CURRICULUM VITAE

Dr. Md. Rashed Chowdhury, Ph.D., M.S. | Fulbright USA - Maldives
Applications Scientist – Water, Climate, and Society

Top 5 Strength Areas

- *El Niño-Southern Oscillation (ENSO)-based climate forecasting & early warning systems*
- *Flood forecasting, hydrology & water resources management*
- *Climate science translation into decision-support tools for rural livelihood resilience*
- *International leadership, training & academic instruction*
- *High-impact interdisciplinary research & publications*

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Professional Summary

I am an Adjunct Faculty member at Arizona State University, where I teach graduate courses on climate applications and early warning systems. In parallel, I also serve as a *Non-Resident* Research Advisor at the Institute of Water Modeling (IWM) in Bangladesh, leading a project on *flood predictability in Eastern Bangladesh.*

With a background in Civil and Water Resources Engineering and a PhD in Urban and Regional Planning, I have over 25 years of experience in climate and water-related research. My work has focused on the impacts of climate variability on water management and disaster resilience in South Asia and the Pacific.

I have an extensive publication record and am the author of a recent book published by Springer in 2022, titled *Seasonal Flood Forecasts and Warning Response Opportunities: ENSO Applications in Bangladesh*. This work serves as a significant resource for disaster risk reduction in the Asia-Pacific region, including Bangladesh and India, and is accessible at: https://link.springer.com/book/10.1007/978-3-031-17825-2.

Previously, I held leadership roles at the Pacific ENSO Applications Climate Center (University of Hawaii at Manoa), supporting NOAA's early warning systems across the U.S.-affiliated Pacific Islands. I have also served as a Fulbright Scholar in the Maldives and contributed to national and international projects on flood forecasting, public health, and climate adaptation.

Adjunct Faculty & Senior Global Futures Scientist
School of Sustainable Engineering and the Built Environment
Arizona State University, USA
https://sustainability-innovation.asu.edu/scientists-scholars/person/rashed-chowdhury/

Research Advisor/ Team Leader
Institute of Water Modeling, Bangladesh
https://www.iwmbd.org/

Former Principal Scientist
Pacific ENSO Applications Climate Center (PEAC)
Joint Institute for Marine and Atmospheric Research
University of Hawaii at Manoa, USA
https://www.soest.hawaii.edu/jimar/

Education

Ph.D. in Urban and Regional Planning
University of Tsukuba, Tsukuba, Japan | 1995–1998 |Monbusho Scholar

- **Program:** Doctoral Program in Policy and Planning Sciences
- **Research Focus:** Flood Hazard Mitigation – Risk and Environmental Perspectives

M.S. in Urban and Regional Planning
University of Tsukuba, Tsukuba, Japan | 1993–1995|Monbusho Scholar

- **Research Focus:** Land Use and Land Cover Change Dynamics

M.S. in Urban and Regional Planning
Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh | 1986–1989

- **Research Focus:** Urban Transportation Planning

B.S. in Civil Engineering
University of Chittagong, Chittagong, Bangladesh | 1978–1983

Post-Doctoral Research

International Research Institute for Climate and Society (IRI), Columbia University, USA
UCAR Post-Doctoral Research Scientist | 2001–2003

- **Research Focus:** Seasonal flood potential in the Greater Ganges–Brahmaputra–Meghna (GBM) Basin, hydro-meteorological variability, and climate-driven flood forecasting.

National Institute for Earth Science and Disaster Prevention (NIED), Tsukuba, Japan
STA Post-Doctoral Research Fellow | 1998–2000

- **Research Focus:** Flood forecasting in the GBM region, risk–environment trade-offs, and community resilience to water-related hazards.

Overseas Job Training

- **1992 – 1993: Visiting Researcher |Monbusho Scholar**
  University of Tsukuba, Japan
  Research Focus: Integrated rural development in developing countries
- **1991 (Feb – Nov): Irrigation and Drainage Group Training Course | JICA Trainee**
  Tsukuba International Agricultural Training Center, Japan International Cooperation Agency (JICA), Tsukuba, Japan
- **1988 (Jan – Apr): Programs on Computer Applications & Development |UNDP Trainee**
  Asian Institute of Technology (AIT), Bangkok, Thailand

Employment

January 2025 – Present
Research Advisor (Non-Resident)
Institute of Water Modeling (IWM), Bangladesh

- Lead the project *"Assessing Hydrometeorological Variability and Predictability of the 2024 Floods in Eastern Bangladesh."*
- Position held under a joint affiliation, fostering collaboration between multiple institutions to advance regional flood forecasting and strengthen climate resilience efforts.

