

AGENDA 4

Review of Activities

1. **Review of Activities**

(February – July 2023)

- i) HRD Activities**
- ii) Development Pilot Projects**
- iii) Regional Offices**



AGENDA 4

Review of Activities

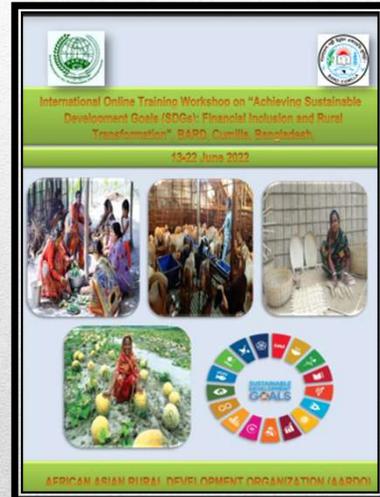
i.

HRD ACTIVITIES

(February – July 2023)



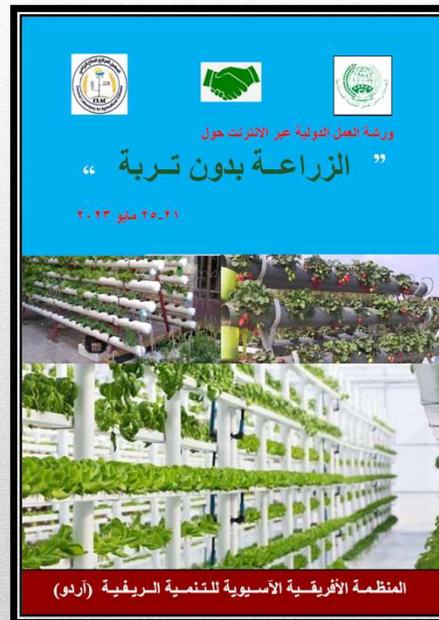
International Training Workshop on “Achieving Sustainable Development Goals (SDGs): Financial Inclusion and Rural Transformation”, Bangladesh Academy for Rural Development (BARD), Comilla, Bangladesh, 05-16 February 2023 (OFFLINE)



Total : 17 Participants
12 Member : Republic of China (Taiwan), Ghana, India, Jordan, Kenya, Namibia, Oman, Pakistan, Sudan, Tunisia,
Countries Zambia, and the host country Bangladesh



International Training Workshop on “Soilless Farming (Arabic Language)” Central Laboratory for Agricultural Climate (CLAC), Agricultural Research Centre (ARC), Cairo, Egypt, 21 - 25 May 2023 (ONLINE)



Total : 75 Participants
7 Member Countries : Iraq, Jordan, Morocco, Syria, Tunisia, Yemen, and the host country, Egypt
1 Eligible Country : Somalia



International Training Workshop on “Fruit Drying (Arabic Language)” Egyptian International Centre for Agriculture (EICA), Cairo, Egypt 04 - 08 June 2023 (ONLINE)



Total : 67 Participants

8 Member Countries : Iraq, Jordan, Morocco, Oman, Sudan, Syria, Tunisia, and host country Egypt.



**153rd Regular Session on “Land Policy for Rural Development – Net Zero and Sustainable Development (Advanced Course)”, International Centre for Land Policy Studies and Training (ICLPST), Taoyuan, Republic of China (Taiwan),
26 May –16 June 2023 (OFFLINE)**



Total : 1 Participant
Member Country : Jordan



Workshop on “Waste Management”
Taiwan International Cooperation Development Fund (Taiwan ICDF), R. O. China (Taiwan)
07-20 June 2023, (OFFLINE)



Total : 1 Participant
Member Country : Jordan



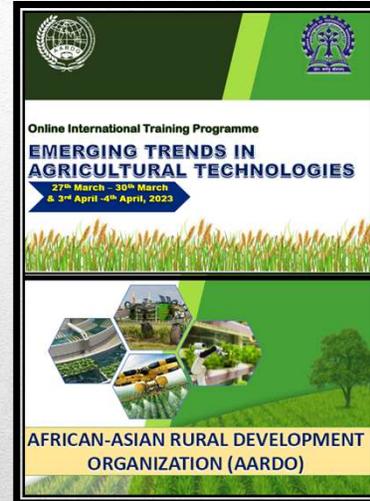
Workshop on “Green Supply Chains”
Taiwan International Cooperation Development Fund (Taiwan ICDF), R. O. China (Taiwan)
28 June – 11 July 2023, (OFFLINE)



