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Academic Records

- 2016** **PhD**, Department of Geography and Environmental Sciences, Northumbria University, Newcastle-upon-Tyne, England, United Kingdom
Title of PhD Thesis: *Adaptation to Climate Change through Disaster Risk Reduction in Bangladesh: Community Engagement in Local Level Intervention*
Principal Supervisor: Professor Andrew E. Collins
- 2009** **MSc in Disaster Management and Sustainable Development**, Northumbria University, Newcastle-upon-Tyne, England, United Kingdom
Title of MSc Dissertation: *People's Vulnerability and Adaptations to Floods: A Study on the Char-dwellers of the Jamuna River in Bangladesh* (Supervisor: Professor Andrew E. Collins)
- 2000** **MSc in Geography and Environment** (Thesis Group), Jahangirnagar University, Savar, Dhaka, Bangladesh
Title of MSc Thesis: *Process and Impact of Deforestation of Sal Forest: A Case Study of Two Mauzas in Biral Upazila* (Supervisor: Professor AKM Azizul Haque Bhuiyan)
- 1999** **BSc (Honours) in Geography and Environment**, Jahangirnagar University, Savar, Dhaka, Bangladesh

Employment Records

- Director** : Rural Governance and Gender Division
(24 November, 2021 – On-going) Social Sciences Division
Farm Technology, Irrigation & Water Resources Management Division
Rural Development Academy (RDA), Bogura, Bangladesh.
Lecturing at different levels including Postgraduate Diploma in Rural Development (PGDRD) and Foundation Training Courses (FTCs), **conducting** research projects and **research supervision** for PGD students.
Courses Offered: Disaster risk management, Climate change adaptation, Sustainable development, Research methodology.
Also engaged as the **Project Director** of Bangladesh Climate Change Trust funded development project namely “Research Project on Prevention of Climate Change Induced Soil Erosion and Loss of Fertility through IOT and Data Science in Barind Tract (i-Soil Project).”
- Director (In-Charge)** : Farm Technology, Irrigation & Water Resources Management Division
(16 January, 2021 to Research and Evaluation Division
23 November, 2021) Rural Development Academy (RDA), Bogura, Bangladesh.

Lecturing at different levels including Postgraduate Diploma in Rural Development (PGDRD) and Foundation Training Courses (FTCs), **conducting** research projects and **research supervision** for PGD students.

Courses Offered: Disaster risk management, Climate change adaptation, Sustainable development, Research methodology.

Joint Director
(10 December, 2015 to
15 January, 2021)

: Project Planning and Monitoring Division
Rural Governance and Gender Division
Rural Development Academy (RDA), Bogura, Bangladesh.

Lecturing at different levels including Postgraduate Diploma in Rural Development (PGDRD) and Foundation Training Courses (FTCs), **conducting** research projects and **research supervision** for PGD students.

Courses Offered: Disaster risk management, Climate change adaptation, Sustainable development, Research methodology.

Also engaged as the **Deputy Project Director** of a government funded development project namely “Poverty Reduction of the Marginal People under Kurigram and Jamalpur District” (KAJ Project).

Deputy Director
(25 August, 2010 to
9 December, 2015)

: Project Planning and Monitoring Division
Rural Development Academy (RDA), Bogura, Bangladesh.

Lecturing at different levels including Postgraduate Diploma in Rural Development (PGDRD) and Foundation Training Courses (FTCs), **conducting** research projects and **research supervision** for PGD students.

Courses Offered: Disaster risk management, Climate change adaptation, Sustainable rural livelihoods, Research methodology.

Assistant Director
(10 November, 2004 to
24 August, 2010)

: Research and Evaluation Division
Agricultural Sciences Division
Rural Development Academy (RDA), Bogura, Bangladesh.

Lecturing at different levels including Foundation Training Courses (FTCs) and **conducting** research projects.

Courses Offered: Disaster risk management, Environmental management, Sustainable rural livelihoods, Research methodology.

Also engaged as a **Young Professional** of a DFID funded project namely “Chars Livelihoods Programme (CLP)”.

Awards, Fellowships, Scholarships and Grants

- | | |
|-------------|---|
| 2019 | Chinese Government Fund , Seminar on Agriculture Management for Bangladesh, Hubei Vocational College of Bio-Technology, Wuhan, China. |
| 2019 | Malaysian Technical Cooperation Programme (MTCP) Fellowship , Sustainable Rural Development for SIDS and Asian Countries, INFRA, Kuala Lumpur, Malaysia. |
| 2016 | APO-CIRDAP Fund , International Workshop on Agricultural Insurance Systems, Manila, Philippines. |
| 2014 | IRG-Project Fund , The 2014 Summer Institute of Disaster and Risk Research, Beijing Normal University, Beijing, China. |
| 2014 | Northumbria PGR Bursary , The 2014 Summer Institute of Disaster and Risk Research, Beijing Normal University, Beijing, China. |
| 2013 | ANDROID Residential Doctoral School (RDS) Scholarship , Disaster Resilience Workshop, Limassol, Cyprus. |