July 2021 – Present
Adjunct Faculty / Senior Global Futures Scientist
School of Sustainable Engineering and the Built Environment, Arizona State University.

Teach courses centered on climate applications and early warning systems, emphasizing the translation of scientific knowledge into practical tools for risk reduction and sustainable development.

Academic Courses Delivered:

- *CON 598 (98879) - Topic: ENSO Applications and Early Warning Systems, Fall 2022*
- *FSR 570 - Data Science Capstone, Spring 2024*

September – December 2021
Fulbright Fellow
Maldives National University

- Collaborated with the Maldives Meteorological Department to enhance early warning systems supporting climate-resilient development.
- Taught an undergraduate course, *Climate Change and Disaster Management*.
- Delivered hands-on training workshops for government officials, focusing on climate risk reduction and adaptive planning strategies.

July 2016 – December 2020
Principal Scientist / Joint Director
Pacific ENSO Applications Climate Center (PEAC), University of Hawaii, Honolulu, HI, USA

July 2008 – December 2020
Principal Scientist
Pacific ENSO Applications Climate Center (PEAC), University of Hawaii, Honolulu, HI, USA

December 2003 – June 2008
Research Scientist
Pacific ENSO Applications Climate Center (PEAC), University of Hawaii, Honolulu, HI, USA

During my tenure at PEAC, I played a key role in advancing climate science applications and communication strategies for the U.S.-Affiliated Pacific Islands (USAPIs). My responsibilities included:

- **Applied Climate Research:**
  Led research focused on producing actionable information products related to climate variability—particularly the El Niño–Southern Oscillation (ENSO) cycle—to support decision-making in water resources, agriculture, disaster preparedness, and environmental management across the USAPIs.
- **Product Development and Scientific Communication:**
  Collaborated on the development of water-related climate products to effectively convey scientific insights. This included authoring technical documents, publishing peer-reviewed articles, presenting at scientific conferences, and contributing to the creation of digital tools and applications that increased visibility and usability of PEAC's outputs.
- **Outreach and Stakeholder Engagement:**
  Designed and implemented communication strategies to translate complex climate science into accessible information for diverse stakeholders. Worked closely with scientists, water managers, and academic collaborators to gather and synthesize scientific content. Reviewed and edited communication materials, ensuring clarity, accuracy, and relevance for end users.

- **Data Management and Workflow Optimization:**
  Oversaw and streamlined processes for acquiring, maintaining, and analyzing scientific datasets, directly supporting the production of high-impact climate information products. Played an integral role in improving operational workflows to enhance efficiency and scientific rigor.

- **Teaching:**

  As a graduate faculty member, I taught courses on 'ENSO applications and Early Warning Systems' and 'Interdisciplinary Seminar in Disaster Management and Humanitarian Assistance' at the Department of Urban and Regional Planning (DURP) and the National Disaster Preparedness Training Center (NDPTC) at the University of Hawai'i Manoa.

  Academic Courses Delivered:

  PLAN 671: Disaster Management: Understanding the Nature of Hazards

  PLAN 741: Seminar in Planning Practice

  PLAN 670: Interdisciplinary Seminar in Disaster Management

Presentation and Communication Skills

As part of community-centered, knowledge-driven workshops, I led quarterly briefings on the Seasonal Climate Outlook for Water Management at the NOAA Inouye Regional Center (IRC) in Honolulu. Attendees included representatives from NOAA, PACOM, the U.S. Navy, and other scientific and policy professionals involved in ENSO adaptation strategies across the broader Asia-Pacific region. In addition, I was responsible for preparing in-depth reports on drinking water availability for submission to the Federal Emergency Management Agency (FEMA), and I regularly contributed to outreach efforts and educational programs aimed at increasing public understanding of climate-related water management challenges.

Proven ability to secure and strategically leverage extramural funding

I have successfully led multiple funded projects and secured competitive training grants from a diverse array of national and international organizations across both public and private sectors. A notable example is my leadership of a funded initiative at the University of Hawai'i, supported by the NOAA National Weather Service (NWS). This achievement highlights my capacity not only to obtain critical resources but also to foster productive collaborations with key stakeholders to drive meaningful, high-impact outcomes.

