



Training / Workshop Conducted during 2021 – 2022

A) Hands-on training programme on “Fish Breeding, Freshwater Pearl Culture and Fish Nutrition & Feeding Management” (February 14, 2022)

A one-day training programme on “Fish Breeding, Freshwater Pearl Culture and Fish Nutrition & Feeding Management” has been jointly organized by the Nature Environment and Wildlife Society (NEWS) and Binoy Krishna Choudhury Rural Technology Centre (BKCRTC) of The University of Burdwan (BU) on February 14, 2022 at Takipara, Balagarh, Hooghly.

Altogether, 34 students of M.Sc. (Semester - IV) from the Department of Zoology, The University of Burdwan took part in this training programme. The trainees were undergone hands-on training on induced breeding technique by injecting synthetic GnRH hormone to the common carp, *Cyprinus carpio*; and technique for nucleus insertion in the mantle cavity of freshwater mussel, *Lamellidens marginalis*. Further, rearing of the freshwater mussel for pearl culture and nutrition-feeding strategy for the common freshwater fishes were demonstrated to the trainees.

Prof. Koushik Ghosh, Professor and Director (Addl. Charge) of BKCRTC on behalf of BU, and Mr. Milon Sinha and Mr. Arijit Chakraborty on behalf of the NEWS acted as the resource persons in the training programme.

B) Three-day Workshop on “Mushroom Cultivation” (March 22 - 24, 2022)

The BKCRTC of The University of Burdwan (BU) organized a Three-day Workshop on “Mushroom Cultivation” during March 22 - 24, 2022 at the Department of Zoology, BU.

A group of 38 trainees represented by rural unemployed and self-employed persons as well as some students took part in this workshop. The workshop was inaugurated by **Prof. Nimai Chandra Saha**, Hon'ble Vice Chancellor, BU. **Dr. Sujit Kumar Choudhury**, Registrar, BU also graced the inaugural session. The workshop comprised of both, theoretical as well as practical sessions. The key-note address was delivered by **Prof. Sukanta Kumar Sen**, Retd. Professor, Department of Botany, Visvs Bharati University. In addition, **Prof. Narayan Chandra Chatterjee**, Retd. Professor, Department of Botany, The University of Burdwan; **Dr. Jagatpati Tah**, Retd. Teacher, Department of Botany, The University of Burdwan; **Prof. Sikha Dutta**, Head, Department of Botany & Director, CRSMF, BU; **Dr. Anindya Sundar Panja**, PG Department of Biotechnology, Oriental Institute of Science & Technology; and **Mr. Suranjan Barat**, Entrepreneur in Mushroom Cultivation, Burdwan, served as resource persons in the workshop. Discussions were made on basic concepts of mushroom Cultivation; nutritional/neutraceuticals value; impact of substrates on yield; diseases,



pests and competitor moulds; post-harvest technology; economics and farm design. Moreover, hands-on training on the cultivation of milky mushroom, paddy straw mushroom and oyster mushroom were provided. **Prof. Ashis Kumar Panigrahi**, Hon'ble Pro-Vice Chancellor, BU chaired the valedictory session and interacted with the participants.

Prof. K. Ghosh
Director (Addl. Charge), BKCRTC



Training / Workshop Conducted during 2022 – 2024

A) Hands-on training programme on “*Freshwater Pearl Culture*” (February 14, 2023)

A one-day training programme on “*Freshwater Pearl Culture*” has been organized by the Binoy Krishna Choudhury Rural Technology Centre (BKCRTC) of The University of Burdwan (BU) on February 14, 2023 at Takipara, Balagarh, Hooghly. Takipara Fish Culture Society (FCS) at Balagarh, Hooghly extended their support to organize the training programme.

Altogether, 32 students of M.Sc. (Semester - III) from the Department of Zoology, The University of Burdwan took part in this training programme. The trainees were undergone hands-on training on the technique for nucleus insertion in the mantle cavity of freshwater mussel, *Lamellidens marginalis*. Rearing of the freshwater mussel for pearl culture was also demonstrated to the trainees. Further, students performed Community Engagement Service among the FCS units of the area.

Prof. Koushik Ghosh, Professor and Director (Addl. Charge) of BKCRTC on behalf of BU, and Dr. Arijit Chakraborty on behalf of the FCS acted as the resource persons in the training programme.

B) Two-day Workshop on “*Entrepreneurship in Agriculture & Aquaculture*” (April 27 - 28, 2023)

The BKCRTC of The University of Burdwan (BU) organized a Two-day Workshop on “*Entrepreneurship in Agriculture & Aquaculture*” during April 27 - 28, 2023 jointly with the Centre for Innovation Entrepreneurship and Skill Development (CIESD) at the CIESD building, BU.

A group of 38 trainees represented by rural unemployed/self-employed persons/farmers involved in agriculture/aquaculture activities as well as some students took part in this workshop. The workshop was inaugurated by **Prof. Ashis Kumar Panigrahi**, Hon'ble Pro-Vice Chancellor, BU. **Prof. Sunil Karforma**, Dean, F. C. (Science), BU; **Prof. Pradip Chattopadhyay**, Dean, F. C. (Arts, Commerce Etc.), BU; and **Dr. Sujit Kumar Choudhury**, Registrar, BU also graced the inaugural session. The workshop comprised of lectures as well as interactive sessions. The key-note speeches were delivered by **Prof. Krishnendu Acharya**, Department of Botany, University of Calcutta; and **Dr. Bijay Kali Mahapatra**, Retd. Principal Scientist, ICAR- Central Institute of Fisheries Education. In addition, successful entrepreneurs like **Mr. Debtanu Barman**, CEO, Aqua Doctor Solutions, Kolkata; **Dr. Partha Bandyopadhyay**, COO, FINRAY Biotech Inc., Ahmedabad 380060, Gujarat; and **Mr. Sunandan Mukherjee**, Brickcells Technologies



Private Limited shared their experiences and views towards entrepreneurship development. In addition, **Mr. Suranjan Barat**, Entrepreneur in Mushroom Cultivation, Burdwan; and a young entrepreneur **Dr. Arijit Mishra**, Sattvika Agri Lab. Pvt. Ltd. enlightened the participants and encouraged the student participants to open up the scopes for entrepreneurship development. Discussions were made on basic concepts of entrepreneurship; importance of professional education for entrepreneurship development, scope for entrepreneurship in organic agriculture as well as aquaculture and fisheries sector.

C) Three-day Workshop on “*Mushroom Cultivation*” (July 18 - 20, 2023)

The BKCRTC and Centre for Innovation Entrepreneurship and Skill Development (CIESD) of The University of Burdwan (BU) jointly organized a Three-day Workshop on “*Mushroom Cultivation*” during **July 18 - 20, 2023** at the CIESD building (Alumni Hall), BU.

A group of 31 trainees represented by rural unemployed and self-employed persons took part in this workshop. The workshop was inaugurated by **Prof. Ashis Kumar Panigrahi**, Hon'ble Pro-Vice Chancellor, BU. **Prof. Sunil Karforma**, Dean, F. C. (Science), BU also graced the inaugural session. The workshop comprised of both, theoretical as well as practical sessions. The key-note address was delivered by **Prof. Sukanta Kumar Sen**, Retd. Professor, Department of Botany, Visva Bharati University. In addition, **Prof. Narayan Chandra Chatterjee**, Retd. Professor, Department of Botany, The University of Burdwan; **Dr. Jagatpati Tah**, Retd. Teacher, Department of Botany, The University of Burdwan; **Prof. Sikha Dutta**, Head, Department of Botany & Director, CRSMF, BU; **Dr. Anindya Sundar Panja**, PG Department of Biotechnology, Oriental Institute of Science & Technology; **Dr. Pritam Chattopadhyay**, Department of Botany, M.U.C. Women's College and **Mr. Suranjan Barat**, Entrepreneur in Mushroom Cultivation, Burdwan, served as resource persons in the workshop. Discussions were made on basic concepts of mushroom Cultivation; nutritional/neutraceuticals value; impact of substrates on yield; diseases, pests and competitor moulds; post-harvest technology; economics and farm design. Moreover, hands-on training on the cultivation of milky mushroom, paddy straw mushroom and oyster mushroom were provided. **Prof. Ashis Kumar Panigrahi**, Hon'ble Pro-Vice Chancellor, BU chaired the valedictory session and interacted with the participants.



D) Hands-on Training on “Fish Nutrition & Feed Management” (December 13 - 15, 2023)

The BKCRTC and CIESD of The University of Burdwan (BU), along with EIACP - Resource Partner on Environmental Biotechnology, University of Kalyani (Supported by MoEF & CC, Govt. of India) jointly organized a Three-day **Hands-on Training on “Fish Nutrition & Feed Management”** during December 13 - 15, 2023 at the CIESD building (Alumni Hall), BU.

A group of 42 progressive farmers from 14 districts of West Bengal and 14 post-graduate students with ‘Aquaculture & Fisheries’ as their major elective paper took part in this workshop. The workshop was inaugurated by **Prof. Ashis Kumar Panigrahi**, Hon’ble Pro-Vice Chancellor, BU; **Prof. Sunil Karforma**, Dean, F. C. (Science), BU; **Dr. B. N. Paul**, **Principal Scientist & Officer-in Charge, RRC of Central Institute of Freshwater Aquaculture**, Rahara, Kolkata and **Prof. Kausik Mondal**, Department of Zoology, University of Kalyani also graced the inaugural session. **Dr. B. N. Paul**, RRC of Central Institute of Freshwater Aquaculture; **Prof. Kausik Mondal**, University of Kalyani; **Prof. Koushik Ghosh**, Department of Zoology, The University of Burdwan; **Dr. Tapas Kumar Ghoshal**, ICAR-CIFE, Regional Centre, Kolkata; **Dr. G. H. Pailan**, ICAR-CIFE, Regional Centre, Kolkata; **Mr. Milon Sinha**, Nature Environment & Wildlife Society (NEWS); and **Dr. Archan K. Das**, ICAR-CIFRI, Barrackpore, Kolkata served as resource persons in the workshop. Discussions were made on basic concepts of Fish Nutrition; Nutritional Requirement of Fish and Feed Preparation with Low Cost Feed Ingredients; Probiotics; Feed and Feeding Management of Brackishwater Finfishes and Shellfishes; Feed and Feeding Management of Freshwater Aquarium Fish; and Farm Made Feed for the Catfishes. Moreover, hands-on training on the feed ingredients, their analyses, and preparation of farm made feed were provided. **Dr. B. K. Das**, Hon’ble Director, ICAR-CIFRI, Barrackpore, Kolkata graced the valedictory session as the **Chief Guest** and interacted with the participants. **Prof. Ashis Kumar Panigrahi**, Hon’ble Pro-Vice Chancellor, BU; **Prof. Sunil Karforma**, Dean, F. C. (Science), BU and **Dr. Sujit Kumar Choudhury**, Registrar, BU also graced the valedictory session.

E) One-day Workshop on “Management of solid waste and e-waste” (January 11, 2024)

The BKCRTC and Centre for Innovation Entrepreneurship and Skill Development (CIESD) of The University of Burdwan (BU) jointly organized a One-day Workshop on “*Management of solid waste and e-waste*” on **January 11, 2024** at the Kadambini Ganguly Hall, BU.

A group of 70 participants represented by faculty members, officers, staff members, and research scholars took part in this workshop. The workshop was inaugurated by **Prof.**



Ashis Kumar Panigrahi, Hon'ble Pro-Vice Chancellor, BU. **Prof. Sunil Karforma**, Dean, F. C. (Science), BU; and **Prof. Pradip Chattopadhyay**, Dean, F. C. (Arts, Commerce Etc.), BU also graced the inaugural session. Two eminent speakers, **Prof. Sadhan Kumar Ghosh**, Former Professor, Jadavpur University and **Mr. Anindya Banerji**, SPOC, e-Waste Management, WEBEL served as resource persons and addressed the participants regarding the hazards associated with solid waste and e-waste along with their mitigation strategies. Leaching out of the toxic materials like lead, cadmium, or polychlorinated biphenyls (PCBs) from e-waste could be of serious health concerns, as warned by the World Health Organization (WHO). Thus, **Prof. Ghosh** emphasized the need for segregation of the solid wastes and e-wastes at source and their subsequent recycling. Unorganized collections by the wanderers and unmethodical metal extractions result in inhalation of the toxic fumes and accumulation of chemicals in soil, water or food chain causing environmental as well as human health hazards. In this backdrop, **Mr. Banerji** enlightened the participants about the methodologies to recycle the e-wastes.

F) One-day training programme on “Freshwater Pearl Culture” (January 27, 2024)

A one-day training programme on “*Freshwater Pearl Culture*” has been organized by the Binoy Krishna Choudhury Rural Technology Centre (BKCRTC) of The University of Burdwan (BU) on January 27, 2024 at Takipara, Balagarh, Hooghly. Takipara Fish Culture Society (FCS) at Balagarh, Hooghly extended their support to organize the training programme.

Altogether, 15 students of M.Sc. (Semester - III) from the Department of Zoology, The University of Burdwan took part in this training programme. The trainees were undergone hands-on training on the technique for nucleus insertion in the mantle cavity of freshwater mussel, *Lamellidens marginalis*. Rearing of the freshwater mussel for pearl culture was also demonstrated to the trainees. Further, students performed Community Engagement Service among the FCS units of the area.

Prof. Koushik Ghosh, Professor and Director (Addl. Charge) of BKCRTC on behalf of BU, and Dr. Arijit Chakraborty on behalf of the FCS acted as the resource persons in the training programme.

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