

## Dr. Shaikh Mehdee Mohammad

### *Joint Director*

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### **Education**

**PhD**, Department of Geography and Environmental Sciences, Northumbria University, Newcastle-upon-Tyne, UK | 2016

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

**MSc in Disaster Management and Sustainable Development**, Northumbria University, Newcastle-upon-Tyne, UK | 2009      Result: Commendation (66%)

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)

**MSc in Geography and Environment** (Thesis Group), Jahangirnagar University, Dhaka, Bangladesh | 2000      Result: First Class 5<sup>th</sup> position (62%)

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)

**BSc (Honours) in Geography and Environment**, Jahangirnagar University, Dhaka, Bangladesh | 1999      Result: Second Class 6<sup>th</sup> position (59%)

### **Awards, Fellowship and Scholarship**

APO-CIRDAP Fund, International Workshop on Agricultural Insurance Systems, Manila, Philippines | 2016

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 | 2014

ANDROID Residential Doctoral School (RDS) Scholarship, Disaster Resilience Workshop, Limassol, Cyprus | 2013

Northumbria PGR Bursary, 4<sup>th</sup> UNISDR Global Platform Meeting, Geneva, Switzerland | 2013

Conference Award, International Conference on Global Change and Resilience, Mendel University, Brno, The Czech Republic | 2013

DeIPHE Project Conference Award, International Conference on Disaster Education and Community Resilience, Bindura University, Zimbabwe | 2013

Seminar Travel Award, International Seminar on Climate Change and Sustainable Development, Maharaja Sayajirao University of Baroda, Gujarat, India | 2013

Northumbria PGR Bursary, Dealing with Disasters Conference 2011, Glamorgan University, Cardiff, Wales, UK | 2011

RCCI – Northumbria University Doctoral Studentship | 2010-2013

Northumbria PGR Bursary, Dealing with Disasters Conference 2008, Glamorgan University, Cardiff, Wales, UK | 2008

CLP-DFID UK Masters Fellowship | 2007-2008

Seminar Travel Award, National Seminar on Ecotourism & Sustainable Development, Xavier Institute of Development Action and Studies (XIDAS), Jabalpur, India | 2007

CLP Conference Award, 3<sup>rd</sup> Sustainability Conference, Madras University, Chennai, India | 2007

University Merit Scholarship, Jahangirnagar University, Bangladesh | 1997-2000

University Entrance Scholarship, Jahangirnagar University, Bangladesh | 1996-1997

Government Primary School Merit Scholarship, Bangladesh | 1989-1991

## Major Work Experiences

**Joint Director** | December 2015 – to date

Rural Development Academy (RDA), Bogura, Bangladesh

**Deputy Director** | August 2010 – December 2015

Rural Development Academy (RDA), Bogura, Bangladesh

**Assistant Director** | November 2004 – August 2010

Rural Development Academy (RDA), Bogura, Bangladesh

## Other Work Experiences

**Deputy Project Director** (Additional Charge) | June 2019 – to date

GoB funded Project on *Poverty Reduction of the Marginalised People of Kurigram and Jamalpur Districts (KAJ Project)*, Rural Development Academy (RDA), Bogura, Bangladesh.

**Research Assistant** (Part-time) | April 2014 – June 2015

Economic and Social Research Council (ESRC) funded Project, *'Differential Acculturation and its Impact on Wellbeing among Bangladeshi Migrants in the North-East and South (London), UK'*, Department of Anthropology, University of Durham, UK.

**Research Assistant** (Part-time) | January 2013 – March 2013

Northumbria University Led DFID and British Council Development Partnerships in Higher Education (DeIPHE) Project, *'Disaster Education for Community Resilience in Zimbabwe and Bangladesh'*, with Department of Geography, Bindura University of Science Education (BUSE), Zimbabwe and BRAC University, Bangladesh. Available at: <http://www.decrez.org/>

**Research Assistant** (Part-time) | July 2008 – September 2008

Economic and Social Research Council (ESRC) funded *'The Meaning of Health Security for Disaster Resilience in Bangladesh: a health security framework for disaster risk reduction'*. Northumbria University, Newcastle-upon-Tyne, UK.