UNFCCC Resource Person – Asia-Pacific & Caribbean Capacity Building

As an invited expert under the United Nations Framework Convention on Climate Change (UNFCCC), I have had the privilege of leading numerous hands-on training workshops focused on climate adaptation. These sessions have centered on identifying effective adaptation strategies and assessing the impacts of climate change on coastal zones, particularly across the Asia-Pacific

and Caribbean regions. My role has emphasized capacity building and knowledge transfer to support climate-resilient development in vulnerable communities.

Completed Projects across the USA and USAPIs

- **2020**: *Development of Disaster Preparedness Training Manuals*
  National Disaster Preparedness Training Center (NDPTC), University of Hawai'i – Developed comprehensive training manuals to support capacity-building efforts in disaster risk reduction.
  https://ndptc.hawaii.edu

- **2016–2019**: *Impacts of Changing Climate in the Pacific Islands: Observations and Model Outputs*
  Assessed, observed, and projected climate change impacts using regional datasets and climate model outputs to inform adaptation strategies across the Pacific Islands.

- **2014–2016**: *Climate Variability and Forest Impacts: Analysis Using CMIP5 GCMs and ENSO*
  Investigated the influence of climate variability and change on forest ecosystems using global climate models and ENSO diagnostics.

- **2012–2014**: *Development of an SST-Wind-Based Operational Statistical Model for Sea-Level Forecasting in the U.S.-Affiliated Pacific Islands (USAPIs)*
  Created a predictive tool to provide seasonal sea-level forecasts with lead times of several months, supporting coastal planning and hazard preparedness.

- **2009–2012**: *Five-Stage Hazard Management Activities in the USAPIs*
  Implemented a framework for hazard management encompassing forecasting, interpretation, and messaging, warning preparation and dissemination, emergency response, and post-event review and analysis.

- **2007–2009**: *Understanding Sea-Level Extremes for Coastal Hazard Management*
  Analyzed sea-level anomalies and their drivers to improve coastal risk assessments and management strategies.

- **2005–2007**: *SST-Based Operational Statistical Model for Seasonal Sea-Level Forecasting in the USAPIs*
  Developed early iterations of sea-level forecasting tools to assist coastal communities in planning for seasonal variability.

- **2002–2005**: *ENSO and Seasonal Climate Variability in Pacific Islands*
  Explored ENSO's influence on seasonal climate variability to support regional forecasting and adaptation efforts.

Previous Employment

(All full-time positions, 40 hours/week)

(i) September 2001 – August 2003
Post-Doctoral Research Scientist (University Corporation for Atmospheric Research Fellow)
International Research Institute for Climate and Society (IRI), Columbia University, New York, USA
https://iri.columbia.edu
Key Focus Areas:

- Seasonal flood potential in the Greater Ganges–Brahmaputra–Meghna (GBM) Basin
- Development of consensus-based seasonal flood forecasts and warning systems
- Hydro-meteorological variability across the GBM basins
- ENSO and its linkages to seasonal flooding patterns

(ii) November 1998 – October 2000
Post-Doctoral Research Fellow (Science and Technology Agency Fellow, Japan)
National Institute for Earth Science and Disaster Prevention, Tsukuba, Japan
http://www.bosai.go.jp/e/
Key Focus Areas:

- Flood forecasting for the Ganges-Brahmaputra-Meghna (GBM) basin
- Risk–environment trade-offs in flood-prone regions
- Assessment of the Greater Dhaka Flood Protection Project (GDFPP) and its impact on local environments
- Public attitudes toward hazards and the environment in Japan
- Analysis of household characteristics affecting flood damage
- Evaluation of flood forecasting systems in Bangladesh

(iii) 1983 – 1991
Executive Engineer / Sub-Divisional Engineer
Bangladesh Water Development Board (BWDB), Ministry of Water Resources — Training and Staff Development Directorate
Key Responsibilities:

- Seasonal flood forecasting and improvement of response mechanisms
- Satellite image interpretation (NOAA-12, 14, 15) for rainfall estimation

- Numerical modeling using MIKE 11 for real-time flood forecasting
- Issuance of daily flood bulletins and early warning messages based on real-time observations and forecasts
- Design of hydraulic structures such as regulators, box culverts, and drainage channels

