Sher-e-Bangla Agricultural University

SDG Activity Report
on

SDG 17:
Partnerships For The Goals

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22. Water at the Crossroads: Challenges and Opportunities for SDG Integration in Bangladesh

23. From data to decision: leveraging machine learning and water quality index for groundwater quality evaluation

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26. Integrating seaweed into aquafeeds: current knowledge and future perspectives

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28. USE OF YOUTUBE FOR DIFFUSION OF INNOVATIVE AGRICULTURAL TECHNOLOGIES: A DIGITAL SELF-HELP APPROACH TO THE FARMERS; [UPOTREBA JUTJUBA ZA ŠIRENJE INOVATIVNIH POLJOPRIVREDNIH TEHNOLOGIJA: DIGITALNI PRISTUP PODRŠKE POLJOPRIVREDNICIMA]

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Faculty Research and Publications

1. Next-Generation Crop Improvement: Social, Ethical, and Regulatory Perspectives on GMO Commercialization and Future Challenges

Author: Boora N.; Ahlawat Y.; Chaudhary D.; Jaiwal P.K.; Kundu S.

Year: 2025

DOI Link: https://doi.org/10.1007/978-981-95-0309-4_14

Abstract:
This paper titled 'Next-Generation Crop Improvement: Social, Ethical, and Regulatory Perspectives on GMO Commercialization and Future Challenges' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

2. How do improved lentil varieties affect farmers' livelihood status in central Bangladesh?

Author: Sultana M.; Shetu J.F.; Sarker F.; Ahammad S.; Sujan M.H.K.

Year: 2025

DOI Link: https://doi.org/10.1016/j.heliyon.2024.e41189

Abstract:
This paper titled 'How do improved lentil varieties affect farmers' livelihood status in central Bangladesh?' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

3. Domestic Lentil Production in Bangladesh Is More Advantageous Than Using Overseas Imports

Author: Sultana M.; Kazal M.M.H.; Jalil G.M.A.; Shetu J.F.; Sarkar M.A.R.; Sujan M.H.K.

Year: 2025

DOI Link: https://doi.org/10.1002/fes3.70033

Abstract:
This paper titled 'Domestic Lentil Production in Bangladesh Is More Advantageous Than Using Overseas Imports' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

4. Heavy Metals and Trace Elements in the Context of the SDGs

Author: Ali M.M.; Hossain D.; Hossain M.K.; Nag S.K.; Bristi S.Z.T.; Ahmed M.J.

Year: 2026

DOI Link: https://doi.org/10.1007/978-3-032-26858-7_6

Abstract:
This paper titled 'Heavy Metals and Trace Elements in the Context of the SDGs' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

5. Impact of climate change on Boro rice production in Bangladesh: Evidence from time series modeling

Author: Shahrier R.; Hasan M.N.; Ankita S.Y.; Tasnim I.; Rahman K.T.

Year: 2025

DOI Link: https://doi.org/10.1371/journal.pone.0328699

Abstract:
This paper titled 'Impact of climate change on Boro rice production in Bangladesh: Evidence from time series modeling' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

6. Occurrence, sources and ecological risk assessment of per-and polyfluoroalkyl substances (PFASs) in water and sediment from urban rivers in Dhaka, Bangladesh

Author: Habibullah-Al-mamun M.; Islam M.M.; Sakib S.; Islam S.; Ali M.M.; Faruque M.H.

Year: 2025

DOI Link: https://doi.org/10.20517/jeea.2025.38

Abstract:
This paper titled 'Occurrence, sources and ecological risk assessment of per-and polyfluoroalkyl substances (PFASs) in water and sediment from urban rivers in Dhaka, Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

7. Technology Adoption Intention and Sustainable Entrepreneurship Ability of Rural Women in Bangladesh

Author: Sarker T.; Roy R.; Yeasmin S.; Rabbany M.G.; Asaduzzaman M.

Year: 2025

DOI Link: https://doi.org/10.1002/bsd2.70067

Abstract:
This paper titled 'Technology Adoption Intention and Sustainable Entrepreneurship Ability of Rural Women in Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

8. Herbicides in modern sustainable agriculture: environmental fate, ecological implications, and human health concerns

Author: Parven A.; Meftaul I.M.; Venkateswarlu K.; Megharaj M.

Year: 2025

DOI Link: https://doi.org/10.1007/s13762-024-05818-y

Abstract:
This paper titled 'Herbicides in modern sustainable agriculture: environmental fate, ecological implications, and human health concerns' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

9. River Waste to Goldmine: A Tale of Floating Agriculture in Vulnerable Southern Regions of Bangladesh

Author: Sarker M.R.; Kundu N.D.; Sujan M.H.K.; Salman M.; McKenzie A.M.; Islam M.M.; Rahman M.A.; Uddin M.T.; Bhandari H.; Sarkar M.A.R.

Year: 2025

DOI Link: https://doi.org/10.1002/fes3.70062

Abstract:
This paper titled 'River Waste to Goldmine: A Tale of Floating Agriculture in Vulnerable Southern Regions of Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

10. Sustainable Meat Packaging Using Functional Nanomaterials: A Comprehensive Review on Recent Advances and Future Potential

Author: Jubayer M.F.; Meftaul I.M.; Rahman M.M.; Hoque M.M.; Saqib M.N.; Sarker M.A.R.

Year: 2026

DOI Link: https://doi.org/10.1021/acsfoodscitech.5c01165

Abstract:
This paper titled 'Sustainable Meat Packaging Using Functional Nanomaterials: A Comprehensive Review on Recent Advances and Future Potential' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

11. Dataset on potato phenology, growth, and yield for DSSAT/APSIM crop model calibration at central region of Bangladesh

Author: Talukder A.H.M.M.R.; Ahmed F.; Ahsan A.F.M.S.; Mahfuza S.N.; Mustakim A.A.M.M.; Mokarroma N.; Nahar L.; Khan M.S.U.; Alam Z.

Year: 2026

DOI Link: https://doi.org/10.1016/j.dib.2025.112363

Abstract:
This paper titled 'Dataset on potato phenology, growth, and yield for DSSAT/APSIM crop model calibration at central region of Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

12. Emerging Models of Green Financing in Selected South Asian Countries

Author: Kundu S.; Kumar R.S.

Year: 2025

DOI Link: https://doi.org/10.1007/978-3-031-80478-6_7

Abstract:
This paper titled 'Emerging Models of Green Financing in Selected South Asian Countries' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

13. Imperative roles of auxin signaling in reprogramming of drought tolerance in plants

Author: Das A.; Pal S.; Hasanuzzaman M.; Adak M.K.

Year: 2026

DOI Link: https://doi.org/10.1007/s00299-026-03726-8

Abstract:
This paper titled 'Imperative roles of auxin signaling in reprogramming of drought tolerance in plants' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical

empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

14. Effect of integrated seed priming on storage duration for enhanced germination traits in lentil (Lens culinaris L.) under salinity stress

Author: Rao D.; Yadav S.; Choudhary R.; Singh D.; Bhardwaj R.; Barthakur S.; Hasanuzzaman M.; Sushkova S.; Singh J.; Yadav S.K.

Year: 2026

DOI Link: https://doi.org/10.1002/jsfa.70289

Abstract:
This paper titled 'Effect of integrated seed priming on storage duration for enhanced germination traits in lentil (Lens culinaris L.) under salinity stress' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

15. Corporate green innovation and environmental subsidies: moderating influence of top management team characteristics

Author: Zhu N.; Zhao Y.; Yang J.; Rahman A.; Huang Y.

Year: 2026

DOI Link: https://doi.org/10.1007/s10668-026-07807-2

Abstract:
This paper titled 'Corporate green innovation and environmental subsidies: moderating influence of top management team characteristics' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

16. Unlocking Food Security in Flood-Prone Bangladesh: The Power of Women-Led Climate-Smart Agriculture

Author: Akter A.; Beg T.H.; Xu H.

Year: 2026

DOI Link: https://doi.org/10.1002/fes3.70327

Abstract:
This paper titled 'Unlocking Food Security in Flood-Prone Bangladesh: The Power of Women-Led Climate-Smart Agriculture' addresses key research objectives aligned with SDG 17 (Partnerships For The

Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

17. Integrating One Health into Global Veterinary Education

Author: Hossain D.; Adesola R.O.; Esha E.J.; Uddin N.; Ogundijo O.A.; Banwo O.G.; Bakre A.A.; Dutta A.; Ali M.M.; Musleh Uddin A.H.M.; Bristi S.Z.T.

Year: 2026

DOI Link: https://doi.org/10.1002/9781394295982.ch04

Abstract:
This paper titled 'Integrating One Health into Global Veterinary Education' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

18. Plants under toxic element stress: microRNA-mediated regulatory pathways and emerging perspectives

Author: Adak M.K.; Chakraborty N.; Das A.; Dey G.; Banerjee P.; Chen C.-Y.; Hasanuzzaman M.

Year: 2026

DOI Link: https://doi.org/10.1007/s11356-026-37636-9

Abstract:
This paper titled 'Plants under toxic element stress: microRNA-mediated regulatory pathways and emerging perspectives' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

19. Market dynamics, consumer preferences, systemic barriers, and the potential of integrated multi-trophic aquaculture in Bangladesh

Author: Zewdie M.C.; Bari S.M.; Ahmed S.T.; Hamid M.A.; Bhuyain M.A.B.; Ali S.M.; Magondu E.W.; Rossignoli C.M.; Yossa R.

Year: 2026

DOI Link: https://doi.org/10.3389/fsufs.2026.1781267

Abstract:
This paper titled 'Market dynamics, consumer preferences, systemic barriers, and the potential of integrated multi-trophic aquaculture in Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in

Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

20. Framework for early assessment of food safety hazards in the transition to a more sustainable food system: three case studies in the Vietnamese Mekong Delta

Author: Safitri R.A.; Bouwman L.M.S.; Siegmund-Schultze M.; Nhan T.M.; Islam M.A.; van Asselt E.D.; van Dongen K.C.W.

Year: 2025

DOI Link: https://doi.org/10.1016/j.jafr.2025.102262

Abstract:
This paper titled 'Framework for early assessment of food safety hazards in the transition to a more sustainable food system: three case studies in the Vietnamese Mekong Delta' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

21. Nexus of women’s participation in smallholder financial inclusion programs and economic efficiency: implications for poverty alleviation

Author: Wang S.; Mwalupaso G.E.; Akter A.

Year: 2025

DOI Link: https://doi.org/10.3389/fsufs.2025.1613678

Abstract:
This paper titled 'Nexus of women’s participation in smallholder financial inclusion programs and economic efficiency: implications for poverty alleviation' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

22. Water at the Crossroads: Challenges and Opportunities for SDG Integration in Bangladesh

Author: Nasrin R.; Ali M.M.; Ahmed A.; Rahman A.

Year: 2026

DOI Link: https://doi.org/10.1007/978-3-032-18708-6_78

Abstract:
This paper titled 'Water at the Crossroads: Challenges and Opportunities for SDG Integration in Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural

development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

23. From data to decision: leveraging machine learning and water quality index for groundwater quality evaluation

Author: Sarker M.A.R.; Chowdhury M.A.H.; Haque M.T.; Rahman M.M.; Meftaul I.M.; Jubayer M.F.

Year: 2025

DOI Link: https://doi.org/10.1007/s40899-025-01276-7

Abstract:
This paper titled 'From data to decision: leveraging machine learning and water quality index for groundwater quality evaluation' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

24. Citrus Industry of Bangladesh

Author: Rahman M.Z.; Bhuyan M.H.M.B.; Ahmed F.; Rahman J.

Year: 2025

DOI Link: https://doi.org/10.1201/9781003584599-10

Abstract:
This paper titled 'Citrus Industry of Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

25. Melatonin's Role in Enhancing Waterlogging Tolerance in Plants: Current Understanding and Future Directions

Author: Jahan M.S.; Hasan M.M.; Siddique A.B.; Zarbakhsh S.; Hamada M.M.; Hussain M.A.; Jabborova D.; Corpas F.J.

Year: 2025

DOI Link: https://doi.org/10.1111/ppl.70499

Abstract:
This paper titled 'Melatonin's Role in Enhancing Waterlogging Tolerance in Plants: Current Understanding and Future Directions' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in

Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

26. Integrating seaweed into aquafeeds: current knowledge and future perspectives

Author: Hossain M.F.; Chakroborty K.; Nabil T.A.; Bhuyain S.; Reza N.B.; Rafiquzzaman S.M.

Year: 2025

DOI Link: https://www.scopus.com/pages/publications/105028166944?origin=resultslist

Abstract:
This paper titled 'Integrating seaweed into aquafeeds: current knowledge and future perspectives' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

27. Pesticide handling practices, occupational risks, and health expenses among Bangladeshi smallholder vegetable farmers

Author: Hossain M.S.; Fahad S.; Sarker T.; Rabbany M.G.; Yeasmin S.; Roy R.

Year: 2026

DOI Link: https://doi.org/10.1016/j.jafr.2026.102727

Abstract:
This paper titled 'Pesticide handling practices, occupational risks, and health expenses among Bangladeshi smallholder vegetable farmers' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

28. USE OF YOUTUBE FOR DIFFUSION OF INNOVATIVE AGRICULTURAL TECHNOLOGIES: A DIGITAL SELF-HELP APPROACH TO THE FARMERS; [UPOTREBA JUTJUBA ZA ŠIRENJE INOVATIVNIH POLJOPRIVREDNIH TEHNOLOGIJA: DIGITALNI PRISTUP PODRŠKE POLJOPRIVREDNICIMA]

Author: Mazumder M.S.U.; Wadud F.; Barua S.

Year: 2026

DOI Link: https://doi.org/10.2298/JAS2601073M

Abstract:
This paper titled 'USE OF YOUTUBE FOR DIFFUSION OF INNOVATIVE AGRICULTURAL TECHNOLOGIES: A DIGITAL SELF-HELP APPROACH TO THE FARMERS; [UPOTREBA JUTJUBA ZA ŠIRENJE INOVATIVNIH POLJOPRIVREDNIH TEHNOLOGIJA: DIGITALNI PRISTUP PODRŠKE POLJOPRIVREDNICIMA]' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical

findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

29. Gene Bank: Conservation of Genetic Resources in the Genomic Era

Author: Rahman M.S.; Rahman M.Z.; Gain N.; Nesa M.M.; Islam M.Z.; Deepo D.M.; Rahman J.

Year: 2026

DOI Link: https://doi.org/10.1007/978-3-032-02605-7_8

Abstract:
This paper titled 'Gene Bank: Conservation of Genetic Resources in the Genomic Era' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

30. Analyzing the impact of climate change and renewable energy on agricultural productivity in Bangladesh using an ARDL model

Author: Ahammad S.; Datta T.; Mosharof N.B.; Islam M.F.; Bhuiyan M.I.H.; Ahmed M.J.; Alam K.E.

Year: 2026

DOI Link: https://doi.org/10.1007/s43621-026-03525-x

Abstract:
This paper titled 'Analyzing the impact of climate change and renewable energy on agricultural productivity in Bangladesh using an ARDL model' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

31. Community Perceptions and Economic Drivers of Hilsa Fishery Conservation in Riverbank Villages of Bangladesh

Author: Hossain M.A.; Monir M.; Selim S.; Azad F.; Rana M.M.; Ahmad B.; Hasan M.R.

Year: 2026

DOI Link: https://doi.org/10.1002/aff2.70222

Abstract:
This paper titled 'Community Perceptions and Economic Drivers of Hilsa Fishery Conservation in Riverbank Villages of Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh.

For full access to the complete text and dataset, please refer to the publisher source link provided above.

32. Mushroom Farming: A Potential Tool for Nutritional Security and Income Generation in Bangladesh

Author: Poly N.; Marma L.; Afsana A.S.; Choudhury M.A.; Talucder M.S.A.; Maleque M.A.; Pane Y.S.; Noreen S.; Bin Mahbub S.U.; Alam F.; Abdullah M.; Khan A.U.

Year: 2026

DOI Link: https://doi.org/10.4038/jas.v21i1.11194

Abstract:
This paper titled 'Mushroom Farming: A Potential Tool for Nutritional Security and Income Generation in Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

33. Understanding climate change-induced drought shocks and coping strategies of farmers in the Barind Tract Region, Bangladesh

Author: Alam M.M.; Shaba S.A.; Farhaz S.; Toma L.T.; Ali H.M.