**Young Professional** (Part-time) | January 2005 – August 2007

DFID funded Chars Livelihoods Programme (CLP), Rural Development Academy (RDA), Bogura, Bangladesh.

**Research Assistant** | July – December 2003

*'Indigenous Hydroponic Practice for Poverty Alleviation Project'*, Department of Geography and Environment, Jahangirnagar University, Dhaka, Bangladesh.

## Extra-Curriculum Activities and Memberships

Editor, RDA Newsletter, RDA, Bogura, Bangladesh | 2017 – to date

General Secretary, RDA Officers' Association, Bogra, Bangladesh | 2016 – to date

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

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 – to date

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, Officers' Association, RDA, Bogura, Bangladesh | 2006-2007

Member, Research Committee, RDA, Bogura, Bangladesh | 2005-2009

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

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

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

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

## Research Publications

- (16) Siddiqui, M. and **Mohammad, S. M.** (in press). *Mythological River Korota and Its Surrounding Lives* (in Bangla). Bogura, Bangladesh: RDA.
- (15) **Mohammad, S. M.** (2017). Community Response to Sidr and Aila: A Comparative Study on Cyclone Survivors in Bangladesh. *RDA Journal of Bangladesh Rural Development Studies*, 20(1): 39-49.
- (14) Jahan, N., Rahman, M. M., Amin, M. N., **Mohammad, S. M.** and Islam, M. R. (2017). *Poverty Free Kurigram Feasibility Study* (in Bangla). Bogra, Bangladesh: RDA.
- (13) **Mohammad, S. M.** and Mohammad, S. S. (2016). Changing Pattern of Rural Livelihoods in Bangladesh: An Impact Study on the Hatikumrul–Bonpara Highway in Chalan Beel. *RDA Journal of Bangladesh Rural Development Studies*, 19(1): 49-58.
- (12) **Mohammad, S. M.** (2015). Local Environmental Exposure and Community Vulnerability to Climatic Hazards in Bangladesh. *RDA Journal of 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*. Bogra, Bangladesh: RDA.
- (10) **Mohammad, S. M.** (2014). Understanding Disaster Impacts through a Gendered Lens: A Study on the Char-dwellers of the Jamuna River in Bangladesh. *RDA Journal of Bangladesh Rural Development Studies*, 17(1): 63-74.
- (9) Rahman, M. M., Amin, M. N., Anowar, M. M., Mohiuddin, M. and **Mohammad, S. M.** (2014). *Impact of Vulnerable Group Development (VGD) Programme*. Bogra, Bangladesh: RDA.
- (8) **Mohammad, S. M.** and Collins, A. E. (2013). Disaster Risk Reduction in Bangladesh as an Adaptation Strategy for Climate Change. In Perera, S., Henriksen, H. J., Revez, A. and

Shklovski, I. (Eds.), *Proceedings of the First ANDROID Residential Doctoral School Work Package III*: 93-101.

- (7) **Mohammad, S. M.** and Collins, A. E. (2013). People's Perception on Climate Change and Adaptation Strategies: A Comparative Study from Bangladesh. In Stojanov, R., Žalud, Z., Cudlín, P., Farda, A., Urban, O. and Trnka, M. (Eds.), *Global Change and Resilience: From Impacts to Responses – Proceedings of the 3<sup>rd</sup> 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](http://www.czechglobe.cz/media/filer_public/03/75/0375ec0d-92c4-45ac-ab60-d1bfab76ced1/conference-proceedings.pdf)]
- (6) **Mohammad, S. M.** and 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.
- (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.** and Mohammad, S. S. (2012). *Impact of the Hatikumrul-Bonpara Highway on Rural Livelihoods of the Chalan Beel*. Bogra, Bangladesh: RDA.
- (3) **Mohammad, S. M.** (2010). Globalisation and Environmental Sustainability: An Overview of Coastal Bangladesh. *RDA Journal of 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. *RDA Journal of Bangladesh Rural Development Studies*, 12(2): 31-42.
- (1) **Mohammad, S. M.** (2008) Madhupur Eco-Park: Sustainable or Vulnerable Context of Livelihood. In: *Ecotourism and Sustainable Development*. S. L. Raj, SJ and U. C. Saha (Eds.). Jabalpur, India: XIDAS Publications.

### **Ongoing Research Activities**

- (3) **Mohammad, S. M.** and Mohammad, S. S. (Report writing stage). "Woman Centred Disaster Risk Management and Climate Change Adaptation: Roles of Gender and Culture in Rural Bangladesh". Funded by RDA, Bogura, Bangladesh.
- (2) **Mohammad, S. M.**, Rashid, S. and Mohammad, S. S. (Report writing stage). "PRA Application in Social Research in Bangladesh". Funded by RDA, Bogura, Bangladesh.
- (1) **Mohammad, S. M.** and Jahan, N. (Report writing stage) "Women Participation in Disaster Risk Reduction in Bangladesh". Funded by RDA, Bogura, Bangladesh.

### **Non-Referred Contributions**

- (29) **Mohammad, S. M.** "River Bhairab: Source and Lost Flow", BNGA *Regional Seminar on Delta Development Plan*, April 04, 2019, Govt. M. M. College, Jashore, Bangladesh. (Discussant)
- (28) **Mohammad, S. M.** "The Historical River Korotoa: Its Past, Present and Future", BNGA *Regional Seminar on Environment and Development Though of Panchgarh*, November 23, 2018, Nazrul Library Auditorium, Panchgarh, Bangladesh. (Discussant)
- (27) **Mohammad, S. M.**, Kamruzzaman, M., Hossain, M. F., Fouzia, M. 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*, February 17-28, 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*, January 26, 2017, Institute of Bangladesh Studies (IBS), University of Rajshahi, Rajshahi, Bangladesh. (Oral presentation)

- (25) Hoq, W. and **Mohammad, S. M.** “Agricultural Insurance in Bangladesh: Prospects and Challenges”, *APO-CIRDAP-DAR organised Workshop on Agricultural Insurance Systems*, November 28 – December 02, 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*, November 09, 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*, May 14, 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*, April 04, 2016, RDA, Bogra, 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*, February 6, 2015, Department of Geography, Northumbria University, Newcastle-upon-Tyne, UK. (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*, July 28 – August 08, 2014, Beijing Normal University, Beijing, China. (Oral presentation)
- (19) **Mohammad, S. M.** and Collins, A. E. “Disaster Risk Reduction in Bangladesh as Adaptation to Climate Change”, *Northumbria University Research Conference 2014*, May 21-22, 2014, Northumbria University, Newcastle-upon-Tyne, UK. (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”*, April 03, 2014, Northumbria University, Newcastle upon Tyne, UK. (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*, October 23-24, 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 4<sup>th</sup> Conference of the International Society for Integrated Disaster Risk Management (IDRiM 2013)*, September 04-06, 2013, Northumbria University, Newcastle-upon-Tyne, UK. (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*, May 27, 2013, Global Change Research Centre and Mendel University, Brno, The Czech Republic. (Oral presentation)
- (14) **Mohammad, S. M.** and Collins A. E. “People’s Perception on Climate Change and Adaptation Strategies: A Comparative Study from Bangladesh”, *International Conference on Global Change and Resilience*, May 22-24, 2013, Global Change Research Centre and Mendel University, Brno, The Czech Republic. (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*, March 26-27, 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*, January 23-24, 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*, January 18-19, 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*, January 11-12, 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*, November 21, 2012, Northumbria University, Newcastle-upon-Tyne, UK. (Oral presentation)
- (8) **Mohammad, S. M.** “Disaster Management in Bangladesh in Climate Change Context”, *Department Seminar Lecture*, April 18, 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*, February 08-11, 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*, November 28, 2011, University of Glamorgan, Cardiff, UK. (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*, October 20, 2008, Rural Development Academy (RDA), Bogra, Bangladesh. