



BARC

Newsletter

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World Food Day 2023



Inauguration of the World Food Day 2023 by Hon'ble Food Minister Mr. Sadhan Chandra Majumder

World Food Day 2023 was observed on 16 October 2023 in Bangladesh throughout various programmes. The theme of the day was **Water is life Water is food. Leave no one behind.** Marking the day, the Ministry of Agriculture initiated different events including international seminars, public awareness-raising activities, etc. An international seminar was organized at the Bangladesh Agricultural Research Council (BARC) auditorium, Dhaka. Mr. Sadhan

Chandra Majumder, MP, Minister, Ministry of Food graced the seminar as the chief guest and inaugurated the programme. Mrs. Wahida Akter, Secretary, Ministry of Agriculture presided over the function. Md. Ismiel Hossain ndc, Secretary, Ministry of Food, Mr. Arnoud Hameleers, FAO Representative ad interim in Bangladesh, Dr. Rudaba Khondker, Country Director, Global Alliance for Improved Nutrition (GAIN), and Mr. Jalal Ahmed, Additional Secretary, MoA were

present at the event as special guests. There was a technical session where Dr. M. Shahjahan Mondal, Professor, Institute of Water and Flood Management, Bangladesh University of Engineering and Technology (BUET) was the keynote speaker of the session. Officers from the Ministry of Agriculture, Ministry of Fisheries and Livestock, and Ministry of Food were also present at the occasion.

Field Day Event: Validating Fertilizer Recommendations through the 'Khamari' Mobile App

A Field Day event was organized on the occasion of crop cutting (BRRI dhan103) of the demonstration trial plot featuring Aman rice, located in Musuddi union of Dhonbari upazila

under Tangail district on 3 November 2023,. The event was graced by Hon'ble Minister for Agriculture Dr. Mohammad Abdur Razzaque, the chief guest, while the

Hon'ble Secretary of MoA Mrs. Wahida Akter chaired the programme. The Additional Secretary (PPC) from the MoA, Executive Chairman of BARC and



Field Day Event on Khamari Mobile App

the Chairman of BADC, the Director Generals of DAE, BARI, BRRI, BJRI, and SRDI along with the Executive Director of KGF, and other prominent officials from BARC, DAE, and NARS institutes, as well as personnel from the Crop Zoning Project, also attended this significant field day event. About 600 local male and female farmers attended the programme. The Director General of BRRI delivered the welcome address. The

Coordinator of the Crop Zoning Project, Dr. Md. Abdus Salam talked about the ‘Khamari’ App. Subsequently, the Executive Chairman of BARC, Chairman of BADC, Director General of DAE, BARI, BRRI, BJRI, and SRDI, and a representative from the farming community also spoke during the significant occasion.

Dr. Mohammad Abdur Razzaque said that under the leadership of Prime Minister Sheikh Hasina,

Bangladesh's success in agricultural production is now globally recognized. Bangladesh has emerged as one of the top ten countries in various crop production. Acknowledging the effectiveness of Khamari app developed by BARC, the Agriculture Minister said, The app contains all the information such as kinds of crops to be produced in a specific plot or land, how much fertilizer and seeds required.

Service Tenure Extension of BARC Executive Chairman

Dr. S M Bokhtiar’s tenure in govt. service has been extended by one year appointing him as Executive Chairman of BARC in recognition of his contribution to the agriculture research and development.

Member Directors, Directors, Scientists, officers, and staff expressed their gratitude and offered him floral greetings for his service extension.



Floral Greetings to Dr. S M Bokhtiar on his Service Extension

Bioinformatics Training program

OMICS Food and Nutritional Security (OFANS) is a joint initiative between BARC and the Global Institute for Food Security (GIFS), Canada. Plant genomics and phenomics for breeding is one of the research themes in OFANS. This programme aims to educate students, post-docs, technicians, and researchers in Bangladesh. GIFS hosted two sets of Introduction to Linux and Introduction to R training sessions to establish as part of bioinformatics training in February and May 2023, respectively, attended by 33 participants on the Zoom platform.



Closing Ceremony of Bioinformatics Training Programme

A followup bioinformatics training program was held at BARC on October 23-25, 2023, for the participants who had already been nominated by their respective institutions. The program's goal was to teach participants more practical Linux applications. The two-day training was jointly organized by GIFS and BARC. The courses emphasize the use of cutting-edge

statistical genomics technology and bioinformatics tools. Dr. S. M. Bokhtiar, Executive Chairman, BARC, inaugurated the training program on October 23, 2023, in favor of participants.