2013	Northumbria PGR Bursary , 4 th UNISDR Global Platform Meeting, Geneva, Switzerland.
2013	European Commission Conference Award , International Conference on Global Change and Resilience, Mendel University, Brno, The Czech Republic.
2013	DelPHE Project Conference Award , International Conference on Disaster Education and Community Resilience, Bindura University, Zimbabwe.
2013	Seminar Travel Grant , International Seminar on Climate Change and Sustainable Development, Maharajah Sayajirao University of Baroda, Gujarat, India.
2011	Northumbria PGR Bursary , Dealing with Disasters Conference 2011, Glamorgan University, Cardiff, Wales, UK.
2010-2013	RCCI – Northumbria University Doctoral Studentship , Doctor of Philosophy, Northumbria University, Newcastle-upon-Tyne, UK.
2008	Northumbria PGR Bursary , Dealing with Disasters Conference 2008, Glamorgan University, Cardiff, Wales, UK.
2007-2008	CLP-DFID UK Masters Fellowship , MSc in Disaster Management and Sustainable Development, Northumbria University, Newcastle-upon-Tyne, UK.
2007	XIDAS Seminar Travel Grant , National Seminar on Ecotourism & Sustainable Development, Xavier Institute of Development Action and Studies (XIDAS), Jabalpur, India.
2007	CLP Conference Grant , 3 rd Sustainability Conference, Madras University, Chennai, India.
1997-2000	University Merit Scholarship , Jahangirnagar University, Dhaka, Bangladesh.
1996-1997	University Entrance Scholarship , Jahangirnagar University, Dhaka, Bangladesh.
1989-1991	Government Primary School Merit Scholarship , Bangladesh.

Consulting Assignments and Project Activities

1. Climate Change Adaptation

Project Period: October, 2023 – December, 2026 (On-going)

Project Category: Climate Change, Soil Health and ICT Application

Position: Project Director

Position Type: Long Term

Project Title: Research Project on Prevention of Climate Change Induced Soil Erosion and Loss of Fertility through IoT and Data Science in Barind Tract (i-Soil Project)

Client: Rural Development Academy (RDA), Bogura

Funding: Bangladesh Climate Change Trust Fund (BCCTF), Government of Bangladesh (GoB)

: Acting as the **Project Director (PD)** for the BCCT financed i-Soil Project. The major objectives of the project are: (a) collecting data on soil nutrition (NPK, soil moisture and temperature) and local climate changes through internet of things (IoT) devices; (b) closely monitoring and forecasting climate change induced effects on soil erosion and fertility loss through data science and geo-informatics technologies and advising farmers and other stakeholders what they should do in this respect; (c) providing trainings on application of appropriate compost fertilizer based on the on soil and meteorological data as well as monitoring the performance of agricultural production; and (d) Increasing agricultural productivity through solar powered naturally ventilated polyhouse to manage changing temperature and humidity.

The conducted tasks for the project were to: (a) administer and monitor project activities at local level; (b) coordinate with the concerned ministries, BCCT, Upazila officers and farmers' groups; (c) conduct trainings, workshops and seminars; and (d) coordinate with consultants and research teams.

2. Poverty Reduction

Project Period: June, 2019 – August, 2021

Project Category: Poverty Reduction and Sustainable Development

Position: Deputy Project Director

Position Type: Long Term

Project Title: Poverty Reduction of the Marginal People under Kurigram and Jamalpur District (KAJ Project)

Client: Rural Development Academy (RDA), Bogura

Funding: Government of Bangladesh (GOB)

: Acted as the **Deputy Project Director (DPD)** for the government financed KAJ Project. The major objectives of the project are: (a) creating new employments for the extreme poor and the marginal people; (b) increasing income of the extreme poor through skilled development trainings, and asset and technology transfer; and (c) improving socioeconomic conditions (i.e. health, nutrition, safe water, sanitation, social awareness, women's empowerment) of the project beneficiaries. The project has been conducted in eight Upazilas (sub-districts) of Kurigram and Jamalpur districts. The total beneficiaries of the project are 33,000.

The conducted tasks for the project were to: (a) administer and monitor project activities at local level; (b) coordinate with the concerned ministries, Upazila officers and LGI representatives; (c) conduct baseline survey for selecting appropriate beneficiaries; (d) organise meetings for transferring assets to the beneficiaries; and (e) conduct skilled development trainings, meetings, seminars and symposiums.

3. Agricultural Development

Project Period: August, 2018 – October, 2018

Project Category: Agricultural Value Chain

Position: Consultant

Position Type: Short Term

Project Title: Agricultural Value Chain (AVC) Project

Client: Data Management Aid (DMA)

Funding: Feed the Future initiative, USAID and Development Alternatives, Inc. (DAI)

: DAI applied a market systems approach to agricultural value chains in Bangladesh's southern delta, home to 30 million people where poverty and malnutrition are acute and persistent, agricultural productivity is low, and farmers are not linked to markets. Funded under the Feed the Future initiative, this project strengthened 10 AVCs through a range of tools, platforms, and agreements to implement large-scale, systemic interventions. Agreements with 25 of the most influential private sector firms and organizations in the agricultural sector were forged. Through these agreements, AVC leveraged private sector interests and investment opportunities to drive more inclusive growth. The conducted tasks for the project were to: (a) organise meetings at local level stakeholders; (b) conduct focus group discussion (FGD) sessions with crop-specific farmers; and (c) analyse collected data and prepare report under the Annual Performance Survey 2018.

4. Food and Nutritional Security

Project Period: August, 2018 – September, 2018

Project Category: Food and Nutritional Security

Position: Consultant

Position Type: Short Term

Project Title: Feed the Future Bangladesh Rice and Diversified Crops (RDC) Activity

Client: Data Management Aid (DMA)

Funding: Feed the Future (USA)

: Bangladesh Rice and Diversified Crops (RDC) Activity funded by the USAID to improve food security through facilitating systemic changes that increased rural incomes. It was a five years' project from July 13, 2016 to July 12, 2021. The USD 24.5 million initiative targeted 500,000 farmers from the FtF zone in south-western Bangladesh. RDC catalysed market system changes that promoted a diversified farm management approach focused on intensified production of rice and production of higher-value, nutrient-rich crops, improve food security and nutrition. Diversified crops that RDC initially target included: maize, oilseeds (mustard, sunflower, ground nuts and sesame) and pulses (lentils and mung bean).