Total : 2 Participant
Member Country : India and Malaysia



**International Training Programme on “Emerging Trends in Agricultural Technologies”,
Indian Institute of Technology Kharagpur (IIT-KGP), West Bengal, India
27 - 30 March and 03-04 April 2023 (ONLINE)**



Total : 219 Participants

26 Member Countries : Bangladesh, Burkina Faso, Republic of China (Taiwan), Egypt, Ethiopia, Gambia, Ghana, India, Iraq, Jordan, Liberia, Malawi, Malaysia, Mauritius, Morocco, Namibia, Nigeria, Oman, Pakistan, Palestine, Sri Lanka, Sudan, Syria, Tunisia, Yemen, Zambia.

5 Eligible Countries : Eritrea, Somalia, Tanzania, Turkey and United Kingdom.



International Training Programme on “Agricultural Biotechnology for Food Security and Sustainable Future”, Malaysian Agricultural Research and Development Institute (MARDI), Malaysia, 24-28 July 2023 (ONLINE)

The journey...

1995
Malaysian Biotechnology Policy

2005
NBP (2005-2020)

2010
BIOTEK MOSTI

2015
BiotechCorp & NBIM

2016
BEC

2018
BEC moved to MAFI

2022
BEC moved back to MOSTI
NBP 2.0

Formation of BIOTEK MOSTI
Ministry of Science, Technology and Innovation (MOSTI) formed National Biotechnology Directorate/Direktorat Bioteknologi Kebangsaan (BIOTEK) to monitor and coordinate the development of biotechnology in Malaysia

National Biotechnology Policy (NBP) 2005-2020

- To further develop 3 economic sectors: (i) agriculture, (ii) healthcare, (iii) industrial manufacturing
- Executed over 3 phases: Phase 1 (2005-2010) for capacity building; Phase 2 (2011-2015) on science to business; Phase 3 (2016-2020) to develop global business

- Malaysian Biotechnology Corporation (BiotechCorp) was formed to coordinate the implementation of NBP
- National Institutes of Biotechnology Malaysia (NIBM) with 3 biotechnology cooperative centres (BCC): i. Malaysia Genome & Vaccine Institute (MGVI) (formerly known as Malaysia Genome Institute (MGI) at Bangi, Selangor, ii. Malaysian Institute of Pharmaceuticals & Nutraceuticals (IPHARM) at Penang, iii. Agro-Biotechnology Institute Malaysia (ABI) at Serdang, Selangor

Rebranding of BiotechCorp

BiotechCorp was rebranded as **Bioeconomy Corporation (BEC)**, responsible for executing the objectives of NBP, to identify value propositions in R&D and commerce, and to support the ventures

National Biotechnology Policy 2.0

- To strengthen the existing biotechnology ecosystem and be the catalyst in resolving national challenges (food security, management of pandemics, climate change crises)
- To support policies i.e. National Science, Technology and Innovation Policy 2021-2030, The 4th Industrial Revolution, Agro-Food Policy (DAN 2.0) 2021-2030
- 5 emerging technologies expected to grow rapidly by 2050 are **green technology, nanotechnology, digital technology, neurotechnology and biotechnology**

Dr. Adrian Ling Cheng Kuang (MARDI)

Total : 125 Participants

20 Member Countries : Bangladesh, Burkina Faso, Egypt, Ethiopia, Ghana, India, Iraq, Jordan, Kenya, Liberia, Malawi, Malaysia, Mauritius, Morocco, Nigeria, Pakistan, Sri Lanka, Syria, Tunisia, and Zambia.

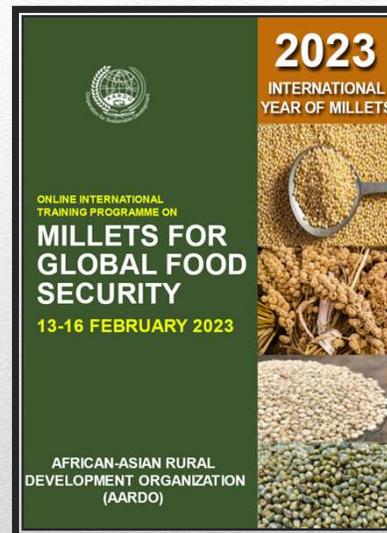
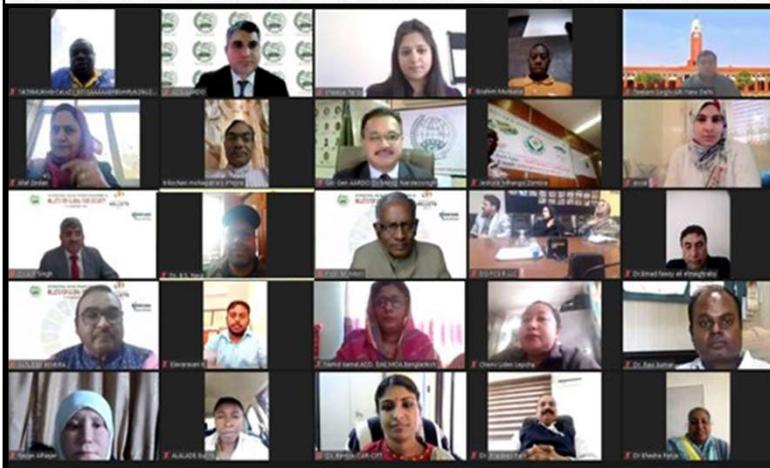
International Training Programme on “Climate Resilient Technologies for Sustainable Aquaculture Production in Developing Countries”, School of Agricultural Sciences, University of Zambia, Lusaka, Zambia, 20 - 24 June 2023 (OFFLINE)



Total : 10 Participants
10 Member Countries : Bangladesh, Eswatini, Jordan, Kenya, Malawi, Nigeria, Pakistan, Palestine, Sri Lanka, and host country Zambia



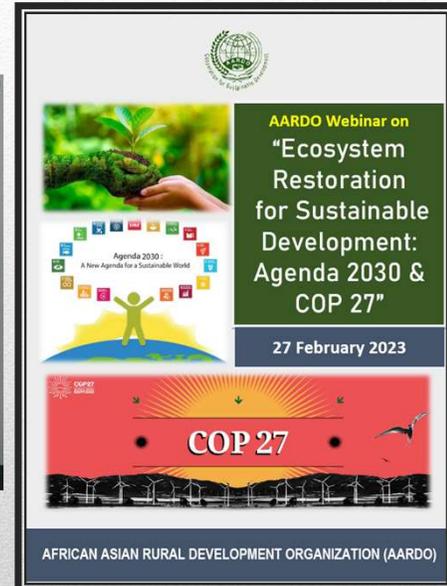
International Training Programme on “Millets for Global Food Security” on International Year of Millets 2023, AARDO Secretariat, New Delhi, 13-16 February 2023 (ONLINE)



Total : 230 Participants
25 Member Countries : Bangladesh, Burkina Faso, Egypt, Ethiopia, Eswatini, Gambia, Ghana, India, Iraq, Jordan, Kenya, Liberia, Malawi, Malaysia, Mauritius, Morocco, Nigeria, Oman, Pakistan, Sri Lanka, Sudan, Syria, Tunisia, Yemen, Zambia.
6 Eligible Countries : Indonesia, Niger, Saudi Arabia, Somalia, Turkey, Uganda.



AARDO Webinar on “Ecosystem Restoration for Sustainable Development: Agenda 2030 & COP 27”, AARDO Secretariat, New Delhi, 27 February 2023 (ONLINE)



Total : 195 Participants
23 Member Countries : Bangladesh, Burkina Faso, Egypt, Ethiopia, Gambia, Ghana, India, Iraq, Jordan, Liberia, Libya, Malaysia, Malawi, Mauritius, Morocco, Nigeria, Oman, Pakistan, Sri Lanka, Sudan, Syria, Tunisia, and Zambia