The training sessions were led by Mr. Kevin Koh, Platform Lead, Data Management and Analytics Group, GIFS, and Dr. Andrew

G. Sharpe, Bangabandhu Research Chair in Food Security at GIFS. Additionally, Drs. Raju Chowdhury and Nadeem Khan, Research Fellows at GIFS in Canada participated virtually in the two-day training program as resource individuals. Thirty-three participants took part in the face-to-face training session.

Workshop on Deconstruction of Smart Bangladesh

The Computer and GIS Unit of BARC organized a day-long workshop on the *Deconstruction of Smart Bangladesh*. The workshop was taken place on 30 November 2023 at BARC. A total of sixty-four scientists and officers of the Council attended the programme.

The event started with a welcome address from Mr. Hasan Md. Hamidur Rahman, Director, Computer and GIS unit. Dr. Md. Mosharraf Uddin Molla, MD (AERS) chaired the workshop. The Executive Chairman of BARC Dr. S M Bokhtiar was present as chief guest.

Quazi Abdur Rayhan, Deputy Secretary, MoA, Mr. Abu Saleh Md. Mahfuzul Alam, Consultant



Dr. S M Bokhtiar, EC, BARC Delivering Speech as Chief Guest at the Workshop

(Deputy Secretary) a2i and Mr. Hasan Mahmud discussed Smart Bangladesh Vision: Pillars, Areas of Smart Bangladesh, related advanced technologies and preparing action

plans and the role of smart agriculture in building a smart Bangladesh and BARC's role in this regard.

Training on D-nothi

Training on D-nothi the updated version of e-nothi was held on 4-5 December 2023 in two batches at BARC computer training lab. The Computer and GIS Unit organized the training. A total of 30 BARC scientists/officers attended the training in each batch. The programme was presided over by Dr. Md. Mosharraf Uddin Molla, MD (AERS). The Executive Chairman of BARC Dr. S M Bokhtiar was present as the chief guest and inaugurated the training programme. Mr. Hasan Md. Hamidur Rahman, Director, Computer and GIS unit delivered the welcome speech in the training. Mr. Mazedul Alam Maahi, Programme Assistant E-File, a2i, Md. Al Mobasher Hussen, Principal Training Officer, Manpower and Training Unit, BARC and Md.



Hon'ble Guests of the Inaugural Session on D-nothi

Hanif, System Analyst, Computer and GIS Unit, BARC attended the programme as a resource speaker and conducted the technical sessions. The training aimed to develop the digital paperless filing

skills of the participants to ensure greater efficiency, transparency, accountability, and better service delivery in performing official tasks.

Review Workshop on BARC's Citizen Charters

Manpower & Training Unit and Citizen Charter Update Committee of BARC organized a review workshop on *Citizen Charters* at BARC on November 20, 2023. The objective of the workshop was to review services for updating the citizen charter. The event was inaugurated by Dr. S M Bokhtiar, EC, BARC. As the chief guest, he emphasized that the staff must ensure transparency and accountability while delivering services to citizens. He added that everyone should have a citizen-friendly mentality.



Dr. S. M. Bokhtiar, EC, BARC, Inaugurated the Review Workshop on Citizen Charter

The technical session was presided over by Dr. Md. Saifullah, MD (A&F), Dr. Md. Baktear Hossain, MD (NRM), and Dr. Nazmun Nahar Karim, MD (Livestock) of BARC, were present as discussants. Mr. Md. Al Mobasher Hussen, Principal Training Officer and Focal Point Officer of Citizen Charter briefly highlighted the importance of the

programme. Mr. Md. Mustafizur Rahman, Director, Manpower & Training presented a paper on citizen charter guidelines and the work plan for 2023-24 by the Cabinet Division.

The session chair requested all divisional and unit Heads of BARC to submit all possible services for inclusion in the citizen charter. A

fruitful discussion was held in the programme where the participants exchanged their views and ideas. Finally, it was decided to take the necessary steps to include new and updated services proposed by different divisions and units in the BARC's Citizen Charter. In relation to the above, the BARC Citizen Charter Update Committee will take the necessary actions.

