide Extraction from Centralized Airline Kitchen Waste (Fruits and Vegetables) via Pulsed Electric Field Technology	25 April 2023	
Completed (5)					
Norhashila Hashim (F)	UPM-UB	Agricultural Process Engineering	Development and Application of Stingless Bee Honey as Bio-based Active Film Packaging for Food and Nutrition Security Strategy	1 November 2021	July 2023
Alifdalino Sulaiman (M)	UPM-KU	Chemical and Materials Engineering (Food Engineering)	Effect of Nanoemulsion Droplet Size on Foaming Structure and Foaming Properties of Dairy Milk	May 2022	June 2024
Latifah Abd Manaf (F)	UPM-UGM	Solid Waste, conservation of biology and ecology	The Application of Multi Criteria Decision Making in Selecting the Best Food Waste Management Method	1 June 2021	November 2023

Name	Country/ Host Institution	Specialization/ Degree Program	Thesis/Project Title or Purpose of Travel and Host Institution	Date Awarded	Date Completed
Muhammad Heikal bin Ismail (M)	UPM-UGM	Food and Agricultural Waste Conservation and Management	Investigating the Effect of Food and Agricultural Waste on the Quality of Biogas and Bio-fertilizer	1 January 2020	April 2024
Leonard Dharmawan (M)	IPB-UB	Community Development	The Challenges of Implementing Social Forestry Policies in Malang Regency, East Java Province, Indonesia	1 June 2023	June 2024
UC Support for Research or Publication					
Ongoing (7)					
Siti Aishah binti Baharuddin (F)	Malaysia/ UPM	PhD Food Engineering	Development of Hydrocolloid Based Nutraceutical using <i>Pluchea indica</i> (L.) Leaves Extract	25 October 2021	
Nor Atikah Husna Ahmad Nasir (F)	Malaysia/ UPM	PhD Halal Product Development	Development of Gummy Candy from <i>Caulerpa lentillifera</i> Supplemented with <i>Lactobacillus acidophilus</i>	24 February 2022	
Richelle Marie Legaspi (F)	Philippines/ UPLB	MS Environmental Science	Economic Valuation of Improved Water Yield for Irrigation through Catchment Management in Sta. Cruz River Watershed, Laguna, Philippines	28 June 2022	
Roanne R. Gardoce (F)	Philippines/ UPLB	PhD Plant Breeding	Breeding Fusarium Wilt-resistant Bananas Through Genomics	22 April 2022	
Nurul Ain Hamdan (F)	Malaysia/ UPM	PhD Sustainable Natural Resource Management	Protected Area Resilient to Climate Change in Gunung Mulu National Park, a Totally Protected Area (TPA) in Sarawak	8 October 2020	
Abdul Malik bin Abdul Razak (M)	Malaysia/ UPM	MS Microbial Biotechnology	Characterization of Carotenoids from <i>Pantoea ananatis</i> and Its Potential as Biological Control Agent Against <i>Burkholderia glumae</i>	11 June 2021	
Yolanda Angeles (F)	Philippines/ UPLB	PhD Plant Pathology	Molecular Surveillance and Identification of Begomoviruses Infecting Yard Long Bean [<i>Vigna unguiculata</i> subsp. <i>sesquipedalis</i> (L.) Verdc.] in the Philippines	25 April 2023	
Young Researcher Grant (3)					
New (3)					
Nimas Mayang Sabrina Sunyoto (F)	Indonesia/ UB	Biorefinery; Waste Management	The Utilization of Oil Palm Empty Fruit Bunches as A Slow and Controlled Release Nano Fertilizer	13 September 2023	
Noor Baity Saidi (F)	Malaysia/ UPM	Molecular Plant Pathology	The Potential of Black Soldier Fly (<i>Hermetia illucens</i>) Frass to Suppress Fusarium Wilt in Bananas Under Greenhouse Conditions		
Nik Norasma binti Che'Ya (F)	Malaysia/ UPM	Geoinformatics, Drone Technology, and WebGIS	Crop Monitoring Using UAV Technology		

Annex 9. SEAMEO SEARCA Learning and Knowledge Events, FY 2023/2024

Title	Venue and Date	No. of Participants	Country	Activity Partner/s	Main Speaker or Presenter
Regional (6)					
7th UC Summer School 2023 - Sustainability of Agricultural Systems in Difficult Environments	Chalermphrakiat Sakon Nakhon Province, Thailand 24 July - 4 August 2023	26 + 25 KU and EU participants	Indonesia Malaysia Philippines Thailand Taiwan Japan	UC and Kasetsart University	Dr. Buncha Chinnasri, Dr. Poonpipope Kasemsap, Dr. Ladawan Puangchit, Dr. Chongrak Wachrinrat, Kasetsart University; Dr. Glenn Gregorio, SEAMEO SEARCA; Dr. Alain Rival, Dr. Didier Pillot, CIRAD
3rd CLSU-SEARCA-UC International Summer Short-term Program (ISSP)	Nueva Ecija, Philippines 24 - 31 July 2023	31	Indonesia Malaysia Philippines Thailand Taiwan Japan	Central Luzon State University and UC	Dr. Evaristo Abella, OIC, Office of the President, Dr. Armando Espino Jr., Vice President for Research and Extension, Dr. Ravelina Velasco, Acting Vice President for Academic Affairs, CLSU; Dr. Glenn Gregorio, Director, SEAMEO SEARCA Ms. Blessie Saez, Senior Program Associate, SEAMEO SEARCA
2nd SEAMEO Knowledge Management (KM) Learning and Sharing Forum	Los Baños, Laguna, Philippines 22-23 August 2023	37	Brunei Darussalam Cambodia Indonesia Malaysia Thailand Philippines Vietnam	SEAMEO Secretariat	Dr. Maria Celeste Cadiz, Technical Coordinator; Ms. Pintip Iamnirath, SEAMES Deputy Director (Administration & Communication); Ms. Aiman Bazilah binti Haji Alihan, SEAMEO VOTTECH Public Relations Officer; Ms. Fezzy Othman SEAMEO SEN Program Officer (Media); Mr. Jelico Angelo Arriesgado, SEAMEO INNOTECH Senior Officer, KMNO-IMU; Ms. Zahrani Balqis SEAMEO SEAMOLEC Community, Partnership, Marketing, & Publication Officer; Mr. Jaymark Warren Dia, Head, Management Information Systems Unit, Ms. Lanie Reyes, Head, Applied Knowledge Resources Unit, Ms. Leah Lyn Domingo, Public Relations Specialist, Mr. Jerome Barradas, Project Coordinator II, AFNR Knowledge Platform, Ms. Lichelle Dara Carlos, Program Specialist, Emerging Innovation for Growth Department, SEAMEO SEARCA
Climate-smart Villages as Platforms for Community-level Anticipatory Climate Change Adaptation to Improve Food Security and Resiliency: A Roving Workshop	Online 19-20 September 2023 SEAMEO SEARCA and Cavite, Philippines 25-30 September 2023	22	Cambodia Indonesia Myanmar Philippines Thailand Germany	IIRR	Dr. Julian Gonsalves Senior Advisor, IIRR Dr. Danny Hunter Scientist, Alliance Bioversity CIAT Dr. Dindo Campilan Regional Director for Asia & Hub Director for Oceania, IUCN Dr. Alice Ilaga Director, CRAO Office, Department of Agriculture

Title	Venue and Date	No. of Participants	Country	Activity Partner/s	Main Speaker or Presenter
					Ms. Magnolia Mosimo, Operations Director, Philippine Program, IIRR Dr. Jessica Fanzo Professor of Climate / Director, Food for Humanity Initiative The University of Columbia, New York
Training Workshop on Halal Executive and Management	Kitchener Road, Singapore 18-19 October 2023	26	Brunei Darussalam Cambodia Indonesia Lao PDR Philippines Singapore Thailand Vietnam	Majlis Ugama Islam Singapura; Universiti Putra Malaysia	Dr. Roselina Karim Dr. Suhaimi Abdul Rahman Dr. Nor Ainy Mahyudin Dr. Joseph Arbiol Dr. Gerlie Tatlonghari
2024 Leadership Development Program for Higher Education Institutions in Southeast Asia (LDP-HEIs in SEA) - Sessions 1 and 2	Online 14 and 21 March 2024	33	Brunei Darussalam Cambodia Indonesia Malaysia Philippines Vietnam	The HEAD Foundation	Dr. N. Varaprasad Founder and Partner at Singapore Education Consulting Group Dr. Calvin Chan Assistant Provost, Curricular and Student Matters, Singapore University of Social Sciences (SUSS) Dr. Rebekah Lim Director of the Teaching and Learning Center, SUSS Dr. Ismi Arif Ismail Deputy Vice Chancellor of Academic and International, Universiti Putra Malaysia
National (24)					
Carbon Footprint Project Training on the Use of Questionnaire for Data Collection	Los Baños, Laguna, Philippines 17 July 2023	21	Philippines	UPLB CEAT ILCAL Team	Dr. Rex Demafelis Project Leader-Consultant, Engr. Bernadette Magadia Study Leader-Consultant, Engr. Eros Paul Estante, Project Researcher-Consultant
Validation Workshop	Los Baños, Laguna, Philippines 18 August 2023	21			
Final Training on SEAMEO SEARCA's Carbon Footprint Calculator	Los Baños, Laguna, Philippines 28 November 2023	32			
Training on School Edible Landscaping for Entrepreneurship (SEL4E)	Hybrid (online via SOLVE platform and onsite at UPLB and Pillila, Rizal) 7-11 Aug 2023	36	Philippines	Synergy group Operations, Inc. (SGOI), Pilipinas Shell Foundation, Inc. (PSFI), and DepEd–Rizal	Ms. Carmen Nyhria Rogel, Technical Coordinator; Dr. Leila Africa Professor & Director, UPLB-CHE; Ms. Glenda M. Aruejo Master Teacher II, DepEd Nagcarlan Sub-Office; Asst. Prof. Rei Chino Pua, UPLB-CEM Ms. Soledad Villanueva, Public Schools District Supervisor, DepEd Cavinti Sub-Office; Ms. Maria Charito E. Balladares, University Researcher, UPLB
Training Workshop on Halal Slaughtering and Certification	Kitchener Road, Singapore, 16-17 October 2023	43	Singapore	Majlis Ugama Islam Singapura, Universiti Putra Malaysia	Dr. Sukki bin Othman Dr. Awis Qurni Sazili Dr. Ubedullah Kaka Mr. Iszam Padil

Title	Venue and Date	No. of Participants	Country	Activity Partner/s	Main Speaker or Presenter
Training on Scientific Writing and Presentation for Higher Education Institutions in the Philippines (SciWriting4HEIs)	Los Baños, Laguna, Philippines 6-10 November 2023	26	Philippines	CHED, SUC-ACAP, UPLB-CDC	Asst. Prof. Avril Adrienne DG Madrid Assistant Professor, UPLB College of Development Communication (CDC); Dr. Ma. Stella C. Tirol Dean, UPLB-CDC; Dr. Benjamina G. Flor Professor, Department of Development Broadcasting and Telecommunication (DDBT); Dr. Kanthi Arum Widayati Managing Editor, HAYATI Journal of Biosciences, Institute Pertanian Bogor (IPB), Indonesia; Ms. Monalinda B. Cadiz Co-Managing Editor, Asian Journal of Agriculture and Development, SEAMEO SEARCA; Dr. Thaddeus P. Lawas Managing Editor, Journal of Environmental Science and Management, UPLB; Ms. Charlene Mae Arkaina University Extension Specialist I and Affiliate Instructor, DSC, UPLB-CDC; Dr. Serlie Jamias Professor 8, UPLB-CDC; Asst. Prof Reianne Quillo, UPLB-CDC
Cross-Visit to Higher Education Institutions in SEAMEO Member Countries (Singapore Leg)	Singapore 13-17 November 2023	23	Philippines	CHED, SUC-ACAP, THF	Dr. Wan Chang Da Chief Executive Officer, The HEAD Foundation
Training on LandScale Assessment for the project “Baseline and Endline Evaluation using LandScale Framework for the Strategic Alliance for Sustainable Coconut Production (STA Coco) in Southern Leyte”	Zoom 16 -17 November 2023	8	Philippines	GIZ, Rainforest Alliance	Laura Flowrensia Rainforest Alliance
Strategic Communication Planning Workshop: Enhancing Communication Skills for Higher Education Institutions in the Philippines (StratCom4HEIs)	Los Baños, Laguna, Philippines 20-24 November 2023	19	Philippines	CHED, SUC-ACAP, UPLB CDC	Dr. Ma. Stella Tirol Dr. Edmund Centeno, Asst. Prof. Aletheia Araneta, Dr. Mildred Moscoso, Mr. Elijah Jesse Pine, Asst. Prof. Rovil A. Espiritu, Dr. Elaine Llarena, Ms. Renz Frances Manrique, University Extension Associate, Asst. Prof. Trina Leah Mendoza, Dr. Rhodora Ramonette Custodio, Asst. Prof. Olga Lomboy, Dr. Benjamina Paula Flor, UPLB-CDC
2nd Training Cum Workshop on Carbon-Wise Rice-based Farming	Los Baños, Laguna, Philippines 21-22 November 2023	38	Philippines	Newfields, Macon Ltd.,	Dr. Eero Nissila Executive Director, Newfields Corp Mr. Mikko Ahokas CEO, Macon Ltd. Dr. Sanna Taskila Deputy Managing Director, Macon Ltd. Ms. Nikki Carumba Senior Software Engineer, Newfields Corp.

Title	Venue and Date	No. of Participants	Country	Activity Partner/s	Main Speaker or Presenter
Cross-Visit to Higher Education Institutions in SEAMEO Member Countries (Indonesia Leg)	Indonesia 27 November-1 December 2023	29	Philippines	CHED, SUC-ACAP, Institut Pertanian Bogor	Dr. Jomar F. Rabajante Dean, Graduate School, UPLB; Asst. Prof. Norvin P. Bansilan, Asst. Prof. Emerson Rico, and Ms. Leneth A. Sajulga, UPLB Institute of Mathematical Sciences and Applied Physics (IMSS)
Crash Course on Data Analytics for the Future for Higher Education Institutions in the Philippines (DAF-X4HEIs).	Los Baños, Laguna, Philippines 4-8 December 2023	38	Philippines	CHED, SUC-ACAP	Dr. Jomar F. Rabajante Dean, Graduate School, UPLB; Asst. Prof. Norvin P. Bansilan, Asst. Prof. Emerson Rico, and Ms. Leneth A. Sajulga, UPLB-IMSS
2nd Culminating Forum of LevelUP-HEI AFAR: Beyond Borders - Embracing Global Perspectives in Higher Education	Los Baños, Laguna, Philippines 12-15 December 2023	29	Philippines	Commission on Higher Education (CHED), SUC-ACAP	Dr. Jose Camacho Jr. Chancellor, UPLB; Dr. Paul Teng, Managing Director & Dean, National Institute of Education (NIE) Nanyang Technological University, Singapore; Atty. Lily Freida M. Milla, Director-in-Charge, CHED International Affairs Service
Upland Rice Seed/ Coconut Harvest Festival and Farmers' Day	Mulanay, Quezon Province, Philippines 13 December 2023	156	Philippines	Mulanay Coconut Farmers Association, Malvar Organic Farmers Agriculture Cooperative; International Rice Research Institute; Polytechnic University of the Philippines-Mulanay Campus; Local Government of Mulanay, Brgy. Anonang Farmers Group	Dr. Glenn Gregorio Dr. Reynaldo Lantin
Young Agripreneurs Building Opportunities Nurturing Growth (YABONG) Bootcamp Series	Zoom 30 January - 25 March 2024	41	Philippines	East-West Seed Company, Inc.	Mr. Roderick Bayaborda Seed Technology Manager, East West Seed Philippines Ms. Lichelle Dara Carlos Program Specialist, SEAMEO SEARCA Ms. Mary Joyce Villacorte Gaviola Program Manager, East West Seed Philippines Assoc. Prof. Joselito Florendo Deputy Director for Administration, SEAMEO SEARCA Mr. Enrique Rey Villaroman Go Negosyo Mentor Ms. Mary Ann Sayoc President, East West Seed Foundation Mr. Ronald Magos Ms. Maria Venus Bautista Mr. Ramil Panergayo Ms. Ruby Samonte, Mr. Arthur Cabacungan Ms. Penelope Bartolome Ms. Sandra Orense Ms. Leah Melita De Guzman Ms. Cherry Belagantol Ms. Girlie Frando

Title	Venue and Date	No. of Participants	Country	Activity Partner/s	Main Speaker or Presenter
GSID Conversation: New Year, New You: Coping Strategies to Improve Mental Health	Los Baños, Laguna, Philippines 9 January 2024	72	Philippines Malaysia	UPLB-GS	Prof. Firdaus Mukhtar, Universiti Putra Malaysia
Inception Report Presentation for the Project “Baseline and Endline Evaluation using LandScale Framework for the Strategic Alliance for Sustainable Coconut Production (STA Coco) in Southern Leyte”	MS Teams 28 November 2023	11	Philippines	GIZ	Dr. Ernesto Brown, Team Leader; Dr. Fezoil Decena, Study Leader; Dr. Merlyne Paunlagi, Study Leader; Mr. Malvin Biguerras, GIS Specialist
Southern Leyte Stakeholders Consultation under the GIZ-funded project “Baseline and Endline Evaluation using Landscale Framework for the Strategic Alliance for Sustainable Coconut Production in Southern Leyte”	Southern Leyte, Philippines 10 January 2024	70	Philippines	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)	Dr. Ernesto Brown, Dr. Merlyne Paunlagui, Dr. Fezoil Luz Decena, Dr. Paul John Ramirez, Malvin Biguerras
	Southern Leyte, Philippines 23 April 2024	45			
Biogas Production from Agricultural Wastes	Los Baños, Laguna and Muntinlupa City, Philippines 15-16 February 2024	18	Philippines	ESC Muntinlupa	Victor Luis, Jr. Consultant, SEAMEO SEARCA Ngo Thi Thanh Truc Deputy Head, Can Tho University Vincent Alon Head, Environmental Sanitation Center-Muntinlupa City David Herrera Senior Engineer, DOST-ITDI
Training on Sustainable Food Production for Schools and Communities in Rizal Province	Morong, Rizal, Philippines 24-26 January 2024	50	Philippines	DepED-Rizal	Mr. Antonio Flores II Mr. Justin Interno
AgriTech Field Day: Farmers’ Knowledge Exchange	Phnom Penh, Cambodia 29 February 2024	20	Cambodia	SEC Solar Energy, SpaceCrop Technologies, Impact Hub Phnom Penh (IHPP), and the Center of Excellence for Sustainable Agricultural Intensification and Nutrition (CE SAIN)	Dr. Leangsrin Chea CESAIN Dam Doh Chalatex SEC Solar
Young Agripreneurs Building Opportunities Nurturing Growth (YABONG) Bootcamp: Hands on Activity; Farm, Seedling Nursery, and Plant Tour	Bulacan, Philippines 15 March 2024	34	Philippines	East-West Seed Company, Inc.	Ma. Elena Primicias van Tooren Executive Director, East West Seed Philippines Roderick Bayaborda Seed Technology Manager, East West Seed Philippines Lichelle Dara Carlos Program Specialist, SEAMEO SEARCA
3rd Training Cum Workshop on Carbon-Wise Rice-based Farming	Los Baños, Laguna, Philippines 11-12 April 2024	19	Philippines	Newfields, Macon Ltd.,	Dr. Eero Nissila Executive Director, Newfields Corp Mr. Ariel Morado, Jr., Senior Software Engineer Newfields Corp Ms. Nikki Carumba Senior Software Engineer, Newfields Corp.
Workshop on Open-System Tractor in Cambodia	Takeo and Kampong Thom, Cambodia 7-9 May 2024	24	Cambodia	Royal University of the Philippines	Dr. Hin Lyhour, RUA-FABE

Title	Venue and Date	No. of Participants	Country	Activity Partner/s	Main Speaker or Presenter
Training of Trainer: Agri robotics Education for Young Learners	Nueva Ecija, Philippines 27-28 May 2024	18	Philippines	Central Luzon State University	Dr. Paolo Rommel Sanchez, Consultant for the Agrobotics Module Development Project
Cascading Workshop on Open System Tractor in Visayas Farming Community	Kabankalan, Negros Occidental, Philippines 25-26 June 2024	50	Philippines	Central Philippines State University, Sitio Flora Agrarian Reform Cooperative	Dr. Aladino Moraca, Dr. Maryvic Pedrosa, Mr. Ramon Uy

Annex 10. SEAMEO SEARCA Online Learning and Virtual Engagements (SOLVE) and Agriculture and Development Seminar Series (ADSS), FY 2023/2024

Date	Topic	Speaker/s	No. of Virtual Attendees
SOLVE (2)			
20 Mar 2024	46th SOLVE: Gender Inequalities: Advancing the Gender Agenda in Food Systems	Dr. Barbara Pamphilon Professor, Community Learning and Development, University of Canberra, Australia Dr. Glory Dee Romo Associate Professor, School of Management, University of the Philippines Mindanao	Total: 158 Facebook: 25 Zoom: 133 Countries: 15 Philippines, Indonesia, Cambodia, Myanmar, India, Australia, U.S., Thailand, Samoa, Papua New Guinea, Japan, Singapore, Afghanistan, Malaysia, Germany
3 May 2024	47th SOLVE: Challenges in Urban Agriculture: Approaches in Boosting Yields and Nutritional Value	Dr. He Jie Associate Professor of Natural Sciences and Science Education, National Institute of Education, Nanyang Technological University, Singapore Dr. Jabez Joshua M. Flores Senior Lecturer, University of the Philippines Open University and University of the Philippines Rural High School	Total: 189 Facebook: 40 Zoom: 149 Countries: 14 Philippines, Bangladesh, Canada, Cyprus, Haiti, Indonesia, Lao PDR, Malaysia, Myanmar, Pakistan, Sierra Leone, Thailand, Timor-Leste
ADSS (6)			
5 Jul 2023	Biofortification Breeding for Higher Provitamin A and Macular Carotenoids in Maize for Improved Global Nutrition and Health	Dr. Torbert Rocheford Patterson Endowed Chair in Translational Genomics for Crop Improvement, Purdue University, USA	Total: 51
14 Jul 2023	Exploring the Diversity of Infectious Bronchitis Viruses and its Impact on the Philippine Poultry Industry	Dr. Christina Lora M. Leyson Virologist, Balik Scientist	Total: 57
15 Aug 2023	Forum on Breeding Innovations for Increasing Productivity and Climate Resilience in Crops and Livestock	Dr. Huw Jones Professor, Translational Genomics for Plant Breeding, Aberystwyth University, United Kingdom Dr. Rhodora Aldemita Executive Director, ISAAA, Inc., Director, Global Knowledge Center on Biotechnology Dr. Claro Mingala Director, Philippine Agriculture and Fisheries Biotechnology Program	Total: 271
14 Sep 2023	The Relevance of Moral Philosophy to Agriculture	Dr. Robert Zimdahl SEAMEO SEARCA Visiting Research Fellow, Professor Emeritus, Colorado State University, USA	Total: 151

Date	Topic	Speaker/s	No. of Virtual Attendees
10 Oct 2023	Biofortification Breeding for Higher Provitamin Overview on the Pathobiology and Vaccines for Avian Influenza Viruses	Dr. Christina Lora Leyson Virologist, Balik Scientist	Total: 30
	African Swine Fever Vaccination: Where are We in the Philippines?	Dr. Homer Pantua Co-Founder and President, BioAssets Corporation	
28 Feb 2024	Proactive Strategies for a One Health Future: Lessons Learned and Moving Forward	Ms. Hannah Leah Morito Molecular Biologist, infectious Disease Expert, OneHealth Advocate	Total: 37

Annex 11. SEAMEO SEARCA Research and Project Services, FY 2023/2024

Title of Project	Duration	Location of Implementation	Partner/s
Research for Development (6)			
Bridging and Upgrading the Mechanisms and Pathways for the Uptake of Biotech (BUMP UP Biotech)	17 April 2023 - 31 October 2024	Oriental Mindoro and Agusan del Norte, Philippines	DA-BAR, DA-Biotechnology Program Office (BPO), PGLU of Oriental Mindoro and Agusan del Norte
School Edible Landscaping for Entrepreneurship (SEL4E) Project in Rizal Province	18 January 2023 - 30 December 2024	Pilla, Jala-jala, Tanay, Baras, Morong, Teresa in Rizal Province, Philippines	Synergy Group Operations, Inc. (SGOI); Department of Education-Division of Rizal
School-plus-Home Gardens cum Biodiversity Enhancement Enterprise in Busuanga Island, Palawan	1 July 2023 - 30 June 2025	Busuanga and Coron, Palawan, Philippines	Department of Education - Division of Palawan
Development of the Coconut Industry Growth Areas in Quezon Province	21 November 2022 to 30 June 2025	Quezon Province, Philippines	Provincial Government of Quezon; Philippine Coconut Authority
Sustainable Agricultural Mechanization in Gender-Sensitive Food Systems Transformation in Asia (SAMGeFS)	1 January – 31 December 2024	Cambodia, Bangladesh, Pakistan, Sri Lanka, Indonesia, Philippines, and Vietnam	Food and Agriculture Organization Regional Office for Asia and the Pacific (FAORAP)
Building an Evidence Base to Support the Operationalization and Scaling of Nature-based Climate Solutions in Small-scale Aquaculture for Sustainable Aquatic Food Systems in the Philippines and Cambodia (AQUADAPT Project)	1 May 2024 – 30 June 2026	Philippines and Cambodia	International Institute of Rural Reconstruction (IIRR)
Professional Technical Services (5)			
Rice Straw Biogas Hub	September 2022 - August 2025	Philippines	Innovate UK, Straw Innovations, Koolmill Systems, Ltd, Aston University
Benchmarking of the Agricultural Research for Development (R4D) Management System with Selected Asian Countries	1 April 2023 - 30 September 2024	Malaysia, South Korea, India, Thailand, Vietnam, Japan, Indonesia, Taiwan, Philippines	Bureau of Agricultural Research (BAR) of the Philippine Department of Agriculture
ADB TA-10009 PHI: Accelerating Climate Resilience in Agriculture, Natural Resources and the Environment - 01 TA Consulting Firm (55268-002)	24 August 2023 - 30 June 2024	Philippines	NIRAS Asia Manila Inc. and ICEM Asia Consulting Pte. Ltd
Formulating the Five-Year Roadmap for Agriculture Higher Education Program in the Philippines	September 2023 - September 2024	Philippines	Commission on Higher Education (CHED), Visayas State University (VSU)
CN83444137 / Baseline and Endline Evaluation using LandScale Framework for the Strategic Alliance for Sustainable Coconut Production (STA Coco) in Southern Leyte	6 November 2023 - 31 March 2025	Philippines	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
Innovation (1)			
Food is Life Exemplified for Planetary Health Diet (FLEXPHD) Mobile App Development Competition	November 2022 - December 2023	Philippines	National Academy of Science and Technology Philippines (NAST PHL) and Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)

Annex 12. SEAMEO SEARCA Grants, FY 2023/2024

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
Grants for Research and Agri-Innovation Solutions (GRAINS) (10)						
Mohd Roslan Sulaiman, Vice Chancellor	Universiti Putra Malaysia (UPM)	Malaysia	Electroencephalography (EEG) as an Innovative Integration Tool in Halal Slaughtering and Animal Welfare for Socio-Economic Development in Southeast Asia	1 August 2023		USD 15,000
Mohd Sadullah, Deputy Vice Chancellor (Research and Innovation)	International Institute of Aquaculture and Aquatic Sciences	Malaysia	Intelligent Fish-Feeder Based on Biomass Information Using an Integrated Computer-Vision YOLO-V8 Model and IoT System	2 October 2023		USD 14,559
Khun Kyaw Zayar Win, CEO/Founder	MyFarmers Lab Limited	Myanmar	Piloting and Scaling up of 1st Myanmar Crowd Farming platform, MyFarmer App	1 November 2023		USD 14,983
Mary Grace Mira Gasco, CEO	SpaceCrop Technologies	Philippines	Spatial Decision Support Tool for Predicting Soil Moisture in Agriculture Using Sentinel 2	1 October 2023		PHP 500,000
Nuttapon Nimmanphatcharin, President/CEO	Digital Economy Promotion Agency (DEPA)	Thailand	Application of Weather Big Data for Developing Smart Agriculture in Thamai City, Chantaburi Province, Thailand	1 October 2023		USD 15,000
Muhammad Iqbal Djawad, Associate Professor	Hasanuddin University	Indonesia	Development of Smart Aquaculture System Based on Artificial Intelligence in Black Tiger Shrimp (<i>Penaeus monodon</i>)	1 November 2023	23 February 2024	USD 8,180
Eko Komara, Executive Director	Penabulu Foundation	Indonesia	Strengthening the Supply Chain and Traceability for Okra Commodity Using Blockchain-based Tracking and Traceability Tools (DAKOTA) in Grobogan, Central Java	1 March 2023	1 September 2023	USD 14,999
Dr. Reynaldo M. Lantin, Chairman	Malvar Organic Farmers Agriculture Cooperative (MOFAC)	Philippines	Commercial Seed Production and Farming System Integration of Three Elite Traditional Rice Varieties	1 May 2022	30 November 2023	PHP 750,000
John Lester Mendoza, Co-founder and President	Farmbox Agri Trading	Philippines	Farm Box: Advancing Small Holder Farmers Through investment and Agri-Innovative Solutions	1 March 2023	1 February 2024	PHP 750,000
Carol Bernadette R. Domalsin	No Affiliation	Philippines	ARCHIE, Agri Robot for Crop Health in Insect Control	15 June 2022	30 March 2024	PHP 350,000
SEAMEO SEARCA Regional Professorial Chair (5)						
He Jie	Nanyang Technological University	Singapore	Greenhouse and Indoor Vegetable Production in the Tropics: Microclimate control to increase productivity and nutritional quality in a cost-effective manner	27 March 2024	April 2024	USD 5,000
Prof. Dr. Orlando Balderama	Isabela State University	Philippines	Enabling Farmers and Local Government Extension Services Address Climate Change Issues Using Integrated Crop Modeling Tools and Smart Climate Service	25 November 2023	April 2024	USD 5,000

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
Faizal Mustapha	Universiti Putra Malaysia	Malaysia	Development of Palm Oil Waste for Thermal Barrier Coating Material in Preventing Heat Losses and Reducing Carbon Footprints (CO ₂) in Oil Refinery Plants	26 January 2024	February 2024	USD 5,000
Suporn Thongyuan	Kasetsart University	Thailand	Application of Holistic Approach to Promote Health at Human-Animal-Environment Interface	30 June 2023	May 2024	USD 5,000
Nguyen Dac Khoa	Can Tho University	Vietnam	Prospects for Sustainable Plant Disease Management	21 July 2023	May 2024	USD 5,000
SEAMEO SEARCA Travel Grants Program (11)						
Sharmin Sultana	Universiti Putra Malaysia	Malaysia	Effect of Storage conditions on the Cooking and Sensory Properties of Rice (<i>Oryza sativa</i> L.)	10 July 2023	14-17 September 2023	USD1,200
Nguyen Thi Dieu Linh	Hue University	Vietnam	Determinants of Farmers' Adaptation Intention to Saltwater Intrusion in Central Coastal Region of Vietnam 10th International Conference on Agriculture (AGRICO 2023), Bali, Indonesia	10 July 2023	18-19 September 2023	USD 1,080
Nurin Arifah binti Mohamed Yusoff	Universiti Putra Malaysia	Malaysia	Quality Optimization of Co-composting Horse and Chicken Manures using Response Surface Methodology International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Scientific Congress and General Meeting 2023, Muntinlupa City, Philippines	3 October 2023	8-10 November 2023	USD 700
Lotis M. Balala	Visayas State University	Philippines	Persistence and Antimicrobial Resistance of Salmonella in Native Chickens: A sustainability challenge in the free-range production system 17th ASEAN Food Conference 2023, Sarawak, Malaysia	3 October 2023	24-27 October 2023	USD 1,200
Christian Jester M. Salayo	University of the Philippines Los Baños	Philippines	Gap Analysis of the Agricultural Water Insufficiency Policies in Pampanga River Basin, Philippines ISSAAS International Scientific Congress, Muntinlupa City, Philippines	3 October 2023	8-10 November 2023	USD 354

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
James Roin V. Manlavi	DepEd - Schools Division of Palawan	Philippines	A Methodological Approach for Standardizing Monitoring and Evaluation System of the Gulayan sa Paaralan and the School-plus-Home Gardens Program 2nd International Conference on School plus Home Garden cum Biodiversity Enhancement Enterprise (SHGBEE2), Negros Occidental, Philippines	8 November 2023	14-17 November 2023	USD 667
Joshua L. Donato	EIGP Foundation, Inc.	Philippines	Eco-cultural Tourism as a Conservation Tool: An Obu-Manuvu of Davao City Experience SHGBEE2, Negros Occidental, Philippines	8 November 2023	14-17 November 2023	USD 580
Marjorie M. Lubuguin	Layasin Elementary School, Cavinti, Laguna	Philippines	Project MML: Its Implication to Intensive GPP (Gulayan sa Paaralan) of Layasin Elementary School SHGBEE2, Negros Occidental, Philippines	8 November 2023	14-17 November 2023	USD 598
Jean Louise C. Damo	BIOTECH, University of the Philippines Los Baños	Philippines	Enhancement of Rhizobial Inoculant for Peanut through Co-inoculation with Phosphate-Solubilizing Bacteria 6th Asian-Pacific Conference on Plant-Microbe Symbiosis and Nitrogen Fixation, Chang Mai, Thailand	16 January 2024	7-9 January 2024	USD 1,041
Bates M. Bathan	University of the Philippines Los Baños	Philippines	Spatial Price Transmission in the Philippine Retail Rice Markets 31st International Academy of Global Business and Trade-Korea International Trade Research Institute Biannual Conference and Research Symposium, Sydney, Australia	16 January 2024	29 Jan 2024	USD 1,200
Nazmi bin Mat Nawi	University of the Philippines Los Baños	Malaysia	Leaf Spectral Analysis for the Identification and Distinction of Bacterial Heart Rot Disease Severity Levels in Pineapple 2024 AAAE International Agricultural Engineering Conference, Bangkok, Thailand	22 March 2024	22-24 May 2024	USD 1,200

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
SEAMEO SEARCA Research Dissemination of Scholars (15)						
Viengvilaiphone Botthoulath		Lao PDR	Improving the Quality of Lao Fermented Bamboo Shoot (Nor mai Som) Using Probiotic <i>Lactiplantibacillus plantarum</i> BBS13 as Starter Culture		9-11 August 2023	USD 1,200
			9th International Conference on Bioengineering and Biotechnology, London, UK			
Bates Bathan		Philippines	Spatial Price Transmission and Asymmetry in the Philippine Rice Markets		16-18 August 2023	USD 620
			30th International Academy of Global Business and Trade - Korea International Trade Research (KITRI), Institute Incheon National University			
Truong Hong Vo Tuan Kiet		Vietnam	Analysis of Cost - Benefit Efficiency of Num-Mango Marketing Channels in Vinh Long, Vietnam			USD 1,200
			World Congress on Food Science and Technology 2023, France		2-5 August 2023	
			31st International Leadership Workshop for Rural Youth with motto "Think globally - Get together and act locally," Herrsching, Germany		7-23 August 2023	
			Cost-Benefit Distribution of Num-Mango Value Chain in Vinh Long, Vietnam		25-27 August 2023	
			7th International Conference on Applied Economics and Business, Copenhagen, Denmark			
Jenette Centeno		Philippines	Mangrove Tree Propagules Classification via Deep Learning		14-16 July 2023	PHP 35,724.58
Arjay Alba		Philippines	International Conference on Digital Applications, Transformation, and Economy (ICDATE) 2023, Miri, Malaysia			PHP 35,724
Shanti Dwi Lestari		Indonesia	Practical Bioinformatics Skills for Plant and Animal Whole Genome Sequencing Data		1 September 2023	USD 411
			Kasetsart University, Khampaeng Saeng Campus, Nakhon Pathom Province, Thailand			

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
Nur Lailatul Rahmah		Indonesia	Kinetic Study of Total Phenolic Content from <i>Piper betle</i> Linn. Leaves Extract Using Subcritical Water Online International Conference (CAFEi 2023)		16-17 August 2023	USD 515
Nguyen Minh Quang		Vietnam	Why Adaptation Falters: Principles for Climate Change Adaptation Policy Assessment in Vietnam 6th Workshop "Initiative on Climate Adaptation Research and Understanding Through the Social Sciences" (ICARUS), Michigan University, Michigan, U.S.		29 September - October 1, 2023	USD 1,200
Satria Bhirawa Anoraga		Indonesia	Preliminary Study of Short-Time Thermal Pretreatment Effect on Proximate Composition of Cocoa Pod Husk Powder 7th International Conference on Green Agro-industry and Bioeconomy (ICGAB) 2023: Emerging Trends in Bioprocessing and Sustainable Agroindustrial Technology, Malang, Indonesia		24 October 2023	USD 480
Cipto Nugroho		Indonesia	Rice Blast Development and Its Effects on Yield Losses in Rice-Corn Intercropping in Sulawesi, Indonesia 6th International Rice Congress 2023, Manila, Philippines		16-19 October	USD 1,099
Asdi Agustar		Indonesia	ASEAN Future Environmental Challenges and Education Strategy to Overcome Them		18-21 October 2023	USD 617
Mai Ei Ngwe Zin (Best Paper Presenter)		Myanmar	Sustainable Agriculture Management Through Concept of Food, Water, and Energy Nexus 8th APEAN International Conference, SEAMEO SEARCA, Los Baños, Laguna, Philippines		18-21 October 2023	USD 513
Carla Kristine Silva		Philippines	Coffee Leaf Disease Classification and Severity Estimation Through Image Processing Techniques and Deep Learning Models 8th APEAN International Conference, SEAMEO SEARCA, Los Baños, Laguna, Philippines		18-21 October 2023	PHP 27,345

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
Siti Sarah Jumali		Malaysia	Development of Lateral Flow Assay for the Detection of Bacteria Panicle Blight in Paddy		16-19 October	USD 1,200
			6th International Rice Congress 2023, Manila, Philippines			
Dian Kusumaningrum		Indonesia	A Flexible Beta Four Parameter Generalized Mixed Effect Random Forest for Area Yield Crop Insurance Policy		4-6 April 2024	USD 800
			11th International Conference Mathematical and Statistical Methods for Actuarial Sciences and Finance (MAF2024), University of Le Havre Normandie, Le Havre Cedex, France			
Grants for Publication Fees of Scholar (4)						
Vina Eka Aristya		Indonesia	Revitalizing Sub-optimal Drylands: Exploring the role of biofertilizers	July 2023	9 August 2023 (date published)	USD 1,000
			https://doi.org/10.1515/opag-2022-0214			
Rambo Mao		Cambodia	Agronomic Characteristics of Maize Grown in Paddy Soil, Along with Root Zone Soil Chemical Properties and Soil Bacterial Numbers		5 September 2023 (date published)	USD 312
			<i>Trends in Sciences</i> 2023; 20(12): 6972 https://doi.org/10.48048/tis.2023.6972			
Erise Anggraini		Indonesia	Variants in the mitochondrial genome sequence of <i>Oryctes rhinoceros</i> (Coleoptera: Scarabaeidae) infected with <i>Oryctes rhinoceros</i> nudivirus in oil palm and coconut plantations		6 October 2023 (date published)	USD 1,000
			<i>Scientific Reports</i> (2023) 13:16850 https://doi.org/10.1038/s41598-023-43691-w			
Bhakti Etza Setiani		Indonesia	Investigation of the Physicochemical Properties and its Correlation during Koji-Moromi Fermentation Stage of Production Soy Sauce Naturally Brewed in Central Java, Indonesia		29 April 2024 (date published)	USD 1,000
			<i>International Journal on Advanced Science, Engineering & Information Technology</i> , 2024, Vol 14, Issue 2, p768ff			

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
Seed Fund for Research and Training (SFRT) (17)						
New (5)						
Roseliza Kadir Basha	Universiti Putra Malaysia	Malaysia	Smart Packaging Innovation Using Gelatin-based Film in Combination with Modified Atmosphere Packaging (MAP) for Maintaining Quality and Shelf Life Extension of Chili Padi (<i>Capsicum frutescens</i> L.)	8 May 2024		USD 15,000
Nor Elliza Tajidin	Universiti Putra Malaysia	Malaysia	Potential of Sabah's Wild Durian Rootstock to Overcome Waterlog Stress in Durian Plantations	8 May 2024		USD 15,000
Sonia Dora Febri Esa	Universitas Gadjah Mada	Indonesia	Enhancing Food Security and Women's Empowerment in Rural Sleman, Yogyakarta: Unveiling the interplay of Sugar's Sweetness and Snake Fruit Filling Aromatics in Sponge Cake	8 May 2024		USD 15,000
Viet The Ho	Ho Chi Minh City University of Industry and Trade	Vietnam	Assess the Impact of Excessive Groundwater Exploitation on Productivity, Crop Structure and Livelihoods of Farmers in Dong Nai Province, Vietnam	8 May 2024		USD 13,000
Mark Anthony Parducho	University of the Philippines Los Baños	Philippines	Utilization and Adoption of Pigmented Maize Through Participatory Varietal Selection	8 May 2024		PHP 839, 680
Ongoing (12)						
Aah Ahmad Almulqu	State Agricultural Polytechnic of Kupang	Indonesia	Participatory Assessment of Carbon Stock in Hutan Mamar (Traditional Agroforestry) of East Nusa Tenggara, Indonesia	22 June 2023		USD 15,000
Noor Zafira binti Noor Hasnan	Universiti Putra Malaysia	Malaysia	Towards a Resilient Fishery Food System: An exemplary analysis of food loss in fish processing and identification of improvement based on digitalization	22 June 2023		USD 15,000
Jaime A. Manalo IV	Philippine Rice Research Institute	Philippines	Understanding Adoption Trajectories of Select Rice Production Technologies	22 June 2023		USD 14,931 (peso equivalent)
Ramona Isabel S. Ramirez	Central Bicol State University of Agriculture	Philippines	Promoting Innovation and Entrepreneurship through Community-based Value-Added Cacao Products Enterprise	22 June 2023		USD 15,000 (peso equivalent)
Le Ngoc Hiep	University of Economics Ho Chi Minh City	Vietnam	The Impacts of Climate Change on Food and Nutrition Security among Ethnic Minority Children in Vietnam: Evidence for public health nutrition policy development	22 June 2023		USD15,000

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
Rodelio F. Subade	Division of Social Sciences, College of Arts and Sciences, University of the Philippines Visayas (UPV)	Philippines	Integrated Economic Valuation for Inclusive Conservation and Sustainability of Coastal Ecosystem Services: A Case for Taklong Island National Marine Reserve, Guimaras	04 February 2016		PHP 659,890
Nuva Nuva	Department of Resource and Environmental Economics, Faculty of Economics and Management – IPB University	Indonesia	Integrating Marine Aquaculture with Seaweed Farming in Supporting Community's Livelihood towards Blue Economy Implementation in Lombok, Indonesia	09 February 2016		USD 13,500
Huynh Viet Khai	Can Tho University	Vietnam	Climate Change Impact on Rice Production and Adaptation: A Case Study of Salinity Intrusion in Coastal Areas of the Mekong Delta, Vietnam	09 February 2016		USD 13,960
Tri Rini Nuringtyas	Research Center for Biotechnology, Universitas Gadjah Mada (UGM)	Indonesia	Development of Pigmented Rice for Rural Community	18 February 2016		USD 12,520
Ms. Seinn Seinn Mu	Ministry of Agriculture and Irrigation, Myanmar	Myanmar	Impact of Rural Out Migration on the Resilience of Agricultural System of Rice Farmers in Lower Ayeyarwady Delta, Myanmar	18 February 2015		USD 13,910
Reynold D. Tan	College of Management, University of the Philippines Visayas	Philippines	Quality Degradation of Milkfish (<i>Chanos chanos</i>) Along the Food Value Chain: An Assessment in Municipalities with High Incidence of Malnutrition in the Province of Iloilo	06 March 2015		USD 13,086
Mr. Dedisio Jose Lay Ximenes	Ministry of Agriculture and Fisheries Rua de Nicolau Lobato, Comoro Dili, Timor-Leste	Timor-Leste	Enhancing Food Production, Quality, and Safety Through Integrated, Sustainable, and Market-driven Farming Systems	18 February 2015		USD 12,884
IFS-SEARCA Collaborative Research Grants (10)						
Ongoing (10)						
Huu Tien Nguyen	Institute of Ecology and Biological Resources - Vietnam Academy of Science and Technology	Vietnam	Study on Damaging Potential and Diversity of Plant-parasitic Nematodes Associated with Vegetables in Vietnam and Develop Biological Control Strategies Using Endophytic Bacteria	5 October 2021		USD 14,295
Magdalena Lenny Situmorang	Institut Teknologi Bandung	Indonesia	Application of Closed Hybrid Zero Water Discharge–Recirculating Aquaculture System Technology Along with Symbiotic Functional Feed as Alternative to Antibiotics for Disease Biocontrol Strategy in Whiteleg Shrimp <i>Litopenaeus vannamei</i> culture	10 March 2022		USD 20,000

Name of Grantee / Institution's Representative	Institution / Position	Country	Title of Project / Research / Paper / Conference	Date of Award	Date Completed	Amount of Grant
Mildred Guirindola	Department of Science and Technology	Philippines	Food Environment and Socio-ecological Attributes as Drivers of Food Security Before and During Enhanced and General COVID-19 Quarantines in Cavite, Philippines	5 October 2021		USD 7,090
Oanh Nguyen Cong	Vietnam National University of Agriculture	Vietnam	Potential for Using Some Indigenous Medicinal Plants as Feed Additives Relating to Animal Health, Growth Performance and Meat Quality of Pigs in Northern Vietnam	5 October 2021		USD 20,000
Thi Lam Bui	Vietnam National University of Agriculture	Vietnam	Moving Toward a Healthier Diet: Consumer intention to eat more vegetables and less meat in Vietnam	5 October 2021		USD 12,796
Thien Nguyen	Duy Tan University	Vietnam	Experimental and Computational NMR in Detection, Structure Elucidation, and Kinetic Analysis of Lipid Oxidation Products in Fried Foods in Vietnam	17 December 2021		USD 17,982
Thanh Dien Le	Van Lang University	Vietnam	Isolation and Characterization of Bacteriophages for Biocontrol of Multidrug-resistant <i>Campylobacter jejuni</i> in Broilers	25 May 2022		USD 19,000
Nguyen Thi Tam Thu	Institute of New Technology	Vietnam	Production and Characterization of Polyhydroxyalkanoate (PHA) by Halophilic Microorganisms Isolated from Truong Sa Sea, Vietnam	06 June 2022		USD 15,000
Tran Nguyen Duy Khoa	Can Tho University	Vietnam	Application of Light-emitting Diodes (LEDs) in Larviculture of Mud Crab (<i>Scylla paramamosain</i>)	25 May 2022		USD 20,000
Quoc An Trieu	Nguyen Tat Thanh University	Vietnam	Recovery of Phosphate from Eutrophic Water Bodies by Nano-biocomposite Adsorbents: Application as smart fertilizers	25 May 2022		USD 18,595

Annex 13. List of Formal Agreements with Collaborating Institutions, FY 2023/2024

Institution/ Organization	Purpose of Agreement	Amount Involved		Duration	
		From Partner	From SEAMEO SEARCA	Start Date	End Date
Institution/ Organization	Purpose of Agreement	Amount Involved		Duration	
		From Partner	From SEAMEO SEARCA	Start Date	End Date
International/Regional Partners (15)					
International Institute for Rural Reconstruction (IIRR)	LOA: Joint implementation of the Climate-smart Villages as Platforms for Community-Level Anticipatory Climate Adaptation to Improve Food Security and Resiliency (CSVCA): A Roving Workshop	PHP 435,400	Staff time plus PHP 1,645,200	1 July 2023	30 June 2024

Institution/ Organization	Purpose of Agreement	Amount Involved		Duration	
		From Partner	From SEAMEO SEARCA	Start Date	End Date
NISAI Group Ltd.	MOU: Collaborate in a number of areas of common interest such as education, training, and research			July 2023	June 2028
International Service for the Acquisition of Agri-biotech Applications (ISAAA)	LOA: USDA Foreign Agricultural Service (FAS) Manila Biotech Outreach Series 2023	PHP 542,500	PHP 121,500	30 June 2023	30 August 2023
International Coconut Community	LOA: 1st International Scientific Conference on Coconut Research and Development (I-CONVERGED)			1 August 2023	1 February 2024
NIRAS Asia Manila Inc.	TA-10009 PHI: Accelerating Climate Resilience in Agriculture, Natural Resources, and the Environment – 01 TA Consulting Firm (55268-002)	USD 54,560		15 August 2023	15 May 2023
International Cultural Communication Center Malaysia (ICCCM)	MOU: Collaboration in the academic realm			August 2023	August 2028
Asian Institute of Technology	MOA: Training Programs for Philippine Higher Education Institutions at the Aquaculture and Aquatic Resources Management Program of AIT (AARM)			1 October 2023	31 December 2023
German Development Cooperation (GIZ)	Baseline and Endline Evaluation using LandScale Framework for the Strategic Alliance for Sustainable Coconut Production (STA Coco) in Southern Leyte	PHP 5,651,658		6 November 2023	31 March 2025
Newfields Consulting Ltd.	LOA: To jointly implement the 2nd Training Cum Workshop on Carbon Wise Rice-based Farming on 21-22 November 2023			21 November 2023	22 November 2023
Food and Agriculture Organization Regional Office for Asia and the Pacific (FAORAP)	LOA/RAP2023/31): Sustainable Agricultural Mechanization in Gender-Sensitive Food Systems Transformation in Asia (SAMGeFS)	USD 118,000	USD 11,116	1 January 2024	31 December 2024
The HEAD Foundation	LOA: 6th Leadership Development Program for Higher Education Institutions (LDP-HEIs) in Southeast Asia	USD 35,660	PHP 347,865 USD 21,688	29 January 2024	30 December 2024
International School of Sustainable Tourism (ISST)	LOA: 4th Lakbay Bukid Awards		PHP 50,000 prize plus travel and accommodation costs of youth awardee and 2 SEAMEO SEARCA staff	25 February 2024	29 February 2024
Asian Association of Agricultural Colleges and Universities, Inc. (AAACU)	MOA: SEARCA-AAACU Collaboration for Co-Publication and Website Administration			March 2024	March 2029
Alliance of Bioversity International and the International Center for Tropical Agriculture (CIAT)	Letter of Collaboration: Regional Consultation Workshop of the ASEAN-CGIAR Program's Intervention Package 3 (IP3) on Enhancing ASEAN Agrobiodiversity Use and Landscape	USD 6,454		8 March 2024	20 March 2024
International Institute of Rural Reconstruction (IIRR)	MOA: Building an evidence base to support the operationalization and scaling of nature-based climate solutions in small-scale aquaculture for sustainable aquatic food systems in the Philippines and Cambodia	USD 26,200		1 May 2024	30 June 2026

Institution/ Organization	Purpose of Agreement	Amount Involved		Duration	
		From Partner	From SEAMEO SEARCA	Start Date	End Date
National Partners (39)					
Tokyo University of Agriculture (Tokyo NODAI)	MOA: Tokyo NODAI-SEARCA Scholarship for Dissertation Doctorate Program	USD 10,490	USD 13,500	July 2023	1 June 2026
Tokyo University of Agriculture (Tokyo NODAI)	MOA: Tokyo NODAI-UC Scholarship for Dissertation Doctorate Program	USD 20,980	USD 27,000	July 2023	1 June 2026
Science Communicators Philippines Inc.	MOU: Collaborative activities on science communication	PHP 989,120	PHP 1,334,000	1 July 2023	30 June 2028
ISARA LYON	MOA: For SEAMEO SEARCA to provide practical skills training in innovation for two (2) interns from ISARA LYON			3 July 2023	22 September 2023
UPM Halal Products Research Institute (HPRI)	Partnership Letter: To jointly implement the UPM-SEARCA International Research Knowledge on Halal Industry Program on 3-16 September 2023 in Putrajaya, Malaysia			20 July 2023	16 September 2024
University of the Philippines and University of the Philippines Foundation, Inc.	MOA: 1st Science and Technology Impact Assessment Conference		PHP 950,000	7 August 2023	31 August 2023
East-West Seed Company Inc.	MOA: Capacity-Building Program on Vegetable Production and Entrepreneurship for the Youth / YABONG: Young Agripreneurs Building Opportunities, Nurturing Growth	PHP 390,000	PHP 390,000	1 August 2023	1 June 2024
Universiti Putra Malaysia (UPM)	MOA: Electroencephalography (EEG) as an Innovative Integration Tool in Halal Slaughtering and Animal Welfare for Socio-Economic Development in Southeast Asia			1 August 2023	31 March 2024
Department of Education (DepEd) – Division of Palawan	LOA: Implementation of School-plus-Home Gardens cum Biodiversity Enhancement Enterprise (SHGBEE) Project in Busuanga Island, Palawan	DepEd-Palawan: PHP 989,120	PHP 1,333,000	September 2023	30 June 2025
Visayas State University (VSU)	Formulating the Five-Year Roadmap for Agriculture Higher Education Program in the Philippines	PHP 142,112	PHP 1,857,596	1 September 2023	31 December 2023
Mapua University	MOU: Institutional Cooperation			15 September 2023	14 September 2028
Central Philippine State University	LOA: Collaboration for the Second International Conference on School-plus-Home Gardens cum Biodiversity Enhancement and Enterprise (SHGBEE2)	USD 1,380 PHP 1,410,875	USD 600 PHP 290,400	18 September 2023	30 April 2024
Majlis Ugama Islam Singapura and Universiti Putra Malaysia	Collaborative Back-to-Back Training Workshops on Halal Slaughtering and Certification and Halal Executive and Management	MUIS: USD 28.63; UPM: USD 1,200; UC: USD 14,770	PHP 200,400 USD 19,227	19 September 2023	31 March 2024
BioAssets Corporation	MOU: Collaborate in a number of areas of common interest such as education, training, and research			25 September 2023	24 September 2028
Central Luzon State University	MOA: Agri-robotics Education for Young Learners	PHP 590,000	PHP 2,163,500	October 2023	1 January 2025
National Taiwan University	MOA: Agreement renewing the Joint Scholarship Program for the Master in Global Agriculture Technology and Genomic Science			31 October 2023	30 September 2026

Institution/ Organization	Purpose of Agreement	Amount Involved		Duration	
		From Partner	From SEAMEO SEARCH	Start Date	End Date
Mary Grace Gasco	MOA: Spatial Decision Support Tool for Predicting Soil Moisture in Agriculture Using Sentinel 2		PHP 500,000	1 November 2023	31 October 2024
Myfarmer Labs Limited	MOA: Piloting and Scaling up of 1st Myanmar Crowd Farming platform, MyFarmer App		USD 14,983	1 November 2023	30 September 2024
Digital Economy Promotion Agency	MOA: Application of Weather Big Data for Developing Smart Agriculture in Thamai City, Chantaburi Province, Thailand		USD 15,000	1 November 2023	31 October 2024
Muhammad Iqbal Djawad	MOA: Development of Smart Aquaculture System Based on Artificial Intelligence in Black Tiger Shrimp (<i>Penaeus monodon</i>) Hatchery		USD 8,180	November 2023	29 February 2024
Universiti Putra Malaysia	MOA: Intelligent Fish-Feeder Based on Biomass Information Using an Integrated Computer-Vision YOLO-v8 Model and IoT System		USD 14,559	1 November 2023	31 October 2024
Bayer Crop Science, Inc.	LOA: SEARCA-Bayer Yellow Corn Forum 2024	PHP 398,300	PHP155,000	17 January 2024	23 May 2024
Asociacion de Centros de Formacion Profesional/ FP Empresa	MOU: Institutional Cooperation			24 January 2024	23 January 2029
Department of Trade and Industry XI Rural Agro-enterprise Partnership for Inclusive Development and Growth Project	MOA: Forum on Harnessing the Potential of Selected Philippine Fruit Crops through Value-Addition and Innovation	PHP 1,500,000	PHP 479,000	23 February 2024	30 September 2024
University of the Philippines Open University (UPOU)	MOA: Non-formal Course e-Learning for Champions to Scale Up School-plus Home Gardens in the Philippines and Southeast Asia (e-S+HG)	PHP 52,500	PHP 404,426	1 February 2024	30 January 2029
Project Zacchaeus Corporation and Local Government Unit of Liliw, Laguna	MOA: Digital Agriculture through Farmer Accelerator Platform Project			28 February 2024	31 December 2025
University of the Philippines Los Baños College of Agriculture and Food Science	LOA: Philippine Agriculture Education Leadership Summit			19 March 2024	April 2024
Philippine Association of Agriculturists, Inc. (PAA) Tamarind Chapter	LOA: International Conference on Agricultural Sciences & Technology (ICAST)			19 March 2024	April 2024
Dr. Emilio B. Espinosa Sr. Memorial State College of Agriculture And Technology	MOA: 1st International Research Opportunities, Development, and Extension Outcomes (IRODEO) Conference			25 April 2024	24 October 2024
IHPP (Cambodia) Co., Ltd.	MOA: Accelerating Agri-Businesses in Cambodia through Subsidized Technical Assistance		USD 20,000	1 May 2024	31 October 2024
Central Philippines State University and Sitio Flora Agrarian Reform Cooperative	MOA: Open-system Tractor Community Adoption and Skill-building Project			1 May 2024	31 December 2024
Nagoya University	MOA: Operation for Receipt and Disbursement of Nagoya University Funds for Asian Satellite Campuses Institute Activities in the Philippines			1 May 2024	30 April 2025
Crop Science Society of the Philippines	LOA: CSSP – SABRAO International Conference 2024			1 May 2024	16 September 2024

Institution/ Organization	Purpose of Agreement	Amount Involved		Duration	
		From Partner	From SEAMEO SEARCA	Start Date	End Date
Center of Excellence on Sustainable Agriculture Intensification and Nutrition (CE SAIN)	Participatory Action Research on Integrating the School-Plus-Home Garden cum Biodiversity Enhancement Enterprise for the Improvement of Agricultural Technology Parks (ATPs) and mini-ATPs in Cambodia	USD 88,828	USD 82,957	16 May 2024	30 September 2026
University of Asia and the Pacific	MOU: Institutional Cooperation			27 May 2024	26 May 2029
Southern Tagalog Agriculture, Aquatic, and Resources Research, Development and Extension Consortium	MOU: Institutional Cooperation			7 June 2024	6 June 2029
PT Dygdaya Nuswantara Prima/ Indonesia Prima	MOU: Institutional Cooperation			12 June 2024	11 June 2029
The Philippine Society of Parasitology	LOA: 5th PSP International Conference and 94th General Assembly		PHP 27,000	13 June 2024	5 July 2024
Rotary Club of Calamba and the Bahay ni Maria Home for the Abandoned Elderly and Children with Special Needs	MOA: "Design and Establishment of an Edible Garden for Bahay ni Maria Home for the Abandoned Elderly and Children with Special Needs"	PHP 100,000	PHP 100,000	26 June 2024	31 August 2024

Annex 14. Published SEAMEO SEARCA Press Releases, FY 2023/2024

Date	Published In	Title
2023		
1 July	The Manila Times (print & online)	Global journal features West PH Sea heritage
5 July	Journal Online	SEARCA journal spotlights West PH Sea heritage, other crucial SE Asian studies
6 July	The Manila Times (online)	Searca, Winrock partner on regional innovation network
6 July	The Manila Times (online)	UPLB app for healthy eating wins FLEXPHD
6 July	Journal Online	UPLB team's HEAL-PH app wins top prize at FLEXPHD app development competition
6 July	The Phuket News (online)	New agri innovation project expected to benefit 30,000 Thai farmers
7 July	The Post (online)	UP Open U renews ties with SEARCA
8 July	The Post (online)	UPLB Team's HEAL-PH Wins in FLEXPHD Competition
9 July	BusinessMirror (online)	HEAL-PH app from UPLB wins top prize at FLEXPHD app development competition
10 July	The Manila Times (print & online)	DA Region 2 benchmarks Searca M&E
13 July	The Manila Times (online)	Searca, UPOU renew institutional ties, co-organize pioneering tri-conference
13 July	The Manila Times (online)	PH, TW students explore Searca innovation, research initiatives
19 July	Journal Online	PAA gears up for 10th National Congress, 2023 PH Agriculturists' Summit
19 July	KabarTotabuan (online)	31 orang Filipina dilatih untuk menghasilkan telur tanpa kandang
20 July	The Manila Times (print & online)	31 Filipinos train on cage-free egg production
20 July	The Manila Times (online)	Searca offers basic English course for incoming scholars
22 July	The Manila Times (print & online)	PH Agriculturists' Summit set for July 25-27 in Davao City
27 July	The Manila Times (print & online)	Searca officials meet 3 ambassadors
28 July	Manila Standard (online)	ASEAN farm consortium to cut greenhouse gas emission
28 July	The Asset (online)	Searca to create SEA carbon farming consortium
30 July	The Manila Times (print & online)	CLSU, Searca team up for global program
3 August	The Manila Times (print & online)	Searca engages judiciary on biotech
3 August	The Manila Times (online)	One Health concept in Asean basic education gets Searca support
3 August	The Manila Times (online)	Searca paper calls for HEIs to strengthen link with industry needs
4 August	Journal Online	Deadline of entries to SEAMEO-Japan sustainability award set on Aug. 15

Date	Published In	Title
4 August	Manila Standard (online)	SEARCA ASEAN farm consortium to cut GHG emissions, raise farmers' income
5 August	The Manila Times (print & online)	17 Rizal villages undergo scoping process
6 August	The Manila Times (online)	Deadline for submission of entries to Seameo-Japan award set Aug. 15
6 August	Noon Break Balita (online)	Deadline of Entries to SEAMEO-Japan Sustainability Award Set on Aug. 15
10 August	The Manila Times (online)	Searca hosts hybrid testimonial ceremony for 34 graduates
10 August	The Manila Times (print & online)	Digital tool empowers okra farmers
12 August	The Manila Times (print & online)	Black soldier fly helps convert waste into fertilizer
17 August	The Manila Times (online)	UC Summer School empowers sustainable agricultural solutions in difficult environments
17 August	The Manila Times (print & online)	Searca, East-West Seed to train youth in farming
31 August	The Manila Times (print & online)	Searca, partners push agribiotech among youth
31 August	The Manila Times (online)	DepEd-Rizal conducts training on school edible landscaping
7 September	The Manila Times (print & online)	Mapua, Searca eye collaboration on agri research
7 September	The Manila Times (online)	Searca rallies importance of values at CvSU commencement exercises
8 September	Philippine Investigative Media Alliance, Inc. (PIMAI) (online)	Live: Southern Asia Regional Center for Graduate Study & Research in Agriculture (SEARCA) Media Briefing on the Status of Biotechnology in the Philippines
8 September	Happy Morning Show (online)	SEARCA, Philippine AG-BIOTECH Status are they open conversation to the media
8 September	Philippine News Agency (online)	Agri Forum
8 September	Ang Diaryong Tagalog (online)	<i>Kalagayan ng Agricultural Biotechnology sa Pilipinas ngayon</i>
9 September	Balitang Klik (online)	Medium Isn't Metaphor
10 September	BusinessMirror (print & online)	SciCommPh, Searca forge partnership to promote S&T research, innovations
12 September	Dawah Zakat Makabuluhang Jornalismo, Your Happiness Channel	The State of Biotechnology in the Philippines Today
12 September	Journal Online	6 PH universities join int'l summer school on sustainable agri solutions in adverse conditions
13 September	Happy Morning Show (online)	Application of Modern Biotechnology in Animals
14 September	Happy Morning Show (online)	Global status of Ag-Biotech (including biotech crops in the pipeline for the Philippines)
14 September	The Valley Journal (online)	Intl confab spotlights Searca's capacity-building programs on agrotourism
14 September	The Manila Times (online)	Intl confab spotlights Searca's capacity-building programs on agrotourism
18 September	The Manila Times (online)	Searca welcomes women agripreneurs for planting program partnership
19 September	Journal Online	SEARCA eyes planting program with women agripreneurs
21 September	Journal Online	SEARCA leads new project to bolster climate resilience in PH
21 September	The Manila Times (online)	ASU hosts international agri-ecotourism congress
23 September	Balitang Klik (online)	Savants to the Rescue
23 September	The Manila Times (print & online)	PH climate resilience in 3 areas enhanced
24 September	BusinessMirror (print & online)	Searca leads project to boost climate resilience in PHL
24 September	Balitang Klik (online)	Solving the Food Crisis
4 October	The Manila Times (print & online)	Searca's 17th photo contest focuses on climate change
4 October	Journal Online	SEARCA photo contest spotlights restoring agri environments for climate resilience
5 October	Thaiger PH (online)	Searca Announces 17th Annual Photo Contest on Climate-Smart Agriculture in Southeast Asia
5 October	The Manila Times (online)	Searca conducts training for coconut farmers
5 October	The Manila Times (print & online)	Searca pushes climate-smart agri
6 October	Opportunity Desk (online)	17th Photo Contest 2023 for Southeast Asia
22 October	BusinessMirror (print & online)	Searca holds photo contest on restoring agri-ecosystems for climate resilience
23-29 October	Laguna Courier (print)	Los Baños farmers learn health, finance strategies in SEARCA seminar
23 October	The Manila Times (online)	Searca scholar alumnus-now Cambodian govt official visits UPLB
24 October	Khmer Times (online)	Searca scholar alumnus-now Cambodian govt official visits UPLB

Date	Published In	Title
25 October	Thaiger PH (online)	Searca and Unilab Partner to Provide Health and Financial Literacy Seminars to Farmers in the Philippines
26 October	The Manila Times (print & online)	AgriG8 offers green financial solutions
26 October	The Manila Times (print & online)	Thai university explores Searca grants, scholarships, capacity-building programs
2 November	The Manila Times (online)	CarbonFarm eyes tie-up with Searca
2 November	The Manila Times (online)	CLSU hosts Searca training workshop on VEX robotics
2 November	The Manila Times (online)	Bangladesh Institute of Nuclear Agriculture meets Searca for briefing
4 November	The Manila Times (online)	What climate-smart villages teach
5 November	Piggybank (online)	SEARCA Photo Contest 2023: Capture Southeast Asia's essence, win up to \$1,000
5 November	BusinessMirror (print & online)	Searca's Director Gregorio is among world's Top 2% researchers
7 November	Journal Online (online)	SEARCA-DA-BAR study recommends exploring cashew fruit potential for improved returns
8 November	Palawan News (online)	Government finding ways to aid Palawan cashew farmers
8 November	Context PH (online)	Study urges government to explore cashew potential
8 November	Tuklasin Natin (online)	<i>Pagsanib puwersa ng SEARCA, DA, DOST at SAAS para sa ibang gamit ng kasoy, magsasaka makikinabang</i>
8 November	Ministry of Information (online)	Cambodia Hosts SEA Centre Governing Board Meeting
8 November	Agence Kampuchea Presse (online)	Cambodia Hosts SEA Centre Governing Board Meeting
8 November	The Khmer Today (online)	Cambodia Hosts SEA Centre Governing Board Meeting
9 November	The Manila Times (print & online)	Cashew fruit seen as profitable commodity
9 November	Malaya Business Insight (online)	Govt urged to explore full potential of cashew
9 November	The Post (online)	SEARCA-DA-BAR Study Recommends Exploring Cashew Fruit Potential
10 November	Daily Guardian (online)	SEARCA-DA-BAR study recommends exploring cashew fruit potential for improved returns
12 November	BusinessMirror (print & online)	Study endorses exploring cashew potential for improved returns
14 November	Daily Guardian (online)	NegOcc and US universities, SEARCA to hold int'l conference on school gardens
14 November	The Manila Times (print & online)	Searca sets conference on food security
15 November	The Manila Times (online)	Searca, Taiwan university renew joint scholarship for agritech, genomic science
18 November	The Manila Times (online)	Bulacan conducts summit to boost farmers' capabilities
20 November	Visayan Daily Star (online)	SEARCA photo contest deadline set
20 November	The Manila Times (online)	CLSU boosts robotics capacity through Searca collaboration
20 November	The Manila Times (online)	UC grants CLSU with regular membership
21 November	Khmer Times (online)	SEARCA hosts 'climate regeneration' photo contest
23 November	The Manila Times (print & online)	Searca orients regional institutions
23 November	Youth Opportunities (online)	SEARCA Photo Contest 2023
25 November	The Manila Times (online)	Searca trains youth in agricultural skills
26 November	BusinessMirror (print & online)	Searca photo tilt deadline on Nov. 30
27 November	The Manila Times (online)	Searca photo contest deadline on Nov 30
27 November	The Manila Times (online)	ACTS Center homeschoolers explore agri-robotics in Los Baños
30 November	The Manila Times (print & online)	Universities as engines for agri transformation
7 December	The Manila Times (online)	TH university exec assumes Searca board chairmanship
7 December	The Manila Times (online)	Indian university seeks agri education, research with Searca
7 December	The Manila Times (print & online)	Searca hosts carbon farming workshop
14 December	The Manila Times (online)	UPLB, Searca levels up strategic communication efforts of HEIs
14 December	The Manila Times (print & online)	CMU faculty members attend agro-silvopasture training in Indonesia
17 December	BusinessMirror (print & online)	International STEM students explore role of robotics in agriculture
18 December	The Manila Times (print & online)	STEM intl students explore robotics role in agriculture at Searca
21 December	The Manila Times (online)	Searca photo contest submission extended to December 30
23 December	The Manila Times (print & online)	Biogas for zero-waste agriculture

Date	Published In	Title
24 December	The Manila Times (online)	Searca leads in workshop on carbon farming
28 December	The Manila Times (online)	17 HEIs undergo data analytics training
28 December	The Manila Times (print & online)	Liliw farmers benefit from digitalization
2024		
4 January	The Manila Times (print & online)	Agri sector in Southeast Asia faces challenges
6 January	Daily Guardian (online)	Southeast Asia's agri sector grapples with pressing challenges
6 January	Noon Break Balita (online)	Challenges and Opportunities in Southeast Asia's Agriculture Sector
11 January	The Manila Times (print & online)	Indonesia Prima, Searca eye projects
12 January	Tuklasin Natin (online)	SEARCA digital agri project reshapes farming in Liliw
12 January	Dawah Zakat Makabuluhang Jornalismo (online) (online)	Southeast Asia agriculture sector risks and challenges
13 January	Noon Break Balita (online)	SEARCA Digital Agri Project Reshapes Farming in Liliw
15 January	Philippine Daily Inquirer (online)	Veggie growers bloom in the digital market
17 January	Philippine Information Agency (online)	Digitalization aids Laguna town farmers in boosting agri sector
17 January	BNN (online)	Searca Unveils Recipients of Agricultural Innovation Grants
18 January	The Post (online)	UPLB Joins Erasmus+ Micro-credentials Project, Secures €750k Grant
18 January	The Manila Times (print & online)	Searca grants boost innovative ventures in 5 Asean countries
21 January	BusinessMirror (print & online)	Studies: SEA's agriculture sector grapples with challenges
22 January	The Manila Times (online)	52 Filipino HEI educators join cross-visits to SG, ID institutions
22 January	MSN (online)	52 Filipino HEI educators join cross-visits to SG, ID institutions
25 January	The Manila Times (online)	UPLB, Searca host mental health workshop
28 January	Manila Standard (online)	Bohol to host 7th farm tourism conference
29 January	BusinessMirror (print & online)	Bohol to host 7th farm tourism conference
1 February	The Manila Times (print & online)	SEARCA, FPEmpresa partner for voc-ed
1 February	Journal Online (online)	SEARCA, FPEmpresa partner for vocational education in Southeast Asia
2 February	Asia Education Review Team (online)	SEARCA and FPEmpresa collaborate for vocational education in Southeast Asia
4 February	Manila Standard (print & online)	Bohol to host 7th farm tourism conference
4 February	Noon Break Balita (online)	SEARCA and FPEmpresa forge partnership to enhance vocational education in Southeast Asia
5 February	The Freeman (print & online)	Farm tourism confab makes comeback on February 26-28
11 February	The Manila Times (print & online)	SEARCA concludes landmark development project for Philippine HEIs
12 February	The Manila Times (online)	SEARCA empowers scholars with training in research methodology, data analysis
12 February	The Manila Times (online)	PH, TW fellows delve into SEARCA research, innovation initiatives
12 February	The Manila Times (online)	DepEd, SEARCA empower Rizal province with sustainable food production training
15 February	The Manila Times (print & online)	SEARCA agri youth talk show returns
21 February	Noon Break Balita (online)	OMG Farm Visit and SEARCA Agri-Innovation Hub & Media Consultation Meeting
23 February	Journal Online	DepEd cites SEARCA for support to deliver quality basic education
23 February	Daily Guardian (online)	DepEd cites SEARCA for support to deliver quality basic education
26 February	Metro News Central (online)	SEARCA, UPLB, and Straw Innovations Conduct Biogas Training in Muntinlupa
29 February	The Manila Times (online)	Biotech corn marks 20 years in PH
29 February	The Manila Times (print & online)	Sensient visits SEARCA for partnership
2 February	The Manila Times (print & online)	TBI seeks SEARCA help on agriculture
2 March	The Manila Times (print & online)	Searca, international universities address food security, climate change
6 March	BNN (online)	DepEd Honors SEARCA for Pioneering School-Plus-Home Gardens Program, Enhancing Education
6 March	BNN (online)	Philippines Unveils Enhanced Oggun Tractor: A Leap in Local Agriculture Technology
7 March	The Manila Times (print & online)	Local Oggun tractor unveiled
7 March	The Manila Times (print & online)	SEARCA cited for quality basic education support

Date	Published In	Title
7 March	The Freeman (print)	7th Farm Tourism confab honors industry advocates
8 March	The Manila Times (print & online)	17th SEARCA photo contest winners named
11 March	Daily Tribune (print)	Converting rice straw into clean fuel
13 March	GMA News Online	How farming helped this female former OFW bounce back after the pandemic and provide for her children
14 March	The Manila Times (print & online)	SEARCA calls for inclusive farm tourism
15 March	Manila Bulletin (online)	Farm Tourism Makes a Grand Comeback
17 March	BusinessMirror (print)	The resurgence of farm tourism
18 March	Manila Standard (print)	Farm tourism is bouncing back
30 March	The Manila Times (print & online)	Laguna University eyes partnership with SEARCA on bamboo program
4 April	The Manila Times (print & online)	Gen Zs flock Searca talk show on insects in agriculture
4 April	MSN (online)	Gen Zs flock Searca talk show on insects in agriculture
4 April	The Manila Times (print & online)	Farmers urged to be innovative entrepreneurs
4 April	MSN (online)	Farmers urged to be innovative entrepreneurs
11 April	The Manila Times (online)	23 HEIs join 6th Searca-THF leadership devt program
22 April	The Manila Times (online)	Searca, DepEd partner in 'school and home gardens' evaluation in Laguna
22 April	MSN (online)	Searca, DepEd partner in 'school and home gardens' evaluation in Laguna
25 April	The Manila Times (online)	Searca, RSAA host event for scholars, alumni
26 April	Journal Online	SEA academics, scholars take stock of agriculture's future
26 April	Tuklasin Natin (online)	SEA academics, scholars take stock of agriculture's future
29 April	The Manila Times (online)	Searca, PPSA recognize women's efforts, achievements in agriculture
30 April	Journal Online	SEARCA, DEBESMSCAT host inaugural IRODEO confab
2 May	The Manila Times (online)	Malaysian education center visits SEARCA for partnership
2 May	The Manila Times (print & online)	SEARCA, Newfields offer training on carbon farming
2 May	MSN (online)	SEARCA, Newfields offer training on carbon farming
6 May	The Manila Times (online)	SEARCA puts premium on academe, government interconnectivity
8 May	Journal Online	Agripreneur bootcamp ignites business innovation
8 May	Balikas News Network (online)	Agripreneur bootcamp ignites business innovation
9 May	Daily Guardian (online)	Agripreneur bootcamp boosts business innovation
9 May	The Manila Times (print & online)	Rice wastes eyed for bioenergy
11 May	Manila Standard (print & online)	Young Luzon farmers complete Yabong Bootcamp
11 May	Head Topics (online)	Young Luzon farmers complete Yabong Bootcamp
13 May	The Manila Times (online)	Young agripreneur bootcamp ignites business innovation
13 May	MSN (online)	Young agripreneur bootcamp ignites business innovation
13 May	Head Topics (online)	Young agripreneur bootcamp ignites business innovation
15 May	Philippine Daily Inquirer (online)	Storytelling as real communication
16 May	The Manila Times (print & online)	Letran students oriented on farming
16 May	Head Topics (online)	Letran students oriented on farming
16 May	The Manila Times (online)	SEARCA hosts EU-funded project workshop on university policies
23 May	The Manila Times (print & online)	5 win SEARCA's Yabong Bootcamp
23 May	Head Topics (online)	5 win SEARCA's Yabong Bootcamp
23 May	The Manila Times (online)	CLSU prof receives SEARCA full grant for leadership program
23 May	MSN (online)	CLSU prof receives SEARCA full grant for leadership program
23 May	Head Topics (online)	CLSU prof receives SEARCA full grant for leadership program
26 May	BusinessMirror (online)	Forum marks 20th year of 'Bt' corn in PHL
27 May	The Manila Times (online)	SEARCA's 'Sowing Seeds' promotes agri careers among MY students
5 June	The Manila Times (online)	CA university seeks tieup with SEARCA on scholarship, capacity building
9 June	BusinessMirror (print & online)	Rice straw to biogas: Transforming residues to revenues—and clean environs

Date	Published In	Title
13 June	The Manila Times (print & online)	UA&P, SEARCA forge ties on agribusiness initiatives
17 June	The Manila Times (online)	US prof discusses collaboration prospects with SEARCA
20 June	Journal Online	SEARCA in talks for PH-Thailand diplomatic ties' diamond jubilee
20 June	Daily Guardian (online)	SEARCA in talks for PH-Thailand diplomatic ties' diamond jubilee
20 June	The Manila Times (print & online)	SEARCA conducts M&E for school edible landscaping in Rizal
23 June	BusinessMirror (print)	Searca, Michigan SU in talks on research, innovation, among others
24 June	The Manila Times (online)	SEARCA in talks for PH-Thailand diplomatic ties' diamond jubilee
24 June	Head Topics (online)	SEARCA in talks for PH-Thailand diplomatic ties' diamond jubilee
May-Jun 2024	Agriculture Monthly (print)	SEARCA honors Southeast Asia's Academic Titans

Annex 15. SEAMEO SEARCA Publications, FY 2023/2024

Publication	Link
Books/Monographs (4)	
Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), and International Food Policy Research Institute. 2023. <i>The ATMI-ASEAN Roadmapping Guidebook: Developing National Strategies for Agricultural Value Chains</i> . Los Baños, Laguna, Philippines: SEARCA https://www.searca.org/pubs/books?pid=570	https://www.searca.org/pubs/books?pid=570
Lasco, R.D., R.F. Paelmo, A.V. Gabriel, R.J.P. Delfino, C. Duque-Piñon, and R.A. Comiat. 2024. <i>Climate Change Adaptation through Agroforestry in the Philippines</i> . Laguna and Quezon City, Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) and Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management Foundation, Inc. (OLM Center).	https://www.searca.org/pubs/monographs?pid=575
Salas, F.M. 2024. <i>Innovative Nutrient Formulations for Improved Yield and Chemical Characteristics of Horticultural Crops in Aggregate Hydroponics</i> . SEARCA Professorial Chair Lecture Monograph No. 9. Los Baños, Laguna, Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA).	https://www.searca.org/pubs/monographs?pid=581
Nawi, Nazmi Mat. 2024. <i>Mechanization of Tillage and Harvesting Operations for Paddy Production in Malaysia: Challenges and Potentials</i> . SEARCA Professorial Chair Lecture Monograph No. 10. Los Baños, Laguna, Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA).	https://www.searca.org/pubs/monographs?pid=584
Journals (8)	
<i>Asian Journal of Agriculture and Development</i> Vol. 20. No. 2 (December 2023 issue)	https://doi.org/10.37801/ajad2023.20.2
<i>Asian Journal of Agriculture and Development</i> Vol. 21 No. 1 (June 2024 issue)	https://doi.org/10.37801/ajad2024.21.1
<i>SABRAO Journal of Breeding and Genetics</i> Vol. 55 No. 4 August 2023	https://www.searca.org/pubs/refereed-journal?pid=574
<i>SABRAO Journal of Breeding and Genetics</i> Vol. 55 No. 5 October 2023	https://www.searca.org/pubs/refereed-journal?pid=576
<i>SABRAO Journal of Breeding and Genetics</i> Vol. 55 No. 6 December 2023	https://www.searca.org/pubs/refereed-journal?pid=586
<i>SABRAO Journal of Breeding and Genetics</i> Vol. 56 No. 1 February 2024	https://www.searca.org/pubs/refereed-journal?pid=587
<i>SABRAO Journal of Breeding and Genetics</i> Vol. 56 No. 2 April 2024	https://www.searca.org/pubs/refereed-journal?pid=590
<i>SABRAO Journal of Breeding and Genetics</i> Vol. 56 No. 3 June 2024	https://www.searca.org/pubs/refereed-journal?pid=592
Journal Articles (14)	
Timmer, C. Peter. 2023. "Back in the Soup: Now What?" <i>Asian Journal of Agriculture and Development</i> Preprint, September 2023. https://doi.org/10.37801/ajad2023.20.2.p1	https://doi.org/10.37801/ajad2023.20.2.p1
Montesclaros, Jose Ma Luis, and Paul S. Teng. 2023. "Digital Technology Adoption and Potential in Southeast Asian Agriculture." <i>Asian Journal of Agriculture and Development</i> 20(2): 7-30. https://doi.org/10.37801/ajad2023.20.2.2	https://doi.org/10.37801/ajad2023.20.2.2

Publication	Link
Mercado, Kringle Marie P., and Henny Osbahr. 2023. "Feeding the Future: Knowledge and Perceptions of the Filipino Youth Toward Agriculture." <i>Asian Journal of Agriculture and Development</i> 20(2): 31-50. https://doi.org/10.37801/ajad2023.20.2.3	https://doi.org/10.37801/ajad2023.20.2.3
Chattopadhyay, Apurba Kumar, and Raj Kumar Kundu. 2023. "Transition from Agriculture to Non-Agriculture Occupations in West Bengal, India: Causes and Way Forward." <i>Asian Journal of Agriculture and Development</i> 20(2): 51-68. https://doi.org/10.37801/ajad2023.20.2.4	https://doi.org/10.37801/ajad2023.20.2.4
Lone, Fayaz Ahmad, M. Imran Ganaie, Showkat A. Ganaie, Javeed Ahmad Rather, and M. Shafi Bhat. 2023. "Economic and Profitability Analysis of Walnut Production in Kashmir Valley, India." <i>Asian Journal of Agriculture and Development</i> 20(2): 69-82. https://doi.org/10.37801/ajad2023.20.2.p3	https://doi.org/10.37801/ajad2023.20.2.p3
Calura, Jordan G., Rodrigo B. Badayos, Jessica D. Villanueva-Peyraube, and Jocelyn D. Labios. 2023. "A Soil Analysis Approach to Assessing Potential Loss of Productive Lands Under Agricultural Land Conversion." <i>Asian Journal of Agriculture and Development</i> 20(2): 83-102. https://doi.org/10.37801/ajad2023.20.2.6	https://doi.org/10.37801/ajad2023.20.2.6
Zimdahl, Robert L. 2023. "Commentary: Institutionalizing Agricultural Ethics." <i>Asian Journal of Agriculture and Development</i> 20(2): 103-108. https://doi.org/10.37801/ajad2023.20.2.p2	https://doi.org/10.37801/ajad2023.20.2.p2
Pham, Huong Lan, Huong Thu Nguyen, Ha Thanh Nguyen, and Hung Vu Nguyen. 2024. "Drivers of Successful Adoption of Eco-innovation: Case Studies of Agricultural Cooperatives in Vietnam." <i>Asian Journal of Agriculture and Development</i> 21(1): 1-20. https://doi.org/10.37801/ajad2024.21.1.1	https://doi.org/10.37801/ajad2024.21.1.1
Seleky, Rosalia Natalia, Wataru Ozawa, and Aoife Chen. 2024. "Motivation toward Rice Farming in Margokaton Village, Sleman District, Yogyakarta Province, Indonesia." <i>Asian Journal of Agriculture and Development</i> 21(1): 21-38. https://doi.org/10.37801/ajad2024.21.1.2	https://doi.org/10.37801/ajad2024.21.1.2
Cruz, Mar B., Clarizel Joy Jamille R. Gomez, and Janelle Ayne C. Sarmiento. 2024. "Analysis of the Strawberry Value Chain in the Philippines." <i>Asian Journal of Agriculture and Development</i> 21(1): 39-55. https://doi.org/10.37801/ajad2024.21.1.3	https://doi.org/10.37801/ajad2024.21.1.3
Royan, M, Christophe Lesueur, Isriya Bunyasiri, and Pasakorn Thammachote. 2024. "Farming Systems and GAP Adoption in JASS Coffee in Tlahab, Temanggung Regency, Indonesia." <i>Asian Journal of Agriculture and Development</i> 21(1): 57-70. https://doi.org/10.37801/ajad2024.21.1.4	https://doi.org/10.37801/ajad2024.21.1.4
Guirindola, Mildred O., Marisa J. Sobremisana, Enrique P. Pacardo, Corazon V. Barba, Ma. Esmeralda C. Silva, and Ruel Guirindola. 2024. "Household Food Insecurity and COVID-19 Social Safety Nets in Cavite, Philippines." <i>Asian Journal of Agriculture and Development</i> 21(1): 71-91. https://doi.org/10.37801/ajad2024.21.1.5	https://doi.org/10.37801/ajad2024.21.1.5
Mayang Mangurai, Silvia Uthari Nuzaverra, Eti Artiningsih Octaviani, Anidah, et al. 2024. "Digitalization in Indonesia's Agrifood Sector in the Wake of the COVID-19 Pandemic." <i>Asian Journal of Agriculture and Development</i> 21(1): 93-120. https://doi.org/10.37801/ajad2024.21.1.6	https://doi.org/10.37801/ajad2024.21.1.6
Priyarsono, Dominicus S. 2024. "Book Review Becoming a Young Farmer—Young People's Pathways into Farming: Canada, China, India and Indonesia." <i>Asian Journal of Agriculture and Development</i> 21(1): 120-124. https://doi.org/10.37801/ajad2024.21.1.b1	https://doi.org/10.37801/ajad2024.21.1.b1
Conference/Forum/Workshop Proceedings (4)	
Catelo, Salvador P., Emil Q. Javier, and Santiago R. Obien, eds. 2023. <i>Proceedings of the ARF Annual Rice Science and Policy Forum 2021: Boosting Rice Yields and Farmers' Income Through Soil Health Rejuvenation</i> . SEARCA Knowledge Exchange series. Proceedings of the forum held on 30 November 2021, livestreamed via Zoom from the SEARCA Headquarters, Los Baños, Laguna, Philippines. Los Baños, Philippines: The Asia Rice Foundation (ARF) and Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA).	https://www.searca.org/pubs/proceeding-workshop-reports?pid=577
Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA). 2024. <i>Regional Training-Workshop on Halal Slaughtering and Certification: Narrative Report</i> . SEARCA Knowledge Exchange series. Proceedings of the training-workshop held on 23–25 August 2022 at the Everly Hotel, Putrajaya, Malaysia. Los Baños, Laguna, Philippines: SEARCA.	https://www.searca.org/pubs/proceeding-workshop-reports?pid=582

Publication	Link
Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) and Bangko Sentral ng Pilipinas (BSP). 2024. <i>Proceedings of the Roundtable Discussion on Promoting Carbon Farming in Agriculture in Southeast Asia through Regional Cooperation</i> . SEARCA Knowledge Exchange series. Proceedings of Day 2 of the Roundtable Discussion Series on Sustainable Food and Agricultural Systems in Southeast Asia held on 19–20 April 2023 at the Philippine International Convention Center, Pasay City, Philippines. Los Baños, Laguna and Manila, Philippines: SEARCA and BSP.	https://www.searca.org/pubs/proceeding-workshop-reports?pid=588
Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA). 2024. <i>Proceedings of the Regional Policy Forum on 'From Farms to Schools: Towards Sustainable and Inclusive School-Based Food and Nutrition Programs in Southeast Asia</i> . SEARCA Knowledge Exchange series. Proceedings of the policy forum held on 24–25 April 2023, Crimson Hotel, Alabang, Muntinlupa City, Philippines, and live via Zoom Communications. Los Baños, Laguna, Philippines: SEARCA.	https://www.searca.org/pubs/proceeding-workshop-reports?pid=589
Policy Briefs and Agriculture and Development Notes (5)	
Mercene, S.A., and M.N.Q. Herrera. 2023. <i>GIYA: Seeking to Guide Filipino Farmers on Appropriate Pesticide Fuse</i> . SEARCA Agriculture and Development Notes 12.2. Los Baños, Laguna, Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA). https://www.searca.org/pubs/briefs-notes?pid=573	https://www.searca.org/pubs/briefs-notes?pid=573
Vallejo, C.V.N. 2023. <i>Making a Flatbed Dryer Work in Rural Communities in the Philippines</i> . SEARCA Agriculture and Development Notes 12.3. Los Baños, Laguna, Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture.	https://www.searca.org/pubs/briefs-notes?pid=579
Delos Reyes, M.L.F. and Schultz, B. 2023. <i>Enhancing the Capacity of Farmers and Institutions on Irrigation and Drainage for Sustainable Food Production and Poverty Alleviation in the Philippines</i> . SEARCA Agriculture and Development Notes 12.4. Los Baños, Laguna, Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture.	https://www.searca.org/pubs/briefs-notes?pid=580
Gestiada, E.C., L.J.M. Morong, K.S. Victoria, and N.S. Aggangan. 2024. <i>Bringing Back Mined Areas to Life through Endemic Microbes and Biochar Technology</i> . SEARCA Agriculture and Development Notes 13.3. Los Baños, Laguna, Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA).	https://www.searca.org/pubs/briefs-notes?pid=583
Carmen Nyhria G. Rogel, Bernice Anne C. Darvin-De Torres, and Gerlie T. Tatlonghari. 2024. <i>Farmer Inclusion in School-Based Food and Nutrition Programs in Southeast Asia: Strengthening the Nutrition-Education-Development Nexus</i> . SEARCA Agriculture and Development Notes 13.4. Los Baños, Laguna, Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA).	https://www.searca.org/pubs/briefs-notes?pid=585

Annex 16. SEAMEO SEARCA Conferences, Roundtables, Workshops, and Meetings, FY 2023/2024

Title of Activity	Venue and Date	Total No. of Participants	Country	Activity Partner	Main Speaker/s or Presenter/s
Regional Conferences, Roundtables, Workshops, and Meetings (12)					
Joint Workshop on the Development of a Training Program on Enhancing Management Effectiveness and Governance of Protected and Conserved Areas and Mobilizing Contributions towards Achieving Global Targets	Los Baños, Laguna, Philippines 5 July 2023	8	India Indonesia United Kingdom Philippines	IUCN	<ul style="list-style-type: none"> Mr. Mohammad Khalid Sayeed Phasa, Asia Coordinator-Protected and Conserved Areas, IUCN Green List; Dr. Satrio Adi Wicaksono, Programme Officer-Forests, Science and Strategy Group; Ms. Maeve Nightingale, Asia Lead, Coastal and Marine
5th International Conference on Open and Distance eLearning (ICODEL) Panel Session: Towards the development of Postgraduate Micro-Credentials for Food Security and Climate Change	Online 23 August 2023	112	No country data on from Zoom	UPOU	<ul style="list-style-type: none"> Dr. Naroon Waramit. Kasetsart University-Kamphaeng Saen Campus Thailand Dr. Kelleen Wiseman, University of British Columbia, Canada Dr. Mas Nida Md Khambari, Universiti Putra Malaysia

Title of Activity	Venue and Date	Total No. of Participants	Country	Activity Partner	Main Speaker/s or Presenter/s
5th UC Faculty Forum Sustainable Agriculture Under Changing Climate	Baybay City, Leyte, Philippines 20-21 September 2023	46	Indonesia Malaysia Philippines Thailand Taiwan	Visayas State University and UC	<ul style="list-style-type: none"> • Dr. Edgardo E. Tulin, President, Visayas State University, UC Chief Executive Officer for VSU • Dr. Maximo C. Aljibe, PhD, Dpm, Cesó III, Regional Director, Commission on Higher Education-Region 8 • Dr. Glenn B. Gregorio, Director, SEAMEO SEARCA, Head, UC Secretariat • Dr. Anabella B. Tulin, Dean, VSU-Graduate School, UC Executive Officer for VSU
8th APEAEN International Conference	Los Baños, Laguna, Philippines 18-21 October 2023	90	Philippines Indonesia Thailand Taiwan	APEAEN	<ul style="list-style-type: none"> • Dr. Mercedita A. Sombilla, Undersecretary for Policy, Planning, Research, and Regulations, Department of Agriculture Philippines • Dr. Glenn B. Gregorio, Center Director, SEAMEO SEARCA • Mr. Tadahisa Manabe, Head, Agriculture Division, Asian Productivity Organization, Japan. • Atty. Lily Freida M. Milla, OIC, Office of the Deputy Executive Director, Director-in-Charge, International Affairs Service, Commission on Higher Education, Philippines • Dr. Asdi Agustar, President, Regional SEAMEO SEARCA Alumni Association, Professor, Andalas University, Indonesia
36th UC Executive Board Meeting	Taipei, Taiwan 30-31 October 2023	36	Canada Indonesia Japan Malaysia Philippines Thailand Taiwan	National Taiwan University and UC	<ul style="list-style-type: none"> • Prof. Dr. Dodik R. Nurrochmat, Institut Pertanian Bogor (IPB) • Prof. Dr. Hatma Suryatmojo, Universitas Gadjah Mada (UGM) • Prof. Dr. Zaililah Mohd Shariff, Universiti Putra Malaysia (UPM) • Dr. Jomar F. Rabajante, University of the Philippines Los Baños (UPLB) • Asst. Prof. Dr. Naroon Waramit, Kasetsart University (KU) • Prof. Dr. Ir. Imam Santoso, University of Brawijaya (UB) • Prof. Dr. Machito Mihara, Tokyo-NODAI • Prof. Dr. Je-Ruei Liu, National Taiwan University (NTU) • Dr. Rickey Yada and Dr. Zhaoming Xu, University of British Columbia • Dr. Edgar Orden, Central Luzon State University • Dr. Ana Marquiza Quilicot, Visayas State University (VSU) • Dr. Judith Intong, Central Mindanao University

Title of Activity	Venue and Date	Total No. of Participants	Country	Activity Partner	Main Speaker/s or Presenter/s
					<ul style="list-style-type: none"> • Dr. Winitra Leelapattana, Maejo University (MJU) • Dr. Maria Cristeta N. Cuaresma, SEAMEO SEARCA • Prof. Dr. Mohd Rozi Ahmad, UiTM • Prof. Dr. Wen-Chang Chen, National Taiwan University (NTU)
GRAINS Agri-Innovation Forum	Zoom 24 January 2024	316	279 Philippines 10 Indonesia 8 Malaysia 6 Myanmar 4 Cambodia 2 Thailand 2 Timor-Leste 2 Vietnam, 1 Hungary 1 Nepal 1 UK		<ul style="list-style-type: none"> • Dr. Muhammad Iqbal Djawad, Associate Professor, Hasanuddin University, Indonesia • Dr. Ahmad Farhan Mohd Sadullah, Deputy Vice Chancellor, Research and Innovation, Malaysia Grantee • Dr. Awis Qurni Sazili, Project Leader, UPM Grantee • Khun Ba San, Project Leader, Myanmar Grantee • Mary Grace Gasco, CEO Philippines • Dr. Abhichartbut Rodyoung, Project Leader, Thailand
Kick-off Meeting for the Postgraduate Micro-Credentials on Food Security and Climate Change (PMC FSCC) project	Thailand 31 January 2024 - 1 February 2024	28	Indonesia Malaysia Philippines Thailand Austria	UC and SEAMEO SEARCA	<ul style="list-style-type: none"> • Dr. Ladawan Puangchit, VPAA-KU • Dr. Buncha Chinnasri, MCFSCC Project Leader • Dr. Glenn B. Gregorio, Director, SEAMEO SEARCA • Dr. Witsanu Attavanich, Kasertsart University • Dr. Kanjana Kwanmuang, Office of Agricultural Economics, RECOFTC • Dr. William Sparks, Winrock International • Dr. Naroon Waramit, Kasertsart University • Dr. Srijidtra Charoenlarnopparut, Kasertsart University • Dr. Maria Cristeta N. Cuaresma, Senior Program Head, SEAMEO SEARCA • Dr. Simone Pfeiffer, UGOE
First Workshop for the Postgraduate Micro-Credentials on Food Security and Climate Change (PMC FSCC) Project	Los Baños, Laguna, Philippines 18 - 20 March 2024	24	Indonesia Malaysia Philippines Thailand	UC-UPLB-SEAMEO SEARCA	<ul style="list-style-type: none"> • Dr. Jose V. Camacho, Jr., Chancellor, UPLB • Dr. Agham C. Cuevas, Vice Chancellor for Academic Affairs, UPLB • Dr. Buncha Chinnasri, PMCFSCC Project Leader • Dr. Jomar F. Rabajante, UPLB WP2 Project Lead/UC Coordinator • Dr. Edmund G. Centeno, CDC-UPLB • Dr. Pamela A. Custodio, CDC-UPLB • Dr. Benjamina Paula G. Flor, CDC-UPLB • Dr. Evelie P. Serrano, CPAF-UPLB

Title of Activity	Venue and Date	Total No. of Participants	Country	Activity Partner	Main Speaker/s or Presenter/s
Orientation on Microcredentials, Training on Module Writing, Development of Online Learning Materials, and Packaging of Modules in an Online Platform	Thailand 22-26 April 2024	31	Indonesia Malaysia Philippines Thailand	UC-UPLB- SEAMEO SEARCA	<ul style="list-style-type: none"> • Dr. Buncha Chinnasri, Kasertsart University • Dr. Evelie P. Serrano, UPLB • Dr. Benjamina Paula G. Flor • Dr. Chongrak Wachrinrat, Kasertsart University • Dr. Alexander G. Flor, UPOU • Dr. Pamela A. Custodio, UPLB • Dr. Edmund G. Centeno, UPLB
Harmonizing University Policies in Postgraduate Micro-credentials on	Los Baños, Laguna, Philippines 6–7 May 2024	21	Indonesia Malaysia Philippines Thailand	UC-UGM- SEAMEO SEARCA	<ul style="list-style-type: none"> • Dr. Glenn B. Gregorio, Center Director, SEAMEO SEARCA • Assoc. Prof. Dr. Buncha Chinnasri, Kasertsart University • Dr. Prakash Murgeppa Bhuyar, MJU • Dr. Prakash Murgeppa Bhuyar, MJU • Dr. Irwan Endrayatno Aluicius, UGM • Dr. Harry Freitag, UGM • Dr. Budi Guntoro, UGM
SEAMEO SEARCA Travel Grants Program Forum	Zoom 7 June 2024	100 (online)	Philippines Lao PDR Vietnam Thailand Malaysia Timor-Leste Cambodia Myanmar		SEAMEO SEARCA STGP Secretariat, AKRU and MISU
Regional Stakeholders Consultation Workshop for CADRE	Los Baños, Laguna, Philippines 20-21 June 2024	58 (+ online)	Southeast Asian countries, Germany, India	ASEAN Secretariat	Dr. Paul S. Teng Dr. Roehlano M. Briones
National Conferences, Roundtables, Workshops, and Meetings (42)					
Benchmarking Activity in Thailand for the project titled "Benchmarking of the Agricultural Research for Development (AR4D) Management System in Selected Asian Countries	Thailand 6-12 August 2023	21	Philippines, Thailand	DA-Bureau of Agricultural Research (BAR)	<ul style="list-style-type: none"> • Ms. Marnelie Subong and • Ms. Maylen Cunanan DA-BAR <p>Resource Speakers:</p> <ul style="list-style-type: none"> • Mr. Torlarb Thanvareerat • Ms. Nichchalee Theeradech Parichart Khemthong • Dr. Vicharn Ingsrisawang • Dr. Orakanoke Phanraksa • Ms. Watchara Uraisakul • Ms. Sansanee Huabsomboon • Mr. Prisda Hiranaburna • Assoc Prof. Warapa Mahakarnchanakul • Prof. Roungrong Thongtan
Online Benchmarking Activity with the National Research Council of Thailand (NRCT) for the project titled "Benchmarking of the Agricultural Research for Development (AR4D) Management System in Selected Asian Countries"	Zoom 16 August 2023	18	Philippines, Thailand	DA-Bureau of Agricultural Research (BAR)	<ul style="list-style-type: none"> • Ms. Pattranit Vijitchairach NRCT • Ms. Marnelie Subong DA-BAR • Ms. Maylen Cunanan DA-BAR

Title of Activity	Venue and Date	Total No. of Participants	Country	Activity Partner	Main Speaker/s or Presenter/s
Benchmarking Activity in Malaysia for the project titled "Benchmarking of the Agricultural Research for Development (AR4D) Management System in Selected Asian Countries"	Malaysia 10-16 September 2023	20	Philippines, Malaysia	DA-Bureau of Agricultural Research (BAR)	<ul style="list-style-type: none"> Ms. Ethcel Princess Libang DA-BAR Ms. Ma. Christina Corales SEAMEO SEARCA Ministry Resource Speakers: <ul style="list-style-type: none"> Ms. Armizatul Shima binti Adam Hamzah Ms. Aslinah Lee Nyuk Fong binti Md Rizal Lee Ms. Azrina binti Asmuni Mr. Khairful Fithri bin Abdul Rashid Ms. Noor Salina binti Mohd Baharuddin Mr. Norhayati binti Azmi Ms. Norina binti Sharan Ms. Nur Iffah binti Shaari Ms. Siti Wahidah binti Abd Ghafar Mr. Goh Yong Meng
Benchmarking Activity in South Korea for the project titled "Benchmarking of the Agricultural Research for Development (AR4D) Management System in Selected Asian Countries"	South Korea 11-15 December 2023	11	South Korea	Rural Development Authority (RDA) Korea Agriculture Technology Promotion Agency (KOAT) Asian Food and Agriculture Cooperation Initiative (AFACI) Department of Agriculture - Bureau of Agricultural Research (DA-BAR)	<ul style="list-style-type: none"> Ms. Dulce Elazegui Study Leader Ms. Kris Thea Marie B. Hernandez DA-BAR
Benchmarking Activity in Japan for the project titled "Benchmarking of the Agricultural Research for Development (AR4D) Management System in Selected Asian Countries"	Japan 22-26 January 2024	15	Japan	Japan Science and Technology Agency (JST) Ministry of Agriculture, Forestry and Fisheries (MAFF) Tokyo NODAI Research Institution (TNRI) Philippine Embassy in Tokyo	Mr. Joell Lales Assistant Director, DA-BAR Ms. Stella Faye Estrella Project Associate, SEAMEO SEARCA
Benchmarking Activity in Vietnam for the project titled "Benchmarking of the Agricultural Research for Development (AR4D) Management System in Selected Asian Countries"	Vietnam 22-26 April 2024	22	Vietnam	Institute for Regional Research and Development (IRRDR), Institute of Policy and Strategy for Agriculture and Rural Development (IPSARD), Vietnam National University of Agriculture (VNUA), Hoa Lac Hi-Tech Park, and Vietnam Academy of Agricultural Sciences (VAAS)	Mr. Gian Carlo Espiritu Senior Agriculturist, DA-BAR Ms. Lonnaflor P. Germa Project Associate, SEAMEO SEARCA

Title of Activity	Venue and Date	Total No. of Participants	Country	Activity Partner	Main Speaker/s or Presenter/s
Benchmarking Activity in Indonesia for the project titled "Benchmarking of the Agricultural Research for Development (AR4D) Management System in Selected Asian Countries"	Indonesia 29 April - 3 May 2024	13	Indonesia	Universiti Gadjah Mada Institut Pertanian Bogor National Research and Innovation Agency (BRIN) Philippine Embassy in Indonesia	Ms. Julia A. Lapitan OIC Division Head, PMELD, DA-BAR Ms. Imelda L. Batangantang, Program Specialist, SEAMEO SEARCA
Agrobotics Demonstration with Central Luzon State University (CLSU)	Nueva Ecija, Philippines 11 July 2023	11	Philippines	LSPU CLSU	Mr. Ken Hydro Dimaculangan, Mr. Christopher Bobadilla, Mr. Lim Brian Aranda LSPU intern students
Agrobotics Demonstration Workshop	Los Baños, Laguna, Philippines 19 July 2023	21	Philippines	LSPU	
VEX Robotics Demonstration and Seminar	Los Bzaños, Laguna, Philippines 14 July 2023	18	Philippines	Hytec Power	Mr. Eman Esteras Area Manager, Hytec Power
Training-Workshop on the VEX Robotics	Muñoz, Nueva Ecija, Philippines 23-24 October 2023	14	Philippines	Hytec Power Inc., CLSU	Ms. Mary Ruth C. Arante Technical Specialist Manager- Hytec Power Inc. Patricia Mae C. Abante Technical Specialist-Hytec Power Inc.
Agrobotics Learning Session with ACTS Homeschoolers	Los Baños, Laguna, Philippines 15 November 2023	24	Philippines	Acts Homeschoolers	Mr. Richard Angelo A. Natata, Project Associate, SEAMEO SEARCA
Agrobotics Learning Sessions with Reedley International School	Los Baños, Laguna, Philippines 7 December 2023	14	Philippines	Reedley International School	Mr. Richard Angelo A. Natata Program Associate
Forum on Improving the Policy Environment for Biotech Industry Development (Judiciary)	Metro Manila, Philippines and Zoom 14 July 2023	(68 onsite, 32 online)	Philippines	USDA-FAS ISAAA, Inc. PHILJA PALS	Ms. Kristine N. Tome Dr. Leo A. Gonzales Dr. Michael Leader Dr. Benigno D. Peczon
Open Discussion on Fostering Inclusive and Sustainable Trade through Biotech Information Management and Policies (FIST BMP)	Los Baños, Laguna, Philippines 4 August 2023	29	Philippines USA	USDA-FAS	Dr. Saturnina Halos Dr. Leonardo Gonzales Dr. Rhodora Romero-Aldemita Mr. Ramon Abadilla
Forum on Breeding Innovations for Increasing Productivity & Climate Resilience in Crops & Livestock (Policymakers)	Quezon City, Philippines 8 August 2023	66	Philippines	USDA-FAS ISAAA, Inc. House Committee on Food Security	Dr. Rhodora Romero-Aldemita Dr. Marvin Villanueva Dr. Stuart Smyth
Field monitoring of GRAINS project, "Strengthening the supply chain and traceability for okra commodity using blockchain-based tracking and traceability tools (DAKOTA) in Grobogan, Central Java."	Grobogan, Central Java, Indonesia 27-30 August 2023	19	Indonesia	Penabulu Foundation	Mr. Deden Ramadhani, Mr. Rado Puji Santoso Penabulu Foundation
1st Science and Technology Impact Assessment Conference (Parallel Session: Translating Results of Impact Assessment Studies to Policy)	Pasay City, Manila, Philippines 24-25 August 2023	230	Philippines	UPLB School of Environmental Science and Management (SESAM); DOST Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)	Ms. Princess Alma Ani Dr. Anita G. Tidon Dr. Julieta D. Delos Reyes Dr. Virginia R. Cardenas Resource Speakers

Title of Activity	Venue and Date	Total No. of Participants	Country	Activity Partner	Main Speaker/s or Presenter/s
Food is Life Exemplified for Planetary Health Diet (FLExPHD) App Development Status	Zoom, 6 September 2023	10	Philippines	DOST National Academy of Science and Technology (NAST); DOST Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)	Dr. Eufemio Rasco Jr., Ms. Meliza Abeleda, DOST-PCAARRD
Field Monitoring of GRAINS Project, "Farm Box: Advancing Small Holder Farmers through investment and Agri-Innovative Solutions"	Calacan, Batangas, Philippines 7 September 2023	10	Philippines	Farmbox Agri Trading	Ms. Marcelina Mendoza Ms. Reina Lemi Lizardo
What's Up "B"? Conversations with the Media on the Status of Philippine Ag-biotech	Los Baños, Laguna, Philippines 8 September 2023	37	Philippines	DA-BPO SciCommPH	Dr. Rhodora Romero-Aldemita Dr. Maribel Zaporteza Ms. Geronima Eusebio Ms. Ma. Lorelie U. Agbagala
Inception Meeting for the project, Accelerating Climate Resilience in Agriculture, Natural Resource, and the Environment (ANRE)	Quezon City, Metro Manila, Philippines 8 September 2023	42	Philippines	Asian Development Bank (ADB) NIRAS Department of Agriculture (DA) Philippine Crop Insurance Corporation (PCIC) International Center for Environmental Management (ICEM) Department of Environment and Natural Resources (DENR)	Mr. Omer Zafar, ADB Ms. Antti Inkinen, NIRAS Mr. Cesar Umali Jr., NIRAS
Training on Organizational Development (Coconut Project)	Catanauan, Quezon, Philippines 26 September 2023	29	Philippines	Provincial Government of Quezon through the Office of the Provincial Agriculturist; Philippine Coconut Authority	Ms. Adriann M. Quillooy Ms. Jennica Arielle M. Mora
Carbon Footprint Project: Presentation of Preliminary Findings and Draft Calculator	Los Baños, Laguna, Philippines 6 November 2023	20	Philippines	UPLB ILCAL Team	Dr. Rex Demafelis Project Leader-Consultant Engr. Bernadette Magadia Study Leader-Consultant Engr. Eros Paul Estante Project Researcher-Consultant
Biotech to the Rescue: Pioneering Biosafety Solutions in Food Biotechnology for a Secured Tomorrow	Los Baños, Laguna, Philippines and Zoom 18 November 2023	90	Philippines	UP LABS	Dr. Baby Richard Navarro Mr. Reimond Corona
Regional Crop Biotech Symposium	Cebu City, Philippines 22 November 2023	80	Philippines	DA-Crop Biotechnology Center	Dr. Leny Galvez Dr. Roven Rommel Fuentes Dr. Mary Jhane Valentino Mr. Adriel Dave "Farmer AD" Alvarez
Career Horizons in Agribiotech: Pathways and Fellowship Event	Cebu City, Philippines 23 November 2023	100	Philippines	DA-BPO	Dr. Vivencio Mamaril Dr. Antonio A. Alfonso Mr. Amiel O. Arguil Dr. Maribel Zaporteza Dr. Nina Gloriani Dr. Nina Halos

Title of Activity	Venue and Date	Total No. of Participants	Country	Activity Partner	Main Speaker/s or Presenter/s
AgriBioTalk Symposium	Los Baños, Laguna, Philippines 24 November 2023	40	Philippines	UP GRAINS	Dr. Norvie Manigbas Dr. Rona Camille Lizardo-Agustin
Second International Conference on School plus Home Garden cum Biodiversity Enhancement Enterprise (SHGBEE2)	Kabankalan City, Negros Occidental, Philippines 14-17 November 2023	107	104 Philippines, 3 USA	Central Philippine State University,; Kansas State University	Dr. PV Vara Prasa Dr. Danny Hunter Dr. Rameshwar Kanwar Mr. Swetank Shekhar Ms. Lorna Reyes Mr. Al Linsangan Dr. Nur Azura Adam Dr. Blesilda Calub Dr. Lyda Hok Ms. Ma. Elena San Jose
B2B Training on Good Agricultural Practices (GAP) and Processing of Coconut-based Products	Catanauan, Quezon, Philippines 5-6 December 2023	30	Philippines	Provincial Government of Quezon through the Office of the Provincial Agriculturist; Philippine Coconut Authority	Mr. Francisco Rubio Ms. Mylene Culing Mr. Moises de Mesa Ms. Rose Ann Alejandro
Workshop on Biogas Digesters	Silang, Cavite, Philippines 25 January 2024	15	Philippines	LAMACO	Mr. Leonardo Angeles Company Manager , LAMACO
20 Years and Onward: Advancing the Future of Philippine Yellow Corn Forum	Makati City, Philippines 8 February 2024	160+ (online and onsite)	Philippines	Bayer CropScience PH	Dr. Abraham Manalo Dr. Candido Damo, Mr. Ramon Abadilla Dr. Gabriel Romero Dr. Analiza Ramirez Mr. Edwin Mapanao Mr. Adriel Dave Alvarez
WE Can Do It Forum: Celebrating Women in Agriculture	Taguig City, Philippines 13 March 2024	40	Philippines	PPSA Agriterria Philippines Morination Agriculture Products Embassy of the Kingdom of Netherlands	Ms. Cherrie Atilano Ms. Rose Dalina Deputy Director Ma. Kristine Josefina Balmes Dr. Elaine Llarena Dr. Inez Ponce de Leon
Kapehan Session on Research and Digital Tools for Climate Change in Agriculture	Makati City, Philippines 11 April 2024	30	Philippines	PPSA	Msd. Cathy Yap-Yang Mr. Juanito Berja Ms. Ayn Torres Ms. Jorybell Masallo Mr. Alfi Lorenz Cura Ms. Gillian Santos
Hindi “Weather-Weather Lang” ‘Yan: A Farmers Forum on Climate Smart Agriculture	Bacacay, Albay 15-16 May 2024	Day 1: 200+ Day 2: 100+	Philippines	Embassy of France to the Philippines and Micronesia, Diocese of Legazpi, LGU Bacacay, Albay	Dr. Antonio P. Payonga Ms. Wendy C. Dunasco Ms. Perla G. Baltazar, Mr. Elmer E. Enicola, Dr. Jaime A. Manalo IV
Field monitoring of GRAINS project: Development of Smart Aquaculture System Based on Artificial Intelligence in Black Tiger Shrimp (<i>Penaeus monodon</i>) Hatchery, and Strengthening the Supply Chain and Traceability for Okra Commodity Using Blockchain-based Tracking and Traceability Tools (DAKOTA) in Grobogan, Central Java.”	Jakarta, Indonesia and Makassar, Indonesia 11-15 June 2024	12	Indonesia	Penabulu Foundation	Mr. Deden Ramadhani Mr. Rado Puji Santoso Mr. Muhammad Iqbal

Annex 17. Publications and Papers Presented by SEAMEO SEARCA Staff, Scholars, and Alumni, FY 2023/2024**Publication Title****Policy Briefs and Agriculture and Development Notes****SEAMEO SEARCA Staff (1)**

Carmen Nyhria G. Rogel, Bernice Anne C. Darwin-De Torres, and Gerlie T. Tatlonghari. 2024. *Farmer Inclusion in School-Based Food and Nutrition Programs in Southeast Asia: Strengthening the Nutrition-Education-Development Nexus* <https://www.searca.org/pubs/briefs-notes?pid=585>

Conference/Seminar Paper Presentations**SEAMEO SEARCA Staff (5)**

Maylyn G. Dilig, Anna Gale C. Vallez, James Roin V. Manlavi, Bryan Dale E. Gabo, Rochella B. Lapitan. 2023. "Assessment of the schools' compliance in the implementation of Gulayan sa Paaralan Program in Coron and Busuanga, Palawan, Philippines"

Nur Azura Adam, Anna Gale C. Vallez, Gerlie T. Tatlonghari, Rochella B. Lapitan, Maylyn G. Dilig, James Roin V. Manlavi, Bryan Dale E. Gabo. 2023. "Implementation of the School-plus-Home Gardens for Food and Nutrition Security in Busuanga Island, Palawan"

James Roin V. Manlavi, Bryan Dale E. Gabo, Anna Gale C. Vallez. 2023. "A methodological approach for standardizing monitoring and evaluation system of the Gulayan sa Paaralan and the School-plus-Home Gardens Programs"

Glenn B. Gregorio, Nur Azura Adam, Maria Cristeta N. Cuaresma, Rico C. Ancog. 2023. "Reshaping Research and Development in HEI in time of Pandemic in Southeast Asia."

Maria Cristeta N. Cuaresma. 2023. "Survey Results on Existing Micro-Credentials offered in UC-member Universities." Presented during the Kick-off Meeting for the Postgraduate Micro-Credentials on Food Security and Climate Change (PMC FSCC) Project. Thailand, 31 January – 1 February 2024.

Thesis**SEAMEO SEARCA Staff (1)**

Anna Gale C. Vallez. "Agri-environmental Sustainability of the Local Knowledge Systems and Adaptation Practices to Climate Change of the Abaknons of Barangay Oson, Capul Island, Philippines," a Master's Thesis submitted in partial fulfillment of the requirements for the degree of Master of Science in Environmental Science, Graduate School, UPLB, Philippines, AY 2023-2024.

Research Paper**SEAMEO SEARCA Staff (2)**

Eduardo D. Rodriguez, Jr. "An Assessment of the Total Technology Value of I.T. Systems Interventions at SEARCA," a business research report submitted in partial fulfillment of the requirements for the degree of Master of Management Major in Business Management (MMBM), Graduate School, UPLB, Philippines, AY 2022-2023.

Rheden V. Rebong, "The Impact of SEARCA Scholarship on the Career Growth of Alumni with Administrative Positions" a business research report submitted in partial fulfillment of the requirements for the degree of Master of Management Major in Business Management (MMBM), Graduate School, UPLB, Philippines, AY 2021-2022

SEAMEO SEARCA Scholars, Alumni, and Professorial Chair Grantees (1)

Akhmad Zamroni and Decibel V. Faustino-Eslava. 2024. *Geological Factors Influencing River Morphological Changes: Implications in the Agricultural Sector. Environment and Renewable Energy*. ICERE 2023. Springer Proceedings in Earth and Environmental Sciences. Springer, Singapore. https://doi.org/10.1007/978-981-97-0056-1_10

Conference/Forum/Workshop Proceedings**SEAMEO SEARCA Scholars, Alumni, and Professorial Chair Grantees (6)**

Arjay R. Alba and Noel B. Linsangan. 2023. "Wireless Sensor Network-Based Streetlight Monitoring System with Theft Detection Features." The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2024 X.-S. Yang et al. (eds.), *Proceedings of Eighth International Congress on Information and Communication Technology*, Lecture Notes in Networks and Systems 696, https://doi.org/10.1007/978-981-99-3236-8_6

Arjay R. Alba, Jaime P. Pulumbarit, Catherine B. Pulumbarit, and Noel B. Linsangan. 2023. "A Comparative Analysis of the System Architectures and Latencies for an Intelligent Anti-Theft Monitoring System for Cabled Streetlights." The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2023 J. Choudrie et al. (eds.), *JOT with Smart Systems*, Lecture Notes in Networks and Systems 720, https://doi.org/10.1007/978-981-99-3761-5_56

Jenette C. Centeno, Jennifer C. Dela Cruz, Arjay R. Alba, Arlene A. Romasanta, Alejandro H. Ballado, Jr., and Jilbert M. Novelero. 2023. "Mangrove Tree Propagules Classification via Deep Learning." 2023 International Conference on Digital Applications, Transformation & Economy (ICDATE)

Tantichukiad K, Yahya A, Mohd Mustafah A, Mohd Rafie AS, Mat Su AS. 2023. "Design evaluation reviews on the savonius, darrieus, and combined savonius-darrieus turbines." *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*. 2023;237(6):1348-1366. doi:10.1177/09576509231163965

Hardiansyah, M. Y., Dungga, N. E., and Hartini. 2023. "The impact analysis of the use of automatic bird repellent on rice production prior to harvest." 2nd International Conference on Science and Mathematics (2nd ICSM), Vol. 2704. AIP Publishing.

Imroni, I., Hardiansyah, M.Y., Bachtiar, R.R., Istanti, A., Utami, S.W., and Dungga, N.E.. 2023. "Feasibility analysis of white oyster mushroom cultivation in UD." Yusy Berkah Abadi Banyuwangi. *IOP Conference Series: Earth and Environmental Science* (Vol. 1230, No. 1, p. 012018). IOP Publishing.

Publication Title

Journal Articles

SEAMEO SEARCA Scholars, Alumni, and Professorial Chair Grantees (33)

- Samijan, Sri Minarsih, Sodiq Jauhari, Seno Basuki, Arif Susila, Endah Nurwahyuni, Yulis Hindarwati, Agus Supriyo, Vina Eka Aristya. 2023. *Revitalizing sub-optimal drylands: Exploring the role of biofertilizers*. <https://doi.org/10.1515/opag-2022-0214>
- Rambo Mao, Arunee Wongkaew, Phanupong Khongchui and Sutkhet Nakasathien. 2023. "Agronomic Characteristics of Maize Grown in Paddy Soil, Along with Root Zone Soil Chemical Properties and Soil Bacterial Numbers." *Trends in Sciences* 2023; 20(12): 6972 <https://doi.org/10.48048/tis.2023.6972>
- Erise Anggraini, Ganesan Vadmalai, Lih Ling Kong, Mazidah Mat & Wei Hong Lau. 2023. "Variants in the mitochondrial genome sequence of *Oryctes rhinoceros* (Coleoptera: Scarabaeidae) infected with *Oryctes rhinoceros* nudivirus in oil palm and coconut plantations." *Scientific Reports* (2023) 13:16850 | <https://doi.org/10.1038/s41598-023-43691-w>
- Suprpto, Nadi & Zamroni, Akhmad & Faustino-Eslava, Decibel & Calzeta, Eduardo & Tiburan, Cristino & Rachmawati, Yeni & Nolos, Ronnel. 2023. "Global Overview on the Recent Studies of Geohazards: A Dynamic Population Approach." *Journal of Tsunami Society International* 42: 3.
- Andrea S. Asih, Akhmad Zamroni, Saurina T. Sagala, Keshia N. Tingson, and Adam S. Putra. 2023. "Heavy Metals in Surface Sediments of the Coastal Area Around Daerah Istimewa Yogyakarta, Indonesia: Their Relations to Land-Use Types." *Iraqi Geological Journal* 2023, 56(1E), 156-168.
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Annex 18a. SEAMEO SEARCA Staff Development and Professional Enrichment, FY 2023/2024

Name of Participant	Title of Activity	Venue and Date	Nature of Participation
Abella, John Kenneth G.	Unlock the Power of Microsoft 365 for Hybrid Work	Makati City, Philippines 15 November 2023	Participant
Aldave, Roi C.	Seminar on Tax Annualization for Employees and Consultants	Taguig City, Philippines 10 November 2023	Participant
Almazan, Bernisse Sabina R.	Basic Supervision: The Key to Greater Productivity in the Workplace	Pasig City, Philippines 24-25 April 2024	Participant
Angeles, Darlyn R.	27th FPSAP Scientific Conference 2023 Innovative Plant solutions for a Sustainable and Climate Smart Agriculture	Palawan, Philippines 28 August - 1 September 2023	Participant
	Climate Smart Village Roving Workshop	Cavite, Laguna, and Quezon, Philippines 25-30 September 2023	Participant
	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
Barradas, Jerome Cayton C.	Roundtable Discussion (RTD) on Biotechnology Capacity Building Programs	Quezon City, Philippines 17 August 2023	Moderator
	Communicating Agricultural Biotechnology: A Science Communication Workshop for DA RFOs and IOs (First Offering)	Zoom 19-20 August 2023	Moderator
	Usapang Coconut: A Seminar of the Status and Opportunities in the Philippine Coconut Industry	Los Baños, Laguna, Philippines 30 August 2023	Moderator
	6th International Conference on Animal Nutrition	Selangor, Malaysia and Zoom 3 October 2023	Moderator
	Nourishing Our Future through Food Security and Nutrition (PIDS Webinar)	Zoom 12 October 2023	Moderator

Name of Participant	Title of Activity	Venue and Date	Nature of Participation
	DOST-ITDI Conference on Advancing Cashew Industry through Green Technology	Makati City, Philippines 3 November 2023	Moderator
	ICTforAg 2023: Cultivating Inclusion	Zoom 7-9 November 2023	Moderator
	2nd International Conference on School-plus-Home Gardens cum Biodiversity Enhancement Enterprise	Kabankalan City, Negros Occidental, NPhilippines 13-17 November 2023	Moderator
	International Conference on Coconut Conservation, Valorization, and Exchange of Resources and Germplasm for Economic Development	SEAMEO SEARCA 27-29 November 2023	Moderator
	PPSA Key Partners Meeting	Makati City, Philippines 5-6 December 2023	Moderator
Batangantang, Imelda L.	5th Science Communication Roundtable Discussion	Los Baños, Laguna, Philippines 6 May 2024	Moderator
Bravo, Ma. Victoria D.	Results-Based Monitoring and Evaluation by Asian Institute of Management	Online 4-22 March 2024	Participant
Caguioa-Malayba, Regine L.	Orientation on the Use and Applications of Manchester Personality Questionnaire and Management Development Questionnaire	Google Meet 11 August 2023	Participant
	Sprout's Empower Your Compensation Strategy: Navigating Wage Distortion & Salary Benchmarking	Zoom 22 September 2023	Participant
	Regenerative HR by Nomura Research Institute Singapore Pte. Ltd.	Zoom 19 October 2023	Participant
	Transforming the Employee Experience: The Impact of Automating HR Processes	Zoom 20 October 2023	Participant
Calingasan, Jam Amily R.	Seminar on Tax Annualization for Employees and Consultants	Taguig City, Philippines 10 November 2023	Participant
	BIR Computerized Accounting System	Pasig City, Philippines 23 November 2023	Participant
Carandang, Loise Ann M.	Letran Calamba - Japanese Organizations Sustainable Linkage Initiative	Calamba, Laguna, Philippines 11 October 2023	Participant
	3rd International Conference on Youth Community Leadership and Engagement (CYCLE)	Zoom and Malang, Indonesia 12 October 2023	Participant
	DOST National Youth Science, Technology, and Innovation Festival	Pasay, Philippines 25-28 October 2023	Participant
	International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Scientific Congress and General Meeting 2023	Muntinlupa City, Philippines 8-10 November 2023	Participant
	The Best of The Nordics: Ambassadorial Insights and Business Excellence	Makati City, Philippines 9 November 2023	Participant
	Seminar on Tax Annualization for Employees and Consultants	Taguig City, Philippines 10 November 2023	Participant
Carlos, Lichelle Dara E.	UP Open University Tri Conference: International Symposium on Education and AI Convergence (ISEAC) Strategies for Promoting Robotics in Agricultural Education for Youth	Los Baños, Laguna, Philippines 23 August 2023	Participant
	1st Science and Technology Impact Assessment Conference (Hybrid)	Manila, Philippines 24-25 August 2023	Participant
	Grow Asia Investment Forum 2023	Singapore 12 September 2023	Participant
	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
Corales, Ma. Christina G.	Inception Workshop for the Project "Reducing Methane Emissions from Rice: from mechanistic understanding to scalable crop management options - REMET-Rice"	Los Baños, Laguna, Philippines 10-12 July 2023	Participant
	Leadership in Project Management for Development Managers Program by Asian Institute of Management	Online 18 October - 8 November 2023	Participant

Name of Participant	Title of Activity	Venue and Date	Nature of Participation
Cuaresma, Maria Cristeta N.	5th UC Faculty Forum: Sustainable Agriculture Under Changing Climate	Visayas State University, Leyte, Philippines 20-22 September 2023	Co-organizer and Attendee
	Tropical Agrosilvopasture for Sustainable Nature-based Product Development	Yogyakarta, Indonesia 16-27 October 2023	Co-organizer and Attendee
	Basics of Resilience Course Launch	Zoom 5 December 2023	Co-organizer and Attendee
	Module Development Training for Postgraduate Micro-credentials on Food Security and Climate Change	Kasetsart University, Bangkok, Thailand 22-26 April 2024	Co-organizer and Attendee
De Torres, Bernice Anne D.	Grow Asia Digital Learning Series: Reducing Carbon Emissions in Agriculture: The Role of Big Data and AI	Zoom 23 August 2023	Participant
	Workshop on Philippine Biodiversity Landscape and Agrobiodiversity Use for Resilience and Nutrition	Cavite, Philippines 5-16 September 2023	Participant
	Sustainable Agriculture Forum	Makati City, Philippines 7 September 2023	Participant
	Regional Training on Multi- stakeholder Policy Engagement in Agri-food Systems	Zoom 18-20 September 2023	Participant
	2nd Training Cum Workshop on Carbon Wise Rice-based Farming	SEAMEO SEARCH 21-22 November 2023	Participant
Dia, Jaymark Warren T.	SEAMEO RECFON's Knowledge Management and Partnership Workshop	Zoom, 7-8 March 2024	Presenter
Domingo, Leah Lyn D.	Nordic Chamber of the Philippines (NordChamPh) Sustainability Business Partner and Sustainability Leader of the Year	Makati City, Philippines 30 August 2023	Attendee
	30th National PR Congress	Makati City, Philippines 14-15 September 2023	Participant
	Agrilink, Foodlink, Aqualink 2023	Pasay City, Philippines 6 October 2023	Attendee
	Los Baños Science Community Foundation, Inc. (LBSCFI) InforInformation Committee: Science Communication Training-Workshop	Laguna, Philippines 12 October 2023	Participant
	DOST National Youth Science, Technology, and Innovation Festival	Pasay, Philippines 25-28 October 2023	Attendee
	International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Scientific Congress 2023	Alabang, Philippines 8-10 November 2023	Attendee
Estareja, Zara Mae C.	Thai Farm and Agri-Technology Tour	Pattaya and Chonburi, Thailand 5-8 September 2023	Participant
	Agrilink, Foodlink, Aqualink 2023	Pasay City, Philippines 6 October 2023	Participant
	Letran Calamba - Japanese Organizations Sustainable Linkage Initiative	Calamba, Laguna, Philippines 11 October 2023	Participant
	Los Baños Science Community Foundation, Inc. (LBSCFI) Information Committee: Science Communication Training-Workshop	Laguna, Philippines 12 October 2023	Participant
	DOST National Youth Science, Technology, and Innovation Festival	PICC, Pasay, Philippines 25-28 October 2023	Participant
	International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Scientific Congress and General Meeting 2023	Alabang, Philippines 8-10 November 2023	Participant
Estrella, Stella Faye B.	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
Gamil, Jenine F.	5th Science Communication Roundtable Discussion	Los Baños, Laguna, Philippines 6 May 2024	Participant

Name of Participant	Title of Activity	Venue and Date	Nature of Participation
Genosa, Eidelmine Elizabeth F.	Orientation on the Use and Applications of Manchester Personality Questionnaire and Management Development Questionnaire	Google Meet 11 August 2023	Participant
	PSTD 48th National Convention: Breakthrough Conquering Limitless Possibilities	Malay, Aklan, Philippines 20-22 September 2023	Participant
	Development as Part of Total Rewards Strategy by HRB Asia	Zoom, 18 October 2023	Participant
	Regenerative HR by Nomura Research Institute Singapore Pte. Ltd.	Zoom, 19 October 2023	Participant
	Leadership & Change Conference 2023 by Human Dynamic Philippines	Pasig City, Philippines 23 November 2023	Participant
Germo, Lonnaflor P.	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
Gilbuena, Gilbert A.	Seminar on Tax Annualization for Employees and Consultants	Taguig City, Philippines 10 November 2023	Participant
Gonzales, Pauline D.	Usapang Coconut: A Seminar of the Status and Opportunities in the Philippine Coconut Industry	Los Baños, Laguna, Philippines 30 August 2023	Participant
	Sustainable Agriculture Forum	Makati City, Philippines 7 September 2023	Participant
	Training on Organizational Development (Sustainable Enterprise Building/ Development for Coconut Farmers)	Catanauan, Quezon, Philippines 26 September 2023	Participant
Gregorio, Glenn B.	5th UC Faculty Forum: Sustainable Agriculture under Changing Climate	Visayas State University, Leyte, Philippines 20-22 September 2023	Participant
	World Vegetable Center 50th Anniversary Forum	Taiwan 3 November 2023	Participant
Hedreyda, Joseph Matthew L.	Nordic Chamber of the Philippines (NordChamPh) Sustainability Business Partner and Sustainability Leader of the Year	Makati City, Philippines 30 August 2023	Participant
	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
Jalotjot, Zacyl R.	Summer Course on Ecosystem-Based Disaster Risk Reduction and Climate Change Adaptation (Eco-DRR)	Yogyakarta, Indonesia 21-25 August 2023	Participant
	5th UC Faculty Forum: Sustainable Agriculture under Changing Climate	Visayas State University, Leyte, Philippines 20-22 September 2023	Participant
	Tropical Agrosilvopasture for Sustainable Nature- based Product Development	Yogyakarta, Indonesia 16-27 October 2023	Participant
	Professional Training Course on Recent Advances in Tropical Aquaculture, Aquaculture Nutrition and Feed Technology	Asian Institute of Technology, Thailand 7-17 November 2023	Participant
Malaiba, Sharon A.	Nordic Chamber of the Philippines (NordChamPh) Sustainability Business Partner and Sustainability Leader of the Year	Makati City, Philippines 30 August 2023	Participant
	Letran Calamba - Japanese Organizations Sustainable Linkage Initiative	Calamba, Laguna, Philippines 11 October 2023	Participant
	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
	International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Scientific Congress and General Meeting 2023	Alabang, Philippines 8-10 November 2023	Participant
	The Best of The Nordics: Ambassadorial Insights and Business Excellence	Makati City, Philippines 9 November 2023	Participant
Malayang, Donna Bae N.	1st Science and Technology Impact Assessment Conference (Hybrid)	Manila, Philippines 24-25 August 2023	Participant
Mangaya, Rachelle Anne E.	Towards a Truly Inclusive Education System in Asia	Virtual 11 September 2023	Participant

Name of Participant	Title of Activity	Venue and Date	Nature of Participation
Martinez, Beatrisa L.	5th UC Faculty Forum: Sustainable Agriculture under Changing Climate	Visayas State University, Leyte, Philippines 20-22 September 2023	Participant
Medina, Danellie Joy O.	Los Baños Science Community Foundation, Inc. (LBSCFI) Information Committee: Science Communication Training-Workshop	Laguna, Philippines 12 October 2023	Participant
	DOST-ITDI Conference on Advancing Cashew Industry through Green Technology	Makati City, Philippines 3 November 2023	Participant
Miraflones, Charles Van T.	ISO/IEC 27001:2022 Information Security Management Systems Auditor-Lead Auditor	Online 14-17 September 2023	Participant
	Basic Research Ethics Training	SEAMEO SEARCA 26-27 February 2024	Participant
	Refresher Course for DPO	Online 8 March 2024	Participant
Natata, Richard Angelo A.	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
Nur Azura binti Adam	5th UC Faculty Forum: Sustainable Agriculture under Changing Climate	Visayas State University, Leyte, Philippines 20-22 September 2023	Participant
	World Vegetable Center 50th Anniversary Forum	Taiwan 3 November 2023	Participant
	International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Scientific Congress and General Meeting 2023	Alabang, Philippines 8-10 November 2023	Participant
	2nd International Conference on School-plus- Home Gardens cum Biodiversity Enhancement Enterprise	Kabankalan City, Negros Occidental, Philippines 13-17 November 2023	Participant
	PPSA Key Partners Meeting	Makati City, Philippines 5-6 December 2023	Participant
	Asia-Pacific Conference on the Transformation of Higher Education in Agriculture	Zoom 8 December 2023	Participant
	BIR Computerized Accounting System	Pasig City, Philippines 23 November 2023	Participant
Pascua, Stoix Nebin S.	AI in Education: Harnessing AI for Enhanced Teaching and Learning	Zoom 12 January 2024	Participant
	Basic Research Ethics Training	SEAMEO SEARCA 26-27 February 2024	Participant
	Seminar on “Why Climate and Nutrition Need Each Other: Some Evidence from the Philippines”	Los Baños, Laguna, Philippines 19 March 2024	Participant
	Module Development Training for Postgraduate Micro-credentials on Food Security and Climate Change	Bangkok, Thailand 22-26 April 2024	Participant
	5th Science Communication Roundtable Discussion	Los Baños, Laguna, Philippines 6 May 2024	Participant
Pasiona, Sonny P.	SEAMEO RETRAC International Conference 2023	Vietnam 13-14 July 2023	Participant
	2023 Annual CGIAR Gender Research Conference	New Delhi, India 9-12 October 2023	Participant
	Seminar on “Why Climate and Nutrition Need Each Other: Some Evidence from the Philippines”	Los Baños, Laguna, Philippines 19 March 2024	Participant
Patagnan, Kim Lousse A	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
Platino, Angeli Gerone R.	DOST National Youth Science, Technology, and Innovation Festival	Pasay City, Philippines 25-28 October 2023	Participant
	IPA-IRRI Introductory Monitoring and Evaluation (M&E) Capacity Building Program by Innovations for Poverty Action and International Rice Research Institute	Laguna, Philippines 24-27 June 2024	Participant

Name of Participant	Title of Activity	Venue and Date	Nature of Participation
Platero-Jansalin, Marilyn R.	IPA-IRRI Introductory Monitoring and Evaluation (M&E) Capacity Building Program by Innovations for Poverty Action and International Rice Research Institute	Laguna, Philippines 24-27 June 2024	Participant
Quilapio, Kristine E.	Orientation on the Use and Applications of Manchester Personality Questionnaire and Management Development Questionnaire	Google Meet 11 August 2023	Participant
	Sprout's Empower Your Compensation Strategy: Navigating Wage Distortion and Salary Benchmarking	Zoom 22 September 2023	Participant
	Masterclass on HR Analytics-Metrics and More	Online 24 November 2023	Participant
Ramos, Nova A.	Mainstreaming Agroecology on Agricultural Education	Virtual 18 July 2023	Participant
	WEE Talk Series # 3: Learning Exchange on the BTP WEE in AVCs with Practitioners from the Philippines	Virtual 11 August 2023	Participant
	Sarawak Agrotourism Conference & Expo (SatCE) 2023	Malaysia 28-30 August 2023	Participant
	2nd International Agri-Ecotourism Congress	Malay, Aklan, Philippines 11-13 September 2023	Participant
	International Webinar on Transformation of Higher Education	Virtual 19 September 2023	Participant
Rebong, Rheden V.	Thai Farm and Agri- Technology Tour	Pattaya and Chonburi, Thailand 5-8 September 2023	Participant
Reynoso, Eric DV	10th National Congress & 2023 Philippine Agriculturists Summit	Davao City, Philippines 25-27 July 2023	Panelist
	UP Open University Tri Conference: International Symposium on Education and AI Convergence (ISEAC) Strategies for Promoting Robotics in Agricultural Education for Youth	Los Baños, Laguna, Philippines 23 August 2023	Panelist
	Intellectual Property in Emerging Economies	Taguig City, Manila, Philippines 4-15 September 2023	Panelist
	World Vegetable Center 50th Anniversary Forum	Taiwan 3 November 2023	Panelist
Sarino, Anthony L.	Nordic Chamber of the Philippines (NordChamPh) Sustainability Business Partner and Sustainability Leader of the Year	Makati City, Philippines 30 August 2023	Participant
Tabadero, Renz B.	Unlock the Power of Microsoft 365 For Hybrid Work	Makati City, Philippines 15 November 2023	Participant
Talatala, Mina G.	Act Now or Pay Later: Enhancing Disaster Risk Governance for a Resilient Philippines (SERP Virtual Forum)	Virtual 1 July 2023	Participant
	9th Annual Public Policy Conference: Green and Digital: Managing the Twin Transition Toward Sustainable Development	Virtual 19 September 2023	Participant
Tatlonghari, Gerlie T.	Inception Workshop for the Project "Reducing Methane Emissions from Rice: from mechanistic understanding to scalable crop management options - REMET-Rice"	Los Baños, Laguna, Philippines 10-12 July 2023	Presenter
	12th Steering Committee on Climate Change and Food Security	Zoom 14 August 2023	Presenter
	Workshop on Philippine Biodiversity Landscape and Agrobiodiversity Use for Resilience and Nutrition	Cavite, Philippines 5-16 September 2023	Presenter
	Grow Asia Investment Forum 2023	Singapore 12 September 2023	Presenter
	Environmental Policy Leadership Programmed in Southeast Asia	Singapore 18-29 September 2023	Presenter
	6th International Conference on Animal Nutrition	Selangor, Malaysia and Zoom 3 October 2023	Presenter

Name of Participant	Title of Activity	Venue and Date	Nature of Participation
	ASEAN-CGIAR Innovate for Food and Nutrition Security Regional Program Planning Meeting and Program Launch	Kuala Lumpur, Malaysia 4 October 2023	Presenter
	Southeast Asia Research Academy (SEARA) Meeting for Batch 10	Zoom 15 November 2023	Presenter
Tresballes, Nelson A.	Sustainability Committee Meeting with Nokia Solutions & Network Phils., Inc.	Taguig City, Philippines 27 September 2023	Participant
Vallez, Anna Gale C.	Training on School Edible Landscaping for Entrepreneurship in Rizal	Zoom 7-11 August 2023	Participant
	Usapang Coconut: A Seminar of the Status and Opportunities in the Philippine Coconut Industry	Los Baños, Laguna, Philippines 30 August 2023	Participant
	Thai Farm and Agri- Technology Tour	Pattaya and Chonburi, Thailand 5-8 September 2023	Participant
	Training on Organizational Development (Sustainable Enterprise Building/ Development for Coconut Farmers)	Catanauan, Quezon, Philippines 26 September 2023	Participant
	6th International Conference on Animal Nutrition	Selangor, Malaysia and Zoom 3 October 2023	Participant
	2nd International Conference on School-plus- Home Gardens cum Biodiversity Enhancement Enterprise	Negros Occidental, Philippines 13-17 November 2023	Participant
	Webinar on Smart Indoor Cultivation Technology and Protected Cultivation of Vegetables	Zoom 21 November 2023	Participant
	Information Security Management System (ISMS) Practitioner	Virtual 19-20 September 2023	Participant
Ventenilla, Julita G.	Basic Research Ethics Training	SEAMEO SEARCA 26-27 February 2024	Participant

Annex 18b. In-house Orientation, Seminars, and Workshops for SEAMEO SEARCA Staff, FY 2023/2024

Title of Activity	No. of Participants	Venue and Date
Training on How to Handle Online Events Using Livestreaming Tools and Devices	10	SEAMEO SEARCA 30-31 August 2023 and 13-14 September 2023
Cybersecurity Awareness Seminar	72	SEAMEO SEARCA 6-8, and 11 September 2023
Data Privacy Orientation	10	SEAMEO SEARCA 10 October 2023
Occupational First Aid & Basic Life Support Training	17	SEAMEO SEARCA 12 -13 October 2023
Basic Electrical Troubleshooting Seminar	8	SEAMEO SEARCA 10-11 January 2024
SEARCArunungan para sa SEARCAbataan: Practicing Environmental, Social, and Governance (ESG) Sustainability Framework	17	SEAMEO SEARCA 23 February 2024
Leadership Coaching Program Journey	15	SEAMEO SEARCA 15 January - 3 May 2024
Orientation on New Managed Print Services	25	SEAMEO SEARCA 8 March 2024

Annex 19. SEAMEO SEARCA Fellows, FY 2023/2024

Name and Affiliation	Field of Expertise	Appointment
Senior Fellows (21)		
Dr. Julian Gonsalves Senior Advisor, International Institute of Rural Reconstruction	Natural Resource Management	15 February 2022 - 15 February 2024
Dr. Thelma R. Paris Former Senior Scientist, International Research Institute (IRRI) and Professor, University of the Philippines Open University (UPOU)	Gender Studies and Rural Development	25 March 2022 - 25 March 2024
Dr. Victor Bruce J. Tolentino Former Monetary Board Member, Bangko Sentral ng Pilipinas	Economics and Communication	15 March 2023 - 15 March 2025
Dr. Cielito F. Habito Chairman, Brain Trust: Knowledge and Options for Sustainable Development, Inc.	Economics	15 March 2023 - 15 March 2025
Dr. Ma. Concepcion C. Lizada Professor Emeritus, College of Home Economics, UP Diliman	Postharvest Physiology	15 March 2023 - 15 March 2025
Dr. Eero A.J. Nissila Managing Director and Chair, Newfields Consulting Ltd.	Plant Breeding and Genetics	15 March 2023 - 15 March 2025
Dr. Gil C. Saguiguit, Jr. Former SEAMEO SEARCA Director	Economics, Agricultural and Rural Development	15 March 2023 - 15 March 2025
Dr. Howarth Bouis Founding Director, HarvestPlus, and Emeritus Fellow, Foreign Policy Research Institute	Biofortification	15 March 2023 - 15 March 2025
Dr. Keijiro Otsuka Professor, Faculty of Economics, Kobe University	Agricultural and Industrial Development	15 March 2023 - 15 March 2025
Dr. Paul S. Teng Dean and Managing Director National Institute of Education International, Nanyang Technological Institute	Agricultural Systems Research	15 March 2023 - 15 March 2025
Dr. Shu-Jen Wang Professor Department of Agronomy, College of Bioresources and Agriculture, National Taiwan University	Plant Physiology	15 March 2023 - 15 March 2025
Dr. William G. Padolina Academician, National Academy of Science and Technology (NAST), Philippines and Former Deputy Director General, IRRI	Research Management and Science Policy	15 March 2023 - 15 March 2025
Dr. Rex Victor O. Cruz Professor Emeritus, Institute of Renewable Energy, College of Forestry and Natural Resources, UPLB, and Academician, NAST	Forestry and Natural Resource Management	15 March 2023 - 15 March 2025
Dr. Reiner Wassmann Former IRRI Senior Scientist and Climate Change Expert/Focal Person	Climate and Environmental Science	15 March 2023 - 15 March 2025
Dr. Ben S. Malayang III Professor Emeritus and Former President, Siliman University, Philippines	Environmental Policy and Governance	15 March 2023 - 15 March 2025
Dr. Emerlinda R. Roman Professor Emeritus and former UP System President	Agricultural Business Management	15 March 2023 - 15 March 2025
Dr. Eufemio T. Rasco, Jr. Academician, NAST	Plant Breeding	15 March 2023 - 15 March 2025
Dr. Eing Ming Wu Executive Director, Edu-Connect Southeast Asia Association	Management and Governance	1 March 2023 - 28 February 2025
Dr. Evangelyn Alocilja Professor, Department of Biosystems and Agricultural Engineering, Michigan State University	Biosystems and Agricultural Engineering, Biomedical Engineering	27 May 2024 - 27 May 2026
Dr. Manuel R. Reyes Adjunct Professor, Biological and Agricultural Engineering Department Kansas State University and President, Regalo ng Kilit Foundation Inc.	Biological and Agricultural Engineering	15 June 2024 - 15 June 2026
Dr. Tin Htut Deputy Minister, Ministry of Agriculture, Livestock, and Irrigation (MOALI), Myanmar	Plant Breeding and Genetics	20 June 2024 - 20 June 2026

Name and Affiliation	Field of Expertise	Appointment
Visiting Research Fellows (3)		
Dr. Robert Zimdahl Department of Agricultural Biology, Colorado State University	Agricultural Ethics; Conducted a Seminar-Workshop on Fundamentals of Research Ethics with the Programs staff and Office of the Deputy Director for Programs, SEAMEO SEARCA	22 September 2023 - 20 September 2023
Mr. Gil Gabriel Villancio SEAOHUN Fellow and Researcher, UPLB- School of Environmental Science and Management (SESAM)	One Health; Understanding the Enabling and Limiting Factors of the Swine and Poultry Industry for the Operationalization of One Health in Malaysia and Cambodia	23 October 2023 - 23 January 2024
Ms. Celine Ng Boon Yuan SEAOHUN Fellow and MSc Candidate, Universiti Sains Malaysia (USM)	Microbiology/One Health; Developed SEAMEO SEARCA's capacity-building initiatives on Eco health/ One Health in Agriculture and Rural Development	30 September 2023 - 20 December 2023
Adjunct Fellow (1)		
Dr. Rico C. Ancog Professor and Dean, UPLB-SESAM	Environmental Science and Management, One Health; ACIAR/ IDRC-funded project, Livestock Enhancement Through EcoHealth/ One Health Assessment in Southeast Asia (LiveHealth) – Philippines, Laos and Indonesia (Project 1) Livestock Enhancement through EcoHealth/One Health Assessment in Southeast Asia (LiveHealth) – Malaysia and Cambodia (Project 2)	13 April 2023 - 13 April 2025



Southeast Asian Regional Center for Graduate Study and Research in Agriculture
College, Los Baños, Laguna 4031 PHILIPPINES
Tel: (63 49) 536-2290, (63 49) 554-9331 to 9336, (63 2) 8657-1300 to 1302
Fax: +63 49 536 7097
Email: post@searca.org

www.searca.org