The conducted tasks for the project were to: (a) organise meetings at local level stakeholders; (b) conduct focus group discussion (FGD) sessions with crop-specific farmers; and (c) analyse collected data and prepare evaluation report.

5. Agricultural Development

Project Period: August, 2016 – September, 2016

Project Category: Agricultural Value Chain

Position: Consultant

Position Type: Short Term

Project Title: Agricultural Value Chain (AVC) Project

Client: Data Management Aid (DMA)

Funding: Feed the Future Initiative, USAID and Development Alternatives, Inc. (DAI)

: Like the Annual Performance Survey 2018 of Agricultural Value Chain (AVC) Project, acted as a Consultant for the Annual Performance Survey 2016. The conducted tasks for the project were to: (a) organise meetings at local level stakeholders; (b) conduct focus group discussion (FGD) sessions with crop-specific farmers; and (c) analyse collected data and prepare report under the Annual Performance Survey 2016.

6. Social Safety Net

Project Period: July, 2012 – September, 2012

Project Category: Vulnerability Assessment and Social Safety Net

Position: Consultant

Position Type: Short Term

Project Title: Impact of Vulnerable Group Development (VGD) Programme

Client: Ministry of Women and Children Affairs, GOB

Funding: Government of Bangladesh (GOB)

: The Government of Bangladesh has been implementing different types of social safety net programmes (SSNPs) including Vulnerable Group Development (VGD) programme in the country since its independence. VGD covers around 750,000 ultra-poor women across the country. It aims to reach the ultra-poor rural women with complementary inputs to be self-reliance through improving their nutritional status and livelihoods. The programme is being coordinated by the Ministry of Women and Children Affairs and implemented by the Department of Women Affairs with the support of UNWFP, the European Commission and the governments of Australia, Canada, Germany and France.

RDA, Bogura conducted the impact evaluation of the programme cycle 2009-2010. The conducted tasks for the project were to: (a) plan for fieldwork in seven districts and prepare survey instruments; (b) conduct questionnaire survey, focus group discussion (FGD) and participatory rural appraisal (PRA) sessions and case studies; and (c) analyse collected data and prepare evaluation report.

7. Migration and Culture

Project Period: April, 2014 – June, 2015

Project Category: International Migration and Acculturation

Position: Research Assistant (Part Time)

Position Type: Long Term

Project Title: Differential Acculturation and Its Impact on Wellbeing among Bangladeshi Migrants in the North-East and South (London), UK

Client: Department of Anthropology, University of Durham, UK

Funding: Economic and Social Research Council (ESRC), UK

: The UK Research and Innovation (UKRI) funded project comprised an in-depth comparison of the acculturation experiences of multiple generations of British Bangladeshis settled in Northeast UK and London, and its sequelae for mental and physiological wellbeing. The purpose of this cross-regional study was therefore to compare acculturation and related wellbeing of migrant Bangladeshis in: 1) a densely settled minority context (London), and 2) a sparsely settled context (NE UK). Through questionnaires, interviews, and focus group discussions data was collated and analysed data regarding migration history, acculturation, perceived discrimination, lifestyle and self-reported wellbeing of these UK British-Bangladeshis.

The conducted tasks for the project were to: (a) organise meetings at local level stakeholders; (b) conduct questionnaire survey, focus group discussion (FGD) and participatory rural appraisal (PRA) sessions and case studies; and (c) analyse collected data and prepare project reports.

8. Disaster Resilience

Project Period: January, 2013 – March, 2013

Project Category: Disaster, Vulnerability and Resilience

Position: Research Assistant (Part Time)

Position Type: Short Term

Project Title: Disaster Education for Community Resilience in Zimbabwe and Bangladesh

Client: Development Partnerships in Higher Education (DelpHE) Project, BRAC University (Bangladesh), Northumbria University (UK) and Bindura University of Science Education (Zimbabwe)

Funding: DFID and British Council

: The Developing Partnerships in Higher Education (DelpHE) project supported partnerships between universities and other higher education institutions across the world. The aim of the programme was to contribute to achieving the United Nations Millennium Development Goals. Zimbabwe's Bindura University made great strides in their community through the DelpHE project. Having been involved with DelpHE since 2010, Bindura University partnered Northumbria University (UK) and BRAC University (Bangladesh). The three worked on a disaster management project which has changed the landscape and approach to disasters in Zimbabwe.

The conducted tasks for the project were to: (a) organise several meetings in UK and Bangladesh, and an international conference in Zimbabwe; and (b) conduct in-depth interviews in Muzarabani, Zimbabwe.

9. Disaster Resilience

Project Period: July, 2008 – September, 2008

Project Category: Health Security and Disaster Resilience

Position: Research Assistant (Part Time)

Position Type: Short Term

Project Title: The Meaning of Health Security for Disaster Resilience in Bangladesh: a health security framework for disaster risk reduction

Client: Northumbria University, Newcastle-upon-Tyne, UK

Funding: Economic and Social Research Council (ESRC), UK

: This main aim of the project was to assess how health influences vulnerability to major disaster events. This was to contribute to a goal of poverty and disaster risk reduction through improved health security. The following overall research objectives were developed centred on the case of Bangladesh to: (a) identify how health security influences vulnerability and resilience to disasters; (b) assess how health security monitoring can facilitate early warning and preparedness against changing thresholds of disaster risk; and (c) evaluate which approaches to health security enable people to monitor resilience as an aid to mitigating the impact of disaster events.

The conducted tasks for the project were to: (a) organise several meetings in UK and Bangladesh; and (b) translate several documents including field interviews from Bangla to English.

10. Sustainable Rural Livelihoods

Project Period: January, 2005 – August, 2007

Project Category: Poverty Alleviation, Sustainable Livelihoods and Rural Development

Position: Young Professional

Position Type: Long Term

Project Title: Chars Livelihoods Programme (CLP)

Client: Maxwell Stamp PCL

Funding: Government of Bangladesh (GOB), DFID (UK) and Australian Aid (Australia)

: The Chars Livelihoods Programme (CLP) worked with extreme poor households living on island Chars in north western Bangladesh, and aimed to improve the livelihoods of over one million people. The CLP was jointly funded by UKaid through the Department for International Development (DFID) and the Australian Government (Australian Aid) through the Department of Foreign Affairs and Trade (DFAT), sponsored by the Rural Development and Co-operatives Division of the Government of Bangladesh's Ministry of Local Government, Rural Development and Co-operatives, and implemented through Maxwell Stamp Plc. The CLP (CLP-1) ran between 2004-2016 under two phases, and worked on the chars of the Jamuna River in the districts of Kurigram, Lalmonhirat, Nilphamari, Rangpur, Gaibandha, Bogura, Sirajgonj, Jamalpur, Tangail and Pabna. CLP-1 and CLP-2 targeted 55,000 and 78,000 of the poorest households, respectively.

The conducted tasks for the project were to: (a) conduct questionnaire survey, focus group discussion (FGD) and participatory rural appraisal (PRA) sessions and case studies; (b) analyse collected data and prepare project reports; (c) monitor project activities at village level; and (d) coordinate with project personnel.

Extra-Curriculum Activities and Memberships

Lifetime Member, Rajshahi Public Library, Rajshahi, Bangladesh | 2026 – until now

Lifetime Member, Bangladesh Red Crescent Society, Rajshahi Chapter, Bangladesh | 2026 – until now

Member, Technical Committee, National Rural Development Policy 2025 | 2025 – till now

Member, Bogura Itihas Chorchha Parishad, Bogura, Bangladesh | 2025 – till now

President, RDA Officers' Association, Bogura, Bangladesh | 2024 – 2025

Focal Point Person, The Doha Programme of Action for the Least Developed Countries for the Decade 2022-2031 (DPoA), RDA, Bogura, Bangladesh | 2022 – until now

Member, Committee for Courses, Dept. of Geography and Environment, Pabna University of Science and Technology (PUST), Pabna, Bangladesh | 2022 – until now

Focal Point Person, National Integrity Strategy (NIS) Affairs, RDA, Bogura, Bangladesh | 2022 – 2025

Executive Editor, Bangladesh Rural Development Studies (Journal of RDA), RDA, Bogura, Bangladesh | 2021 – until now

Member, Research Committee, RDA, Bogura, Bangladesh | 2021 – until now and 2005 – 2009

Member, Training Committee, RDA, Bogura, Bangladesh | 2021 – until now

Chairperson, Research Committee, RDA, Bogura, Bangladesh | 2021

Chairperson, Publication Committee, RDA, Bogura, Bangladesh | 2021

Lifetime Member, Geography Alumni Association, Jahangirnagar University, Savar, Dhaka, Bangladesh | 2021 – until now

Focal Point Person, Annual Performance Agreement (APA) Affairs, RDA, Bogura, Bangladesh | 2020 – 2021

Focal Point Person, Sustainable Development Goals (SDGs) Affairs, RDA, Bogura, Bangladesh | 2019 – until now

Focal Point Person, Bangladesh Geographical Information System Platform (BGISP), RDA, Bogura, Bangladesh | 2019 – until now

Lifetime Member, Bangladesh National Geographical Association (BNGA), Bangladesh | 2019 – until now

Lifetime Member, Heritage Rajshahi, Rajshahi, Bangladesh | 2018 – until now

Editor, RDA Newsletter, RDA, Bogura, Bangladesh | 2017 – until now

General Secretary, RDA Officers' Association, Bogura, Bangladesh | 2016 – 2021

Affiliate Researcher, Disaster and Development Network (DDN), Northumbria University, Newcastle-upon-Tyne, UK | 2013 – until now

Member, Focal Point Operational Co-ordination Group (FPOCG), Comprehensive Disaster Management Programme (CDMP), Bangladesh | 2009–2010

Assistant Presiding Officer, Upazila Parishad (Sub-District Council) Election 2008, Bangladesh | 2008

Assistant Presiding Officer, National Parliament Election 2008, Bangladesh | 2008

Volunteer Ambassador, Royal Geographic Society (RGS) at Northumbria University | 2008

Member, Gender and Disaster Network (GDN) | 2007 – until now

Affiliated Member, Disaster and Development Centre (DDC), 2007–2013

External Supervisor, Discipline of Urban & Rural planning, Khulna University, Khulna, Bangladesh | 2006

Sports and Cultural Secretary, RDA Officers' Association, RDA, Bogura, Bangladesh | 2006-2007

Secretary, Faculty Council, RDA, Bogura, Bangladesh | 2005 & 2010

Member, RDA Officers' Association, RDA, Bogura, Bangladesh | 2004 – until now

Faculty Member, Faculty Council, RDA, Bogura, Bangladesh | 2004 – until now

Class Representative, Department of Geography & Environment, Jahangirnagar University | 1998-1999

Research Publications

- (23) Ali, M. Y., Islam, R. & **Mohammad, S. M.** (2026). Modeling land use land cover dynamics of Rajshahi City with geospatial techniques. In J. Das, T. Mandal, G. Mawale, M. Kamruzzaman, & G. M. M. Alam (Eds.), *The nexus between geography and sustainability: Exploring emerging tools and techniques*, 349–368. Springer Nature Switzerland. https://doi.org/10.1007/978-3-032-11300-9_15
- (22) Reza, M., Hossain, I., Hossain, S. M. S., Ahmed, S. T., & **Mohammad, S. M.** (2025). A geographical analysis of the July Student-Mass Uprising (in Bangla). *Samajbiggayan Samikkha (Social Science Review)*, 8, 199–214.
- (21) **Mohammad, S. M.** (2024). Ancient and present cities and towns along the Ganges-Padma river (in Bangla). *Mononrekha – Padma*, 177–185.
- (20) Ahmed, R., **Mohammad, S. M.**, Coalee, U. M., & Mahmud, K. H. (2023). A GIS and remote sensing based multicriteria analysis for identifying potential agricultural land: A case study on Savar Upazila, Bangladesh. *Bangladesh Rural Development Studies*, 26(1), 13–26.
- (19) Mahmud, M. R., **Mohammad, S. M.**, & Munna, H. I. (2023). Live and livelihoods in wetland waterlogging: Study from southwest Bangladesh. *Bangladesh Rural Development Studies*, 26(1), 39–47.
- (18) **Mohammad, S. M.**, & Siddiqui, M. (2022). Economic activities of the region along the Karatoya river: A spatial analysis (in Bangla). *Jahangirnagar Bishwavidyalay Bhugol O Paribesh Samikkhan*, 41, 77–85.
- (17) Jahan, N., & **Mohammad, S. M.** (2022). *Community radio in rural development of Bangladesh: Analysing the social media content of Krishi Radio 98.8 FM*. Rural Development Academy, Bogura.
- (16) Siddiqui, M., & **Mohammad, S. M.** (2021). *River Karatoya and its surrounding lives: Past and present* (in Bangla). Rural Development Academy, Bogura.
- (15) **Mohammad, S. M.** (2017). Community response to Sidr and Aila: A comparative study on cyclone survivors in Bangladesh. *Bangladesh Rural Development Studies*, 20(1), 39–49.
- (14) Jahan, N., Rahman, M. M., Amin, M. N., **Mohammad, S. M.**, & Islam, M. R. (2017). *Feasibility study on poverty free Kurigram district* (in Bangla). Rural Development Academy, Bogura.
- (13) **Mohammad, S. M.**, & Mohammad, S. S. (2016). Changing pattern of rural livelihoods in Bangladesh: An impact study on the Hatikumrul–Bonpara Highway in Chalan Beel. *Bangladesh Rural Development Studies*, 19(1), 49–58.
- (12) **Mohammad, S. M.** (2015). Local environmental exposure and community vulnerability to climatic hazards in Bangladesh. *Bangladesh Rural Development Studies*, 18(1), 105–117.
- (11) **Mohammad, S. M.** (2015). *Role of women in disaster preparedness and response: Cases of cyclone Sidr of 2007 and Aila of 2009*. Rural Development Academy, Bogura.
- (10) **Mohammad, S. M.** (2014). Understanding disaster impacts through a gendered lens: A study on the char-dwellers of the Jamuna river in Bangladesh. *Bangladesh Rural Development Studies*, 17(1), 63–74.

- (9) Rahman, M. M., Amin, M. N., Anowar, M. M., Mohiuddin, M., & **Mohammad, S. M.** (2014). *Impact of Vulnerable Group Development (VGD) Programme*. Rural Development Academy, Bogura.
- (8) **Mohammad, S. M.**, & Collins, A. E. (2013). Disaster risk reduction in Bangladesh as an adaptation strategy for climate change. In S. Perera, H. J. Henriksen, A. Revez, & I. Shklovski (Eds.), *Proceedings of the First ANDROID Residential Doctoral School Work Package III*, 93–101. https://www.preventionweb.net/files/35236_36497finaproceedingsrds20131.pdf
- (7) **Mohammad, S. M.**, & Collins, A. E. (2013). People's perception on climate change and adaptation strategies: A comparative study from Bangladesh. In R. Stojanov, Z. Žalud, P. Cudlín, A. Farda, O. Urban, & M. Trnka (Eds.), *Global change and resilience: From impacts to responses – Proceedings of the 3rd Annual Global Change and Resilience Conference*, 55–60. http://www.czechglobe.cz/media/filer_public/03/75/0375ec0d-92c4-45ac-ab60-d1bfab76ced1/conference-proceedings.pdf
- (6) **Mohammad, S. M.**, & Collins, A. E. (2013). A socio-economic geography of disaster and development at Char Sthal Noahata, Bangladesh. In S. A. Singh, A. Phadke, V. Kurhekar, S. Roy and P. K. Savanur (Eds.), *Proceedings of UGC Sponsored Two Day International Conference on Geography of Change: Contemporary Issues in Development, Environment and Society*, 113–124. https://www.vpmthane.org/comm/Geography_of_Change_Proceedings_Jan.2013.pdf
- (5) **Mohammad, S. M.** (2012). Livelihood strategies to environmental disasters: A qualitative study on the flood victims from the Jamuna river basin in Bangladesh. *The Sylhet International University Studies*, 3(1), 61–72.
- (4) **Mohammad, S. M.**, & Mohammad, S. S. (2012). *Impact of the Hatikumrul-Bonpara Highway on rural livelihoods of the Chalan Beel*. Rural Development Academy, Bogura.
- (3) **Mohammad, S. M.** (2010). Globalisation and environmental sustainability: An overview of coastal Bangladesh. *Bangladesh Rural Development Studies*, 13(1), 43–64.
- (2) **Mohammad, S. M.** (2008). Impact of deforestation on environment: A case of the Sal forest in Dinajpur. *Bangladesh Rural Development Studies*, 12(2), 31–42.
- (1) **Mohammad, S. M.** (2008). Madhupur Eco-Park: Sustainable or vulnerable context of livelihood. In S. L. Raj, SJ & U. C. Saha (Eds.), *Ecotourism and Sustainable Development*. XIDAS Publications.

Ongoing Research Activities

- (4) **Mohammad, S. M.**, Ali, M. Y., and Islam, M. R. (Reviewing stage). *Monitoring climatic drought in Naogaon district with geospatial techniques*. Bogura, Bangladesh: RDA.
- (3) **Mohammad, S. M.** and Mohammad, S. S. (Reviewing stage). *Woman Centred Disaster Risk Management and Climate Change Adaptation: Roles of Gender and Culture in Rural Bangladesh*. Bogura, Bangladesh: RDA.
- (2) Siddiqui, M. and **Mohammad, S. M.** (Reviewing stage). *Ichhamoti and Its Surrounding Socioeconomic Conditions* (in Bangla). Bogura, Bangladesh: RDA.
- (1) **Mohammad, S. M.** (Reviewing stage) *Women Participation in Disaster Risk Reduction in Bangladesh*. Bogura, Bangladesh: RDA.

Non-Referred Contributions

- (50) **Mohammad, S. M.**, “Session 4 – Track 3: Geography and Environment”, *International conference on Emerging Frontiers in Advanced Sciences and Technologies 2026 (EFAST 2026)*, 27-28 June, 2026, Pabna University of Science and Technology, Pabna, Bangladesh. (Session chair)
- (49) **Mohammad, S. M.**, “Monitoring climatic drought in Naogaon district with geospatial techniques”, *International conference on Emerging Frontiers in Advanced Sciences and Technologies 2026*

(EFAST 2026), 27-28 June, 2026, Pabna University of Science and Technology, Pabna, Bangladesh. (Oral presentation)

- (48) **Mohammad, S. M.**, *Seminar on Establishment and Activities of RDA*, 19 June, 2026, Rural Development Academy, Bogura, Bangladesh. (Convener)
- (47) **Mohammad, S. M.**, “Citizen’s challenges and expectations from future Bogura city”, *Seminar on Citizen’s Challenges and Expectations for the Sustainable Development of Recently Formed Bogura City Corporation*, 13 June, 2026, Sustainable Livelihood Research Centre, Bogura, Bangladesh. (Discussant)
- (46) **Mohammad, S. M.**, “Maulana Bhasani, Farakka Long March and the 1996 Ganges Water Treaty: A multi-stakeholders’ thoughts”, *National seminar on the 50th Anniversary of the Historic Farakka Long March*, 16 May, 2026, University of Rajshahi, Rajshahi, Bangladesh. (Keynote speech)
- (45) **Mohammad, S. M.**, “The History and Heritage of Bogura: Miscellaneous”, *International conference on the history and heritage of Bogura – 2026*, 02-03 January, 2026, Rural Development Academy (RDA), Bogura, Bangladesh. (Session chair)
- (44) **Mohammad, S. M.**, “Riverside community life along the Korotoa river in Bogura: A spatial analysis”, *International conference on the history and heritage of Bogura – 2026*, 02-03 January, 2026, Rural Development Academy (RDA), Bogura, Bangladesh. (Oral presentation)
- (43) **Mohammad, S. M.**, *Seminar on For ALL women and girls: Rights. Equality. Empowerment*, 08 March, 2025, Rural Development Academy, Bogura, Bangladesh. (Convener)
- (42) **Mohammad, S. M.**, *Inception workshop on the project activities of i-Soil Project*, 29 September, 2024, Rural Development Academy, Bogura, Bangladesh. (Convener)
- (41) **Mohammad, S. M.**, “Local knowledge, experiences and practices in Brahmaputra-Jamuna River basin: Community responses to disasters in a changing environment”, *International conference on transboundary rivers of South Asia: Fostering regional collaboration for environmental sustainability*, 07-08 May, 2024, North South University, Dhaka, Bangladesh. (Oral presentation)
- (40) **Mohammad, S. M.**, *Seminar on DigitALL: Innovation and technology for gender equality*, 08 March, 2023, Rural Development Academy, Bogura, Bangladesh. (Convener)
- (39) **Mohammad, S. M.**, “The proporous Chars: Roles of RDA in sustainable rural development”, *Seminar on Char Development*, 22 June, 2022, Rural Development Academy, Bogura, Bangladesh. (Keynote Speech)
- (38) **Mohammad, S. M.**, “External response to community resilience at climate induced disaster prone areas in Bangladesh”, *Departmental seminar lecture series of the Department of Geography and Environment*, 10 February, 2022, Jahangirnagar University, Savar, Dhaka, Bangladesh. (Oral presentation)
- (37) **Mohammad, S. M.**, “River for human”, *Discussion on World River Day 2021*, 26 September, 2021, Begum Rokeya University, Rangpur, Bangladesh. (Discussant)
- (36) **Mohammad, S. M.**, “Lives and livelihoods surrounding Korotoa river”, *Seminar on 46 rivers in Panchgarh: Potentiality and plan*, 25 September, 2021, Bhumiz, Panchgarh, Bangladesh. (Discussant)
- (35) **Mohammad, S. M.**, *National workshop on integrated agricultural development for Haor livelihoods*, 23 June, 2021, Rural Development Academy, Bogura, Bangladesh. (Convener)
- (34) **Mohammad, S. M.**, “River Korotoa and its surrounding lifestyle”, *Seminar on RDA research highlights*, 04-05 April, 2021, Rural Development Academy, Bogura, Bangladesh. (Oral presentation)
- (33) **Mohammad, S. M.**, “National disaster management strategies in Bangladesh”, *AARDO-AHKNCRD organised online training programme on “Disaster risk reduction and management”*, 14-18 December, 2020, Akhtar Hamed Khan National Centre for Rural Development (AHKNCRD), Islamabad, Pakistan. (Oral presentation)

- (32) **Mohammad, S. M.**, “Way forward on sustainable rural development in Bangladesh”, *Malaysian Technical Cooperation Programme (MTCP) on sustainable rural development for SIDS and Asian countries*, 14-25 July, 2019, Institute for Rural Advancement (INFRA), Kuala Lumpur, Malaysia. (Oral presentation)
- (31) **Mohammad, S. M.**, “River Bhairab: Source and lost flow”, *BNGA regional seminar on delta development plan*, 04 April, 2019, Govt. M. M. College, Jashore, Bangladesh. (Discussant)
- (30) **Mohammad, S. M.**, “The historical river Korotoa: Its past, present and future”, *BNGA regional seminar on environment and development thoughts of Panchgarh*, 23 November, 2018, Nazrul Library Auditorium, Panchgarh, Bangladesh. (Discussant)
- (29) **Mohammad, S. M.**, “Disability, vulnerability and disaster: A case of flood 2017 in Bangladesh”, *2nd international conference 2018 on disability and disaster risk management*, 15-17 May, 2018, Bangabandhu International Conference Center (BICC), Dhaka, Bangladesh. (Oral presentation)
- (28) **Mohammad, S. M.**, “Chronological development of disaster management in Bangladesh”, *Departmental seminar lecture series of the Department of Geography and Environment*, 18 March, 2018, Jahangirnagar University, Savar, Dhaka, Bangladesh. (Oral presentation)
- (27) **Mohammad, S. M.**, Kamruzzaman, M., Hossain, M. F., Sultana, F. N., and Islam, M. S., “Financial inclusion and rural transformation in Bangladesh”, *International training workshop on achieving sustainable development goals (SDGs): Financial inclusion and rural transformation*, 17-28 February, 2018, Bangladesh Academy for Rural Development (BARD), Cumilla, Bangladesh. (Oral presentation)
- (26) **Mohammad, S. M.**, “Rural marginalisation, local environmental exposure and community vulnerability to climatic hazards in Bangladesh”, *International seminar on natural resource management*, 26 January, 2017, Institute of Bangladesh Studies (IBS), University of Rajshahi, Rajshahi, Bangladesh. (Oral presentation)
- (25) Hoq, W., & **Mohammad, S. M.**, “Agricultural insurance in Bangladesh: Prospects and challenges”, *APO-CIRDAP-DAR organised workshop on agricultural insurance systems*, 28 November - 02 December, 2016, Greenhills Elan Hotel Modern, Manila, the Philippines. (Oral presentation)
- (24) **Mohammad, S. M.**, “Potentials of RDA models for drought risk management under climate change in Barind Tract”, *International seminar on climate groundwater and agricultural production: Barind area, NW Bangladesh*, 09 November, 2016, University of Rajshahi, Rajshahi, Bangladesh. (Oral presentation)
- (23) **Mohammad, S. M.**, “Disaster risk reduction in Bangladesh as adaptation to climate change”, *International conference on climate change adaptation strategies in Bangladesh*, 14 May, 2016, Department of Agricultural Extension (DAE), Dhaka, Bangladesh. (Poster presentation)
- (22) **Mohammad, S. M.**, “Adaptation to climate change through disaster risk reduction in Bangladesh: Community engagement in local level intervention”, *RDA Faculty Council presentation*, 04 April, 2016, RDA, Bogura, Bangladesh. (Oral presentation)
- (21) **Mohammad, S. M.**, “Globalisation, environmental disasters and migration in the transformation of the cultural landscape of southwest Bangladesh”, *Departmental seminar lecture series*, 06 February, 2015, Department of Geography, Northumbria University, Newcastle-upon-Tyne, United Kingdom. (Oral presentation)
- (20) **Mohammad, S. M.**, “Local environmental exposure and community vulnerability to climatic hazards in Bangladesh”, *2014 summer institute for disaster and risk research: Disaster and risk in a changing world*, 28 July – 08 August, 2014, Beijing Normal University, Beijing, PR China. (Oral presentation)
- (19) **Mohammad, S. M.**, & Collins, A. E., “Disaster risk reduction in Bangladesh as adaptation to climate change”, *Northumbria University research conference 2014*, 21-22 May, 2014, Northumbria University, Newcastle-upon-Tyne, United Kingdom. (Poster presentation)

- (18) **Mohammad, S. M.**, “Disaster risk reduction in Bangladesh as adaptation to climate change”, *British Sociological Association (BSA) regional postgraduate day: “Ending the apprenticeship: From PhD student to early career researcher”*, 03 April, 2014, Northumbria University, Newcastle upon Tyne, United Kingdom. (Oral presentation)
- (17) **Mohammad, S. M.**, “Disaster risk reduction in Bangladesh as an adaptation strategy for climate change”, *ANDROID Residential Doctoral School (RDS) workshop on disaster resilience*, 23-24 October, 2013, ANDROID Disaster Resilience Network, Limassol, Cyprus. (Oral presentation)
- (16) **Mohammad, S. M.**, “Belief and motivation in cyclone early warning amongst women in coastal Bangladesh”, *International conference on dealing with disasters (DwD 2013) together with the 4th conference of the International Society for Integrated Disaster Risk Management (IDRiM 2013)*, 04-06 September, 2013, Northumbria University, Newcastle-upon-Tyne, United Kingdom. (Oral presentation)
- (15) **Mohammad, S. M.**, “History of cyclone management in Bangladesh”, *International seminar on human aspects of climate change: Adaptation, management and lessons from history*, 27 May, 2013, Global Change Research Centre and Mendel University, Brno, Czechia. (Oral presentation)
- (14) **Mohammad, S. M.**, & Collins A. E., “People’s perception on climate change and adaptation strategies: A comparative study from Bangladesh”, *International conference on global change and resilience*, 22-24 May, 2013, Global Change Research Centre and Mendel University, Brno, Czechia. (Poster presentation)
- (13) **Mohammad, S. M.**, “Disaster risk reduction and climate change adaptation in Bangladesh: Learning from the community”, *International conference on disaster education and community resilience*, 26-27 March, 2013, Bindura University of Science Education, Bindura, Zimbabwe. (Oral presentation)
- (12) **Mohammad, S. M.**, “Globalisation, environmental disasters and displacement: The case of shrimp farming in coastal Bangladesh”, *National seminar on climate change and sustainable development: Issues and challenges*, 23-24 January, 2013, Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India. (Oral presentation)
- (11) **Mohammad, S. M.**, “Environmental disasters and livelihood diversification: A case study on char dwellers of Jamuna river in Bangladesh”, *International conference on development, environment and sustainable livelihood*, 18-19 January, 2013, University of Burdwan, Burdwan, West Bengal, India. (Oral presentation)
- (10) **Mohammad, S. M.**, “A socio-economic geography of disaster and development at Char Sthal Noahata, Bangladesh”, *International seminar on geography of change: Contemporary issues in development, environment and society*, 11-12 January, 2013, Vidya Prasarak Mandal’s K.G. Joshi College of Arts and N.G. Bedekar College of Commerce, Thane, Maharashtra, India. (Oral presentation)
- (9) **Mohammad, S. M.**, “Adaptation to climate change through disaster risk reduction: A disaster – climate change nexus in Bangladesh”, *Geography and environmental management (GEM) research seminars 2012*, 21 November, 2012, Northumbria University, Newcastle-upon-Tyne, United Kingdom. (Oral presentation)
- (8) **Mohammad, S. M.**, “Disaster management in Bangladesh in climate change context”, *Department seminar lecture*, 18 April, 2012, Department of Disaster Management, Begum Rokeya University, Rangpur, Bangladesh. (Oral presentation)
- (7) **Mohammad, S. M.**, “People’s vulnerability to the 2007 flood: A participatory gender-centric study on char-dwellers of Jamuna river, Bangladesh”, *International seminar on population, development and disaster management*, 08-11 February, 2012, Tripura University, Agartala, Tripura, India. (Oral presentation)
- (6) **Mohammad, S. M.**, “Women’s vulnerability to cyclones in Bangladesh: A case study of Sidr in 2007”, *Dealing with disaster international conference 2011 on reflections on recent disasters: The*

past 20 years, 28 November, 2011, University of Glamorgan, Cardiff, Wales, United Kingdom. (Oral presentation)

- (5) **Mohammad, S. M.**, “People’s vulnerability and adaptations to floods: A study on the char-dwellers of the Jamuna river in Bangladesh”, *RDA Faculty Council presentation*, 20 October, 2008, Rural Development Academy, Bogra, Bangladesh. (Oral presentation)
- (4) **Mohammad, S. M.**, “Why is geography important to study in higher education?” *Seminar lecture organised by Royal Geographic Society*, 18 February, 2008, Gateshead Secondary School, Gateshead, United Kingdom. (Oral presentation)
- (3) **Mohammad, S. M.**, “Women-led cyclone management in coastal Bangladesh”, *GEM departmental poster presentation*, 25 January, 2008, Northumbria University, Newcastle-upon-Tyne, United Kingdom. (Poster presentation)
- (2) **Mohammad, S. M.**, “Disaster management and sustainable development nexus in rural Bangladesh”, *GEM departmental oral presentation*, 19 October, 2007, Northumbria University, Newcastle-upon-Tyne, United Kingdom. (Oral presentation)
- (1) **Mohammad, S. M.**, “Madhupur Eco-park: Sustainable or vulnerable context of livelihoods for ethnic Garos?” *National seminar on ecotourism and sustainable development*, 08-10 March, 2007, Xavier Institute of Development Action and Studies (XIDAS), Jabalpur, Madhya Pradesh, India. (Oral presentation)

Countries visited

Austria, China, Cyprus, Czechia, France, Greece, Hungary, India, Italy, Kuwait, Malaysia, Nepal, Netherlands, Nigeria, Pakistan, Philippines, Saudi Arabia, Singapore, Slovakia, Switzerland, United Arab Emirates, United Kingdom and Zimbabwe.