Review Workshop on Matured Technology Developed by NARS Institutes

Technology Transfer and Monitoring Unit (TTMU), BARC organized a review workshop on *Matured Technology Developed by NARS Institutes (2020-21 to 2022-23)* held on 6-7 December 2023 at BARC. Expert, representatives from NARS institutes, extension organizations viz. DAE, DoF, DLS, BADC participated the workshop. The inaugural session was chaired by Dr. Md. Abdus Salam, Member Director (Crops). Dr. Suraya Parvin, Director, TTMU, BARC delivered a welcome address. The chief guest of the inaugural session, Dr. Shaikh Mohammad Bokhtiar, Executive Chairman, BARC extended his warm wishes to all the guests and participants of the workshop. He stressed the unprecedented success of agricultural production in the country. He also urged the attention in research for the food security of the country.



Dr. S M Bokhtiar, EC, BARC, Inaugurating the Programme

A total of 302 matured technologies were presented by 13 NARS institutes. Dr. Md. Abdur Razzaque, Former Executive Chairman, BARC was the Chairperson of the Technical Session I & II. On the first day (06.12.23) BARI, BINA, BWMRI, BSRI, and on the next day

(07.12.2023) BRRI, CDB, SRDI, BFRI (Fisheries), BFRI (Forest), BLRI, BSRTI, BFRI, BJRI representatives presented technologies in technical session I & II respectively. Expert members provided their valuable suggestions.

Training on Food Utilization, Quality Processing, and Preservation Techniques of Agro-Products at Household Level



Hon'ble Guests and Participants

A three-day long training entitled *Food Utilization, Quality Processing and Preservation Techniques of agro-products at household level* held on 29-31 October 2023 at BARC was organized by Nutrition Unit, BARC.

Dr. S M Bokhtiar, Executive Chairman, BARC was present as chief guest, Mr. Ajit Kumar Chakraborty, Member Director (Fisheries) was present as special guest while Dr. Mohammad Rafiqul Islam, Director, Nutrition Unit,

BARC chaired the inaugural and closing session.

In the training programme, 15 technical sessions were conducted by the Scientists of BARC, BARI, and BSTI where thirty

entrepreneurs of Joyeeyta Foundation, Hortex Foundation, and BD Mushroom attended the programme as trainees. The resource speakers provided lectures

on conservation techniques aiming to reduce agricultural product waste as well as packaging laws and regulations. They also discussed the utilization of agricultural products

and quality processing at the home level. Participants were recommended to place more focus on hands-on learning and longer training sessions.

Training Programme on Potentiality of Unconventional Fisheries Resources and Farming in Bangladesh

A training programme entitled *Potentiality of Unconventional Fisheries Resources and Farming in Bangladesh* was organized by the Fisheries Division, BARC on October 25-26, 2023 at BARC. The inaugural ceremony of the training programme was graced by Dr. S M Bokhtiar, Executive Chairman, BARC. Dr. Mohammad Rafiqul Islam, Director, Nutrition Unit, BARC, chaired the event.

The training programme was attended by participants from Bangladesh Fisheries Research Institute, Department of Fisheries, Department of Environment, Department of Forest, Bangladesh Fisheries Development Corporation, and non-government institutions. The programme highlighted the overlooked potential of unconventional fishery resources

in Bangladesh. Addressing the nutritional demands of individuals and simultaneously contributing to the national economic growth through the development of trade in

non-traditional fishery products were emphasized. At the end of the training, participants were awarded certificates.



Dr. S M Bokhtiar, EC, BARC, Inaugurating the Programme

Coordination Meeting for GAP Pack House Development

The GAP Unit at BARC organized two consecutive coordination meetings for *GAP Pack House Development* on December 10th and 17th, 2023, at BARC, with representatives from DAE, BADC, and BARI in attendance. In-depth discussions on pack house facilities from various nations and localities were extensively held, covering establishment and amenities in the current pack house. A total of 15 pack houses will be established under the PARTNER project by the GAP Unit at BARC. A draft layout prepared by the GAP Unit at BARC has been initially selected, and Mr.



Coordination Meeting for GAP Pack House Development

Mirza Tosaddeque Hossain, Executive Engineer at BARC, has been assigned to develop a further layout based on this one. The Executive Engineer presented the updated layout at the second meeting on December 17th. A

decision has been made to hire an engineering firm to handle the details. The location of the pack house should be chosen carefully, ideally on government-owned property or by a large progressive

farmer. It should also be ensured that other farmers in the locality can use the pack house. It has been determined that the local Upazilla Agriculture Office will manage each packing house.

15th Agricultural Technology Extension Coordination Committee Meeting

15th ATECC (Agricultural Technology Extension Coordination Committee) meeting was held at BARC on 11 October 2023 for Robi Season. Dr. S M Bokhtiar, EC, BARC chaired the meeting. Mr. Badal Chandra Biswas, DG, DAE was the Co-Chairman of the committee. The meeting included the participation of Director Generals of BRRI, BJRI, BWMRI, and Director of SCA. Mr. Md. Tajul Islam Patwary, Director, Field Service wing was also present. Mr. Patwary presented the work plan for the Robi crop demo of 2023-24. He highlighted the implementation of Shomoloy crop cultivation using Alternative Wetting and Drying (AWD) technology and Khamari Mobile Apps in 61 districts.

A decision was made during the meeting to form a central committee comprising representatives from DAE, BRRI, and BADC.



Participants and Members on ATECC Meeting

Additionally, a regional committee will be established with the members from these three institutes. The participants included representatives from various institutions under the National Agricultural Research System

(NARS), such as BARC, BARI, BINA, BSRI, BJRI, CDB, and SRDI as well as stakeholders from DAE, DAM, BADC, AIS, BIRTAN, SCA, Hortex Foundation.

Coordination Meeting on the Development of GAP Protocol for Production Technology

The GAP Unit at BARC is actively involved in the PARTNER project for the development and validation of GAP protocols. Two consecutive meetings were conducted on 4 and 6 December 2023 at BARC to focus on the *Development and Validation of the GAP Protocol*. Scientists nominated by BARI presented the production methods for ten crops - mango, jackfruit, guava, brinjal, potato, cabbage, pointed gourd, bottle gourd, yard long bean, and green papaya. In addition to presenting, they actively participated in discussions, alongside pathologists and



Coordination Meeting for Production Technology of GAP Protocol Development

entomologists. The presented production technologies will be integrated with the Bangladesh

GAP standard to formulate the comprehensive GAP protocol.

Tenth Session of the Governing Body Meeting of ITPGRFA

Md. Abdus Salam, Member Director (Crops), Bangladesh Agricultural Research Council and National Focal Point (NFP) of ITPGRFA, Bangladesh attended the *Tenth Session of the Governing Body meeting of the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA)* held in Rome, Italy during 18-24 November 2023. A total of 151 contracting parties attended the meeting. The session was preceded by two days of regional and inter-regional consultations. The GB-10 theme of “From Seeds to Solutions Safe Guarding our Future: Working together with the Global Biodiversity Framework for Sustainable Food Systems. Dr. Salam made a Regional Statement



Dr. Md. Abdus Salam, MD (Crops) Delivered the Statement on Chairperson's Report

on behalf of the Asia Region on the Chairperson's report. Besides Bangladesh attended Budget Committee meetings as a member of the Asia region and was also

selected as a member of “Conservation and Sustainable Use of Plant Genetic Resources for Food and Agriculture”.

Training Programme on Human Resource Management

Manpower and Training Unit, BARC, organized an in-house training programme on *Human Resource Management* from December 30 to 31 at BARC. A number of 60 officers in BARC were present as participants. The objective of the training programme was to enrich participants' knowledge and understanding of various issues in human resource management. The training programme was inaugurated by the chief guest, Dr. Md. Saifullah, Member Director (Admin & Finance), BARC. The inaugural session was presided over by Dr. Kabir Uddin Ahmed, Member Director (Planning & Evaluation), BARC. The welcome remark was delivered by Md. Mustafizur Rahman, Director (Manpower & Training), BARC. Md. Al Mobasher Hussien, Principal Training Officer,



Dr. Md. Saifullah, MD (A&F), BARC Delivering Speech

BARC, as course coordinator briefly highlighted the importance of the programme at the beginning of the inaugural session. Resource persons were from the Graduate Training Institute (GTI), Bangladesh Agricultural University

(BAU), and Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU). Certificates were awarded after the successful completion of the training programme.

Training on IoT Based Precision Agriculture for Sustainable Production

The Agricultural Engineering Unit organized a three-day training program on *IoT-Based Precision Agriculture for Sustainable Production* was held at BARC during 17-19 October 2023. Thirty participants from NARS institutes (BARC, BARI, BRRI, BINA, BSRI, BJRI, SRDI, and CDB), BADC, BMDA, DAE, BAU, SAU, and BSMRAU attended the training. Renowned scientists, educators, and experts from different government and private organizations and universities delivered fifteen enlightening lectures on diverse topics, emphasizing IoT-based sensors, artificial intelligence, machine learning, cloud computing, infrastructure design, adoption, profitability, opportunities, challenges, and the overarching plans & policies of IoT-based precision agriculture in Bangladesh. The inaugural session presided over by Dr. Md. Baktar Hossain, MD (NRM) at BARC, upheld the significance of training as a nexus for knowledge exchange and skill



Pictorial View of the Training Programme

enhancement. He emphasized the pivotal role of IoT-based precision agriculture in shaping the future of smart agriculture in Bangladesh by 2041. Dr. Nazmun Nahar Karim, Member Director (Livestock) at BARC, graced the occasion as the chief guest, highlighting the transformative potential of smart technology in crop production and emphasizing the importance of harnessing the technology for precision agriculture to ensure a

sustainable and resilient future.

The closing session, attended by Dr. Nazmun Nahar Karim as the chief guest, featured the distribution of certificates to the trainees and concluded with her insightful remarks. The training programme marked a crucial milestone in fostering knowledge and expertise in the realm of IoT-based precision agriculture for sustainable and forward-thinking smart agricultural practices in Bangladesh.

Training of Trainer's (ToT) Programme on Oil Seed Crops Technology



Training of Trainer's (ToT) Programme on Oil Seed Crops Technologies at BARI, Gazipur.

Bangladesh Agricultural Research Council (BARC) and Bangladesh Agricultural Research Institute (BARI) was jointly organized a trainer's training program on the

Technology of Oil Seed Crops at BARI Gazipur on 22 November 2023. Thirty individuals from BARI and the Department of Agricultural Extension (DAE) took part in the

full-day training session. The chief guest for the trainer's training was Dr. Debashis Sarker, Director General of BARI and the event was facilitated by Dr. Md. Tariqul Islam,

Director of Training and Communication at BARI. Dr. Suraya Parvin, Director, TTMU gave the welcome address. The BARI scientists served as the program's resource speakers. A productive dialogue took place between the participants and the

researchers. The participants discussed several issues related to the cultivation of oil seeds and the recommended that BARI technologies should be shared to various AEZ. Training programs of such category spread of technology as a two-way communication tool.

The participants also suggested that BARC should conduct this sort of training at a different location in order to strengthen the link between research and extension. After successful completion of the training certificates were given to the participants.

Training on Cyber Security

The Computer and GIS Unit of BARC organized a day-long in-house training on *Cyber Security*. The training programme was held on 14 November 2023 at BARC. A total of sixty-three scientists and officers of the Council attended the training programme.

The workshop was presided over by Dr. Md. Mosharraf Uddin Molla, Member Director, AERS Division. The chief guest was Dr. Nazmun Nahar Karim, Member Director, Livestock Division. Mr. Hasan Md. Hamidur Rahman, Director of Computer and GIS unit delivered the welcome remarks. Five resource speakers from renowned institutes presented lectures on Key principles and initiatives for Efficiency and



Mr. Hasan Md. Hamidur Rahman Delivering Speech

Cybersecurity public sector, Safe, responsible, and ethical use of the digital world including Cybersecurity, Best practices and strategies for Cybersecurity in the private sector, E-mail and data

security of BARC, and Social Engineering: Attacks and Defense. The participants actively participated and enjoyed all the sessions.

Annual Workshop on Forestry and Agroforestry in Bangladesh: Research Review 2022-23 and Research Planning 2023-24

The Annual Workshop on Forestry and Agroforestry in Bangladesh: Research Review 2022-23 and Research Planning 2023-24 was held on October 11-12, 2023, at BARC under the chair of Dr. Md. Bakhtiar Hossain, Member Director (NRM Division). At the outset of the workshop, Dr. Md. Saifullah, Member Director (A&F) and Chief Scientific Officer (Forestry) offered the welcome address. The distinguished Special Guest, Dr. Md. Ismail Hossain, Director, BTRI, Moulvibazar, and Dr. Md. Mahbubur Rahman, Divisional Officer, Bangladesh Forest Research Institute, Chattogram,



Expert Members of the Workshop

delivered their speeches. There were 80 participants from different organizations in attendance at the workshop. Based on the presentation of BFRI and different NARI (e.g., BARI, BRRI, BSRI,

BTRI, and BJRI), certain questions were thoroughly examined, and some comments and ideas for improving research planning were made. Dr. Md. Bakhtiar Hossain delivered his concluding remarks.

Inception Workshop on Asia Regional (FAW) and BPH Diagnostics and Monitoring and Surveillance Program

An inception workshop on *Asia FAW and BPH Diagnostics and Monitoring and Surveillance Program* was held at BARC on 28 December 2023. The goal of the workshop was to evaluate the research project plan and activities for the FAW and BPH under the Asian Food & Agriculture Cooperation Initiative (AFACI), which was funded by the Rural Development Administration (RDA) in the Republic of Korea and operated from 2023 to 2027. The workshop featured the participation of scientists from BARI, BRRI, BWMRI, academicians from BAU, BSMRAU, SAU, PSTU, and high officials from DAE. They opined valuable insights and suggestions to guide the formulation of the future research activities. The session was graced by Dr. S M Bokhtiar, EC, BARC as the chief guest. Dr. Md. Abdus Salam, Member Director



Inception Workshop on Asia Regional (FAW) and BPH Diagnostics

(Crops), BARC, chaired the session. Dr. Md. Mahfuz Alam, Principal Scientific Officer (Crops), BARC, and principal investigator, "Asia FAW and BPH Diagnostics and Monitoring and Surveillance Program" Bangladesh part welcomed the participants and provided an overview of the project. Under the BARC coordination, BRRI, BARI and BWMRI will implement the project.

Dr. Bokhtiar mentioned that Bio pesticide should be added in the treatment. Miscellaneous budget allocation should be minimized whereas the number of training may be increased. A collaborative project also should be developed including BARC, BARI and BRRI for surveillance and monitoring of insect pests and diseases arising from climate change issues.

Post-harvest Food Safety Training for Module 1 and Module 2

Two sets of Post-Harvest Food Safety Training for Module 1 (general food safety and hygiene) and Module 2 (safe food handling) were completed under Theme 4.4 (Postharvest Food Handling and Processing in Bangladesh) of the OFANS Project. The online training programme was organized by BARC and GIFS with the technical assistance of the National Research Council (NRC) and the Saskatchewan Food Industries Development Centre (SFIDC), Canada.

Erin Hiebert, Food Safety & Skills Development Manager, SFIDC conducted an online training programme on Module 1 and Module 2 on October 18–19, 2023, and October 30-31, 2023, respectively. The selected twenty-five participants from NARS institutes (BARC, BARI, BRRI); DAE, Hortex Foundation; Academia (BAU, BSMRAU, SAU); Representatives of the Food Processing Industry NGO (BRAC); and Small-Scale Processors &

Entrepreneurs (Swapno Bunon) joined a two-batch online training programme. With the assistance of GIFS, NRC, SFIDC, Canada, and BARC, Hortex Foundation, Bangladesh, the unique type of trainer package is helpful in Bangladesh for building the capacity of different stakeholders in postharvest food handling, processing, and the food value chain.

Workshop on the Asia Regional FAW and BPH Diagnostics and Monitoring and Surveillance Program (PMP+)

At the workshop on the Asia Regional FAW and BPH Diagnostics and Monitoring and Surveillance Program (PMP+) held in Ha Noi, Vietnam from December 4-6, 2023, Dr. Md. Mahfuz Alam, Principal Scientific Officer, Crops Division, BARC, was present. The workshop was organized by Plant Protection Research Institute (PPRI) in association with ASIAN FAW Action Plant, funded through Asian Food and Agriculture Cooperation

Initiative (AFACI). The agenda was tentative protocol development of surveillance, monitoring and management of BPH and FAW. The session included in-depth topics such as genomics, molecular diagnostics of beneficial insects, and BCAs for viruses, bacteria, and nematodes. In addition, field trips were held at PPRI to observe the model presentation of FAW and BPH. The session included in-depth topics such as genomics, molecular

diagnostics of beneficial insects, and BCAs for viruses, bacteria, and nematodes. In addition, field trips were held at PPRI to observe the model presentation of FAW and BPH.

The activity was an excellence opportunity to exchange ideas as well as ensuring the continuing efficient coordination of all of us in our respective initiatives.

The BARC Newsletter is published quarterly by Bangladesh Agricultural Research Council (BARC) to provide news and information on agricultural research and development of the NARS and other concerned organizations in Bangladesh.

Any query concerning the Newsletter or its contents, comments and suggestions for our Endeavour would highly be appreciated.

Compiled and Edited by : **Dr. Kabir Uddin Ahmed**, Director
Dr. Susmita Das, Principal Documentation Officer
Dr. Mst. Sufara Akhter Banu, Senior Scientific Editor
Md. Saimum Hasan, Information Officer

Design : **Mohammad Nazmul Islam**, Graphics Designer
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Website: www.barc.gov.bd

Illustration & Print : Generation PPA, Dhaka, Cell: 01819 230291



BANGLADESH AGRICULTURAL RESEARCH COUNCIL

New Airport Road, Farmgate, Dhaka-1215