Deputation (1987 – 1991): Assistant Chief, Planning Cell, Ministry of Water Resources, Bangladesh

- Prepared national plans for sustainable water resource development and utilization
- Served as Training Coordinator for the BGD-087 project (GOB–UNDTCD)
- Oversaw Upazila (sub-district) land use planning initiatives

(iv) 1983 – 1987
Assistant Engineer
Design Circle II, Bangladesh Water Development Board
Key Responsibilities:

- Design and review of hydraulic structures, including regulators, box culverts, and drainage infrastructure

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Completed Water and Climate Projects in Bangladesh and South Asia

- **2025 (Ongoing)**: *Assessing Hydrometeorological Variability and Predictability of the 2024 Floods in Eastern Bangladesh*
  Leading disaster management systems that strengthen water resilience through climate projections, hydrological models, and risk analysis.
- **2017**: *Climate Change and Variability Impacts on the Forests of Bangladesh*
  A diagnostic analysis using CMIP5 global climate models (GCMs) and ENSO indicators to assess climate risks to forest ecosystems.
- **2010**: *ENSO and Streamflows in the Greater Ganges–Brahmaputra–Meghna (GBM) Basins: A Climate Outlook*
  Investigated the relationship between ENSO phases and river discharge patterns across the GBM region to support long-term water planning.
- **2007**: *Seasonal Flooding in Bangladesh: Variability and Predictability*
  Analyzed hydro-climatic factors affecting seasonal flooding, with implications for early warning and risk management.
- **2005**: *Consensus Seasonal Flood Forecasts and Warning Response System*
  Proposed an alternative framework for flood management based on consensus forecasting and community-based warning systems.

- **2004**: *Hydro-Meteorological Variability in the Greater GBM Basins*
  Studied spatial and temporal patterns of rainfall and runoff to understand regional water dynamics.

- **2003**: *Impact of the Greater Dhaka Flood Protection Project (GDFPP) on the Local Living Environment*
  Evaluated community perceptions and environmental outcomes of structural flood protection efforts in urban floodplains.

- **2003**: *ENSO and Seasonal Flooding in Bangladesh*
  Assessed historical links between ENSO events and flood occurrence to improve seasonal forecasting capabilities.

- **2000**: *An Assessment of Flood Forecasting in Bangladesh: Lessons from the 1998 Flood*
  Critically examined institutional and technical aspects of flood forecasting during one of the country's most severe flood events.

- **1996**: *Flood Monitoring in Bangladesh: Lessons from Normal and Catastrophic Floods*
  Reviewed flood monitoring systems and identified gaps in response strategies across different flood magnitudes.

Publications

Recent Book

- **Chowdhury, M. R.** (2022). *Seasonal Flood Forecasts and Warning Response Opportunities: ENSO Applications in Bangladesh* (201 pp). Springer. ISBN: 978-3-031-17825-2.

Selected Journal Articles

1. Chowdhury, M. R., Adiba M., Ashraful MI., Shamoeta Z., Abdulla AHK, Sohel M, & Mahbubur R (2026). **Tropical Climate Variability (ENSO, IOD, and MJO) and Seasonal Flood Potential in Bangladesh.** *Theoretical and Applied Climatology* (Springer, Forthcoming).

2. Chowdhury, M.R., Ahmed, A., Moosa, S. & Shazla M (2025). **ENSO and seasonal climate variability in the Maldives: an analysis of early warning opportunities**. *Theor Appl Climatol* 156, 615 (2025). https://doi.org/10.1007/s00704-025-05851-y

3. Chowdhury, M. R., Chu, P.-S., Ndiaye, O., & Potemra, J. (2022). **Rainfall and sea-level variability in the face of changing El Niño: Evidence from the U.S.-affiliated Pacific Islands**. *Meteorology and Atmospheric Physics, 134*(80). https://doi.org/10.1007/s00703-022-00920-7

4. Kim, K., Chowdhury, R., Panta, P., Yamashita, E., & Ghimire, J. (2021). **Assessment of ENSO risks to support transportation resilience**. *Progress in Disaster Science, 12*, 100196. https://doi.org/10.1016/j.pdisas.2021.100196

5. Chowdhury, M. R., Chu, P.-S., & Potemra, J. (2021). **Rainfall and sea-level variability in the face of changing El Niño: Evidence from the U.S.-affiliated Pacific Islands** (Extended summary). *Climate Prediction S&T Digest, 45th NOAA Climate Diagnostics and Prediction Workshop* (Virtual, October 20–22, 2020), DOC/NOAA, 142. https://doi.org/10.25923/tpfe-4n8

6. Ahmed, S., Simmons, W. P., Chowdhury, R., & Huq, S. (2021). **The sustainability–peace nexus in crisis contexts: How the Rohingya escaped ethnic violence in Myanmar but face environmental challenges in Bangladesh**. *Sustainability Science*. https://doi.org/10.1007/s11625-021-00955-6

7. Chowdhury, M. R. (2019). **The use of ENSO-related climate information in disaster preparedness: Experience from the Pacific Islands and Bangladesh**. In A. K. M. A. Kalam, A. Mahmud, & M. A. Khan (Eds.), *Planning for Sustainable Cities and Communities* (pp. 482–502). Bangladesh Institute of Planners. http://www.bip.org.bd/SharingFiles/journal_book/upload_content/201912270424103.pdf

8. Chowdhury, M. R., & Chu, P.-S. (2019). **A study of the changing climate in the U.S.-affiliated Pacific Islands using observations and CMIP5 model output**. *Meteorological Applications, 26*(4), 528–542. https://doi.org/10.1002/met.1781

9. Chowdhury, M. R., & Ndiaye, O. (2017). **Climate change and variability impacts on the forests of Bangladesh: A diagnostic discussion based on CMIP5 GCMs and ENSO**. *International Journal of Climatology, 37*(4), 4768–4782. https://doi.org/10.1002/joc.5120

10. Widlansky, M. J., Marra, J., Chowdhury, M. R., Stephens, S., Miles, E., Fauchereau, N., Spillman, C., Smith, G., Beard, G., & Wells, J. (2017). **Multi-model ensemble sea-level forecasts for tropical Pacific islands**. *Journal of Applied Meteorology and Climatology, 56*, 849–862. https://doi.org/10.1175/JAMC-D-16-0284.1

11. Chowdhury, M. R., & Chu, P.-S. (2015). **Sea-level forecast and early warning application—Expanding cooperation in the South Pacific**. *Bulletin of the American Meteorological Society, 96*(3), 381–386. https://doi.org/10.1175/BAMS-D-13-00254.1

12. Chowdhury, M. R., Chu, P.-S., & Guard, C. (2014). **An improved sea-level forecasting scheme for hazards management in the U.S.-Affiliated Pacific Islands**. *International Journal of Climatology, 34*(6), 2320–2329. https://doi.org/10.1002/joc.3844

13. Schroeder, T. A., Chowdhury, M. R., Lander, M. A., Guard, C., Felkley, C., & Gifford, D. (2012). **The role of the Pacific ENSO Applications Center in reducing vulnerability to climate hazards**. *Bulletin of the American Meteorological Society, 93*(7), 1003–1015. https://doi.org/10.1175/BAMS-D-11-00078.1

14. Chowdhury, M. R. (2013). **The variability of ENSO and predictability of seasonal flooding: Pacific Islands and Bangladesh**. In A. Chavoshian & K. Takeuchi (Eds.), *Floods: From Risk to Opportunity* (IAHS Publ. No. 357, pp. 166–173). International Association of Hydrological Sciences.

15. Chowdhury, M. R. (2012). **Changing climate and hydro-meteorological variability in Bangladesh: Livelihood consequences**. *Vibrant Bangladesh, 5*, 59–65. Published on the occasion of the Independence and National Day 2012, Embassy of Bangladesh, Washington, D.C.

16. Chowdhury, M. R., Barnston, A. G., Guard, C., Duncan, S., Schroeder, T., & Chu, P.-S. (2010). **Sea-level variability and change in the U.S.-Affiliated Pacific Islands: Understanding the high sea levels during 2006–2008**. *Weather, 65*(10), 263–268. https://doi.org/10.1002/wea.610

17. Chowdhury, M. R. (2010). **The El Niño–Southern Oscillation (ENSO) and streamflows in the Greater Ganges–Brahmaputra–Meghna (GBM) basins—A climate outlook**. In A. P. Mitra & C. Sharma (Eds.), *Global Environmental Changes in South Asia—A Regional Perspective* (pp. 258–270). Springer. ISBN: 81-85589-73-9

18. Chowdhury, M. R., Chu, P.-S., Zhao, X., Schroeder, T., & Marra, J. (2009). **Sea-level extremes in the U.S.-Affiliated Pacific Islands: A coastal hazards scenario to aid in decision analysis**. *Journal of Coastal Conservation, 14*, 53–62. https://doi.org/10.1007/s11852-009-0060-2

19. Chowdhury, M. R., Chu, P.-S., Schroeder, T., & Zhao, X. (2008). **Variability and predictability of sea-level extremes in the Hawaiian and U.S.-Trust Islands: Knowledge base for coastal hazards management**. *Journal of Coastal Conservation, 12*, 93–104. https://doi.org/10.1007/s11852-008-0025-5

20. Chowdhury, M. R., Chu, P.-S., Schroeder, T., & Colasacco, N. (2007). **Seasonal sea-level forecasts by canonical correlation analysis: An operational scheme for the U.S.-Affiliated Pacific Islands (USAPIs)**. *International Journal of Climatology, 27*(10), 1389–1402. https://doi.org/10.1002/joc.1462

21. Chowdhury, M. R., & Ward, N. (2007). **Seasonal flooding in Bangladesh: Variability and predictability**. *Hydrological Processes, 21*(3), 335–347. https://doi.org/10.1002/hyp.6240

22. Chowdhury, M. R., Chu, P.-S., & Schroeder, T. (2007). **ENSO and seasonal sea-level variability: A diagnostic discussion for the U.S.-Affiliated Pacific Islands**. *Theoretical and Applied Climatology, 88*, 213–224. https://doi.org/10.1007/s00704-006-0234-4

23. Chowdhury, M. R. (2005). **Consensus seasonal flood forecasts and warning response system: An alternative for flood management in Bangladesh**. *Environmental Management, 35*(6), 716–725. https://doi.org/10.1007/s00267-004-0202-6

24. Chowdhury, M. R., & Ward, N. (2004). **Hydro-meteorological variability in the Greater Ganges–Brahmaputra–Meghna (GBM) basins**. *International Journal of Climatology, 24*(12), 1495–1508. https://doi.org/10.1002/joc.1076

25. Chowdhury, M. R. (2003). **The El Niño–Southern Oscillation (ENSO) and seasonal flooding: Bangladesh**. *Theoretical and Applied Climatology, 76*(1–2), 105–124. https://doi.org/10.1007/s00704-003-0016-5

26. Chowdhury, M. R. (2003). **The impact of the 'Greater Dhaka Flood Protection Project' (GDFPP) on local living environment: The attitude of floodplain residents**. *Natural Hazards, 29*(3), 309–324. https://doi.org/10.1023/A:1024743304919

27. Chowdhury, M. R., & Sato, T. (2001). **Residents' attitudes toward hazards and the environment: Findings from the floodplains of Mito and Hitachinaka-shi, Japan**. *Newsletter of Climate Impact and Application (Japanese Study Group), 19*, 29–38.

28. Chowdhury, M. R. (2000). **An assessment of flood forecasting in Bangladesh: The experience of the 1998 flood**. *Natural Hazards, 22*(2), 139–163. https://doi.org/10.1023/A:1008150225434

29. Chowdhury, M. R., & Sato, T. (2000). **The impact of household characteristics on flood damages: A case study**. *Journal of Floodplain Management (Floodplain Management Association, USA), 1*(2), 35–55.

30. Chowdhury, M. R., & Sato, Y. (1999). **Landowners' interactions in decision-making: Evidence from residential development and floodplain encroachment in Dhaka, Bangladesh**. *Journal of the Rural Planning Association, Japan, 17*(4), 290–299.

31. Chowdhury, M. R., & Sato, Y. (1998). **Factors affecting residents' decision-making on suburban encroachment: A case study in a suburban floodplain in Greater Dhaka, Bangladesh**. *Rural and Environmental Engineering (Japanese Society of Irrigation, Drainage and Rural Engineering), 34*, 25–34.

32. Chowdhury, M. R., & Sato, Y. (1996). **Flood monitoring in Bangladesh: Experience from normal and catastrophic floods**. *Hydrology (Journal of the Japanese Association of Hydrological Sciences), 26*, 241–252.