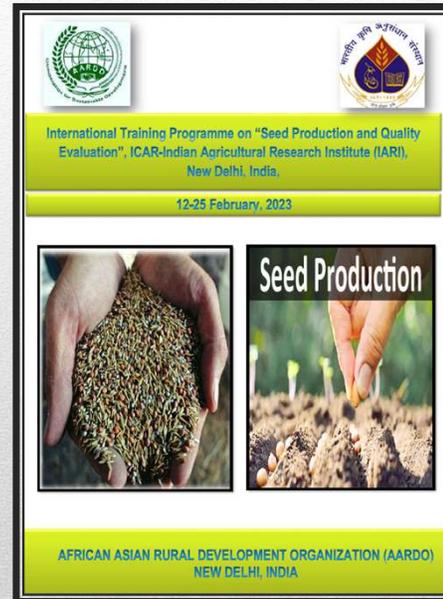


ADDITIONAL CONTRIBUTION BY THE GOVERNMENT OF INDIA TO AARDO



**The Government of India re-allocated the additional technical contribution of
US\$ 200,000 per annum for capacity building of participants from
AARDO member countries**

International Training Programme on “Seed Production and Quality Evaluation”, ICAR-Indian Agricultural Research Institute (IARI), New Delhi, India 12-23 February 2023 (OFFLINE)



Total : 10 Participants
10 Member Countries : Bangladesh, Republic of China (Taiwan), Jordan, Kenya, Morocco, Nigeria, Oman, Sri Lanka, Sudan, and Zambia.





MASTERS/POST-GRADUATE PROGRAMMES

**MASTER OF SCIENCE (MS) BY RESEARCH,
Indian Institute of Technology, Kharagpur, India
July 2023- June 2025**

AARDO-IIT KGP SCHOLARSHIP PROGRAMME

GENERAL ADMISSION GUIDELINES OF
**THE MASTER OF SCIENCE (MS)
BY RESEARCH PROGRAMME**



 **AFRICAN-ASIAN
RURAL DEVELOPMENT
ORGANIZATION (AARDO)**

 **INDIAN INSTITUTE
OF TECHNOLOGY
KHARAGPUR (IITKGP)**



Total : **03** Participants
3 Member Countries : Malawi, Kenya, Syria



**MASTER OF TECHNOLOGY (M. TECH),
Indian Institute of Technology, Kanpur, India
July 2023-June 2025**



African Asian Rural Development Organization



Indian Institute of Technology Kanpur



AARDO-IITK Scholarship Program

Guidelines for Admission to MTech Programs at IIT Kanpur



Total : **01** Participant
1 Member Country : **Ghana**



**MASTER'S /DOCTOR OF PHILOSOPHY (Ph.D.),
Indian Institute of Technology Bombay (IITB), India
July 2023-June 2025**



Total : **01** Participant
1 Member Country : Republic of China (Taiwan)





Feedback From Participants

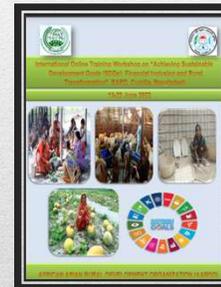


Online International Training Programme on “Achieving Sustainable Development Goals (SDGs): Financial Inclusion and Rural Transformation”, Bangladesh Academy for Rural Development (BARD), Bangladesh, 05-16 February 2023

I wish to express my sincere appreciation to the members of staff in BARD and AARDO for the warm hospitality and generosity that were shown to us. I have been to so many countries, but this one is a memorable place that I will always cherish. To all my fellow participants, I say thank you, You all have been so wonderful for the whole two weeks when we were together. May god bless you. I would also like to thank AARDO for giving me this opportunity to come and learn, especially the financial inclusion. **(Mr. Samuel Seth Ankoma Sey from Ghana)**

I would like to thank all AARDO & BARD Team members for organizing this wonderful and learned workshop. I would like to share my experience here; during my stay I observed that the hospitality and lodging facilities were well taken care of. The food was especially marvelous and in good variety. My sincere gratitude to the training team, especially Madam Azma and Mr. Annas Islam regarding AD Training and taking care of everything, scheduling every task and visit up to the mark. They took care of all participants and their requirements in a delightful manner. **(Mr. Isaac Mainye Mariera from Kenya)**

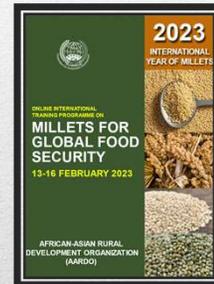
I wish to mentioned that such opportunities should come in handy as they helped us gain first-hand knowledge of other AARDO countries, coordination and collaboration with their representatives, and spending time with them broadened our views and developed a brotherhood feeling through such workshops. **(Mr. Suhail Ahmed from Islamic Pakistan)**



Online International Training Programme on “Millets for Global Food Security” on International Year of Millets 2023, AARDO Secretariat, New Delhi, 13-16 February 2023

I would like to express my sincere appreciation to the AARDO for providing me with this opportunity to enhance my skills”. She further highlighted the value of the training, mentioning, "The training was well-structured and covered a range of topics that were relevant and informative." She also emphasized the practical insights provided by knowledgeable trainers and the interactive nature of the sessions, which facilitated idea exchange and learning among participants. **(Ms. Aisha Darboe from Gambia)**

The training programme remained one of the enriching training programs organized by AARDO. It not only touched the agricultural growth of AARDO member countries, but also addressed the Global Sustainable Development Goals (SDGs), especially ending hunger, poverty and responsible consumption and production by harnessing climate action. The training remained relevant particularly to the needs of my country, Malawi, where we would want to add value within the production systems. Ideally, we would like to ensure that high value crops are produced, making them competitive to both the local and regional markets. Hence, the use of machines and other technological advances would enhance Malawi's ability to meet its expectations of eradicating hunger and poverty making it resonate with Malawi 2063. Therefore, I would like to openly say that the training was quite important and relevant. While the training provided such high-level opportunities, I would like to suggest having similar trainings associated with live tours to appreciate and engage high level commitment to replicate such and some of the good practices and technologies within and outside AARDO member countries to increase impacts. To sum up, the training was outstanding with the facilitation well delivered and organized. Thank you so much AARDO for such a wonderful opportunity. **(Mr. Chicco Daniel M Kayange from Malawi)**



**Online International Training Programme on “Emerging Trends in Agricultural Technologies”, Indian Institute of Technology Kharagpur (IIT-KGP), West Bengal, India,
27 - 30 March and 03-04 April 2023**

The training had given the opportunity for participants to learn and gain more knowledge on various topics that covered precision agriculture, food processing and food quality control, methods to produce food in a sustainable manner, intellectual property rights, and many more interesting topics that can be applied in our daily work so that farmers can benefit from what we have learned. **(Mr. Lucyana Anak Dominic Ritay from Malaysia)**

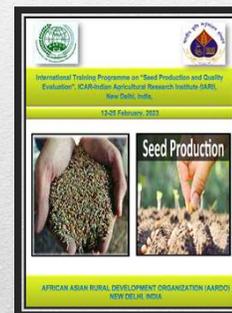
highlighted the valuable knowledge and experience she gained from the course, particularly in the technical aspects of solar power generation. Chandima expressed her hope for future training programs with a larger number of participants working in the field, emphasizing the benefits it would bring to countries like hers. **(Ms. Chandima Niluka Sewwandi from Sri Lanka)**

Throughout the training course, explanations and various solutions were provided to mitigate climate change by using solar energy. The training allowed us to learn about new technologies that could help in our country's efforts towards mitigating climate change. Abeer expressed anticipation for future trainings and the sharing of experiences, emphasizing the importance of continuous learning and knowledge exchange in addressing climate change challenges. **(Mr. Abeer Abdel Rahman from Palestine)**



**Offline International Training Programme on “Seed Production and Quality Evaluation”, ICAR-Indian
Agricultural Research Institute (IARI), New Delhi, India
12-23 February 2023**

For me the training was timely and rewarding. To all the sponsors, may God keep guiding and giving you wisdom to support such wonderful programs in seed science. This is so, because seed is the only key to human survival in food security. Through such trainings, our countries can uplift their well being and announce a big NO to starvation and malnutrition. To the Scientists, keep up with your marvelous work and we'll organized training programs. Looking forward to more training so that our colleagues can come and benefit. Your team-work, was excellent and was extended to the participants as well. Everything was well coordinated. Theory, practical's, student study tours as well as shopping, visiting wonderful places and allowing us to attend wedding in India was overall an excellent experience to us. It will remain in our memories forever. Very humbled to say your wonderful work will go a long way in our countries. Colleagues let's go and disseminate the wonderful skills and experiences in our countries. May God bless us all. The sky is the only limit. IARI. **(Mr. Jane Nambela from Zambia)**



**Offline International Training Programme on
“Climate Resilient Technologies for Sustainable Aquaculture Production in Developing Countries”,
School of Agricultural Sciences, University of Zambia, Lusaka, Zambia,
20 - 24 June 2023**

May I kindly take this opportunity to pass my heartfelt gratitude to the African-Asian Rural Development Organisation (AARDO), in collaboration with the Government of Zambia and the University of Zambia, School of Agricultural Sciences, on their well-organized International Training Programme. The training was an eye opener and well structured for all participants across the globe. As a newcomer on the Fisheries Industry, I have acquired a lot from this training. The participants, organizers and facilitators were all welcoming and this even added spice to the training and sharing of information during the course of the training. I have already started making further collaborations with officers from the Ministry of Agriculture in my country and we believe the aquaculture industry will benefit from such initiatives. Eswatini needed this training and needs more of such trainings as well as capital injection to assist local farmers who want to be in this industry. Thank You AARDO for being so diverse and considerate to the needs of our Countries. I look forward to having more informative initiatives for the benefit of the Kingdom of Eswatini. **(Mr. Gumedze Celumusa C. M., Eswatini)**

The knowledge and experiences I garnered during AARDO specialized programme on Climate Resilient Technologies for Sustainable Aquaculture Production has immensely impacted my professional capacity and skillset in promoting and advocating Climate Smart solutions among fisher-folks and aquaculture farmers in Nigeria to boost production significantly. Increased Investment in cage culture farming techniques as seen in Lake Mariba, Zambia will greatly enhance the farmed fish (aquaculture) output, create employment, improve farmers earning, and ensure Nation's food security in a sustainable approach” **(Mr. Ajibi Benson Ololade, Nigeria)**



**MASTER OF SCIENCE (MS) BY RESEARCH,
Indian Institute of Technology, Kharagpur, India
July 2023- June 2025**

I'm pursuing a Masters Degree by doing research in the Agricultural Systems and Management program at IIT Kharagpur. I'm honoured to have the chance to get this scholarship presented by the African Asian Rural Development Organization (AARDO) and ITT Kharagpur. The rest of this looks good. But you don't want to capitalize Soil and Healthy or Carbon. I believe that this chance will allow me to pursue my passion about Soil Science and achieve my goals in spreading awareness about healthy soil since soil is the direct resource for plant's nutrition as we are what we eat as well as the importance of reserving Soil Carbon to mitigate the effects global warming caused by releasing of Carbon from Soil. With the scholarship that covers tuition fees, accommodation as well as a monthly stipend and a one-time airplane trip, it will allow me to pursue what I dream of especially in these times of economic recession. **(Ms. Waad Mayhoub, Syria)**

I am honoured and pleased to have been offered the scholarship to study at one of the prestigious Universities in India, IIT Kharagpur. The scholarship was offered through the African Asian Rural Development Organization. It covers tuition fees, hostel fees, round trip air ticket and a stipend. I am pursuing my Masters degree by Research in Aquaculture Engineering. I know my studies here will help me improve my knowledge and skills in implementing one of my countries goals which is to have Sustainable Agriculture Development. Back in my country I work directly with smallholder farmers and am confident that my studies here will help impart knowledge to the farmers and hence improve their livelihood and social economic status through advanced technologies i will learn here and through the integration of fish farming in irrigation schemes in Malawi **(Ms. Sophret Tsogolan, Malawi).**

What an honour! its indeed amazing once again in such an evolving world to be granted an opportunity perhaps to still define it. My enthusiasm and ambitiousness cannot hesitate to credence the African Asian Rural Development Organization (AARDO) in hand with Indian Institute of Technology Kharagpur (IITKGP) to offer me a generous scholarship award. My gratitude to this inter-governmental rural uplifting movement to conquering poverty and spearheading -agricultural stability for the AFRICAN-ASIAN stakeholders. It definitely a golden opportunity for me to give back not only to my community but my nation at large. I am pursuing a MS (by research Program) in the department of agriculture and food engineering department, exploring and practicalizing my interest in automation am looking forward to obtaining a solid and concrete practical knowledge in modernizing agricultural systems grounded in artificial intelligence , giving a definite foreshadowing of the future agricultural and food security cutting across agricultural systems and bridging the gap between land practices, weather forecast and the whole aspect of food processing and production at large. All this aimed at making humanism comfortable and well catered for. Thank You ARRDO, IIT KGP for trusting me. BLESSINGS.**(Mr. Ronald Deche Mwandonga, Kenya).**

**MASTER OF TECHNOLOGY (M. TECH),
Indian Institute of Technology, Kanpur, India
July 2023-June 2025**

I am a Ghanaian and a beneficiary of a full scholarship program under the MoU between African Asian Rural Development Organization (AARDO) and the Indian Institute of Technology Kanpur (IITK). I am currently pursuing M.Tech program for two years with the department of Sustainable Energy Engineering at the Indian Institute of Technology Kanpur (IITK) in India. This is a great opportunity for me to be part of this highly globally recognized educational institution to have a higher education to acquire skills and knowledge that puts my academic status and skills set on an international pedestal and for this i am very much grateful. This program will help me to understand and tap into new technologies relating to how sustainable renewable energies can be harnessed and factored in isolated localized smart micro grids dedicated to established irrigation systems at an affordable rates for farm villages to tackle food security as a result of changing weather patterns relating to prolonged drought periods. I am hopeful and confident that on completion of this program i would be a great asset to my country, Africa and the globe to contribute immensely in the area of sustainable agricultural engineering and policies. i would like to thank AARDO and IIT-Kanpur for granting me this great opportunity. THANK YOU.

(Mr. Prince Dzidzor Yaw Banini, Ghana).



**MASTER'S /DOCTOR OF PHILOSOPHY (Ph.D.),
Indian Institute of Technology Bombay (IITB), India
July 2023-June 2025**

I am MBA student for 2 years in Indian Institute of Technology Bombay Shailesh J. Mehta School of Management. I am the only one student in 200 students, also be awarded by AARDO-IIT scholarship with Taiwan Government's recommendation. As I am fluent in English, Hindi and Chinese, I am able to become a bridge between Taiwan and India as well as to connect with other countries. My subject is to focus on the agricultural economics and innovative online platforms. This will be helpful to farmers in agriculture business. Hopefully I can use the powerful Taiwan AI technology in agriculture to cooperate with farmers. **(Mr. Shang Bo Wang, Republic Of China (Taiwan))**



STUDY VISIT PROGRAMME

High-Level Delegation from Pakistan to Egypt, 12- 17 March 2023



Total : Two High Level Delegates
Country : From Pakistan to Egypt



STUDY VISIT PROGRAMME

Smart Agriculture Policies and Programmes of Republic of China (Taiwan), 11-17 June 2023



Total : 15 Participants
10 Member : Bangladesh, Eswatini, Gambia, Ghana, Jordan, Kenya, Republic of Korea,
Countries : Malaysia, Nigeria, and Zambia, including a Senior Officer from AARDO.

STUDY VISIT PROGRAMME

Setting up of Mini-Fruit Processing Plants and Shrimp Farming, 09-16 July 2023



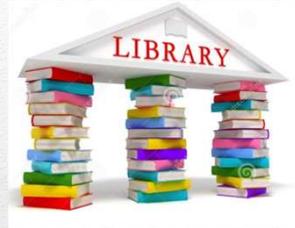
Total : Three High Level Delegates
Country : From Mauritius to India



DISSEMINATION OF INFORMATION



www.aardo.org



OFFICIAL LANGUAGES : ARABIC, ENGLISH AND FRENCH



DEVELOPMENT PILOT PROJECTS

Project on
“RURAL WOMEN EMPOWERMENT REVOLVING FUND”, JORDAN



DEVELOPMENT PILOT PROJECTS

Project on

“INITIATIVES FOR COMMERCIAL BREADFRUIT PRODUCTION IN SRI LANKA”, SRI LANKA



DEVELOPMENT PILOT PROJECTS

Project on

“KAFUES YOUTH RESOURCE CENTRE- AQUACULTURE DEVELOPMENT IN ZAMBIA”, ZAMBIA



REGIONAL OFFICES OF AARDO



**FAR EAST,
R O KOREA**



**SOUTHERN AFRICA,
ZAMBIA**



**WEST AFRICA,
GHANA**



**MIDDLE EAST
JORDAN**



**SOUTH AND CENTRAL
ASIA, PAKISTAN**



**NORTH AND
EASTERN
AFRICA, EGYPT**