Year: 2026

DOI Link: https://doi.org/10.1016/j.indic.2026.101208

Abstract:
This paper titled 'Understanding climate change-induced drought shocks and coping strategies of farmers in the Barind Tract Region, Bangladesh' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

34. Pulse farmers' adaptation to climate-induced variability in coastal Bangladesh: Perceptions, strategies, and drivers

Author: Kundu N.D.; Uddin M.T.; Sarker M.R.; Sujan M.H.K.; Noman M.A.A.; Islam M.M.; Sarkar M.A.R.

Year: 2026

DOI Link: https://doi.org/10.1016/j.cliser.2026.100646

Abstract:
This paper titled 'Pulse farmers' adaptation to climate-induced variability in coastal Bangladesh: Perceptions, strategies, and drivers' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh.

For full access to the complete text and dataset, please refer to the publisher source link provided above.

35. Assessing resilience of surface water management schemes in Bangladesh: strategic insights for transformation

Author: Roy R.; Czaplicka K.; Abe S.

Year: 2025

DOI Link: https://doi.org/10.2166/aqua.2025.044

Abstract:
This paper titled 'Assessing resilience of surface water management schemes in Bangladesh: strategic insights for transformation' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

36. Prevalence and Serotype Distribution of Foot and Mouth Disease (FMD) Virus in Asian Countries: A Systematic Review and Meta-Analysis

Author: Ahmed M.J.; Hossain M.I.; Rahman M.A.; Bhuiyan M.I.H.; Bhandari P.; Alam K.E.; Chalise R.; Kaderi I.J.; Rahi M.A.I.; Tarin T.; Alam M.J.; Adesola R.O.; Hossain D.

Year: 2026

DOI Link: https://doi.org/10.1155/vmi/5492291

Abstract:
This paper titled 'Prevalence and Serotype Distribution of Foot and Mouth Disease (FMD) Virus in Asian Countries: A Systematic Review and Meta-Analysis' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

37. Climatic and hydrological rhythms driving reproductive synchrony of the paradise threadfin (Polynemus paradiseus) in a monsoon-influenced estuarine system: Implications for conservation

Author: Akter S.; Afrin M.; Hossain M.N.; Ferdous A.; Hoque N.F.; Rahman M.M.; Asaduzzaman M.

Year: 2026

DOI Link: https://doi.org/10.1016/j.ecss.2026.110057

Abstract:
This paper titled 'Climatic and hydrological rhythms driving reproductive synchrony of the paradise threadfin (Polynemus paradiseus) in a monsoon-influenced estuarine system: Implications for conservation' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It

provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

38. Understanding rice farmers' fertilizer application behavior to advance sustainable agricultural practices in Bangladesh: insights from the extended KAP model

Author: Sujan M.H.K.; Jiao Y.; Akber M.A.; Sarkar M.A.R.; McKenzie A.M.; Rabin M.H.; Sultana M.; Aziz A.A.

Year: 2026

DOI Link: https://doi.org/10.1038/s41598-026-52897-7

Abstract:
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39. Microbial Interactions with Trace Elements and Heavy Metals: Implications for Bioremediation

Author: Ahmed M.J.; Hossain M.I.; Alam K.E.; Chalise R.; Ahammed M.S.; Islam S.M.S.; Basore R.; Bhandari P.; Ali M.M.; Hossain D.

Year: 2026

DOI Link: https://doi.org/10.1007/978-3-032-26858-7_13

Abstract:
This paper titled 'Microbial Interactions with Trace Elements and Heavy Metals: Implications for Bioremediation' addresses key research objectives aligned with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.

40. Evaluating farmers' satisfaction from high-yielding rice (Oryza sativa) variety cultivation in boro season: evidence from adaptive trials in Bangladesh

Author: Hassan M.M.; Habib M.A.; Nayak S.; Jewel Z.A.; Resmi S.I.; Hasan M.

Year: 2025

DOI Link: https://doi.org/10.1007/s44447-025-00047-2

Abstract:
This paper titled 'Evaluating farmers' satisfaction from high-yielding rice (Oryza sativa) variety cultivation in boro season: evidence from adaptive trials in Bangladesh' addresses key research objectives aligned

with SDG 17 (Partnerships For The Goals). It provides critical empirical findings and methodological frameworks relevant to sustainable agricultural development, environmental policy, and resource management in Bangladesh. For full access to the complete text and dataset, please refer to the publisher source link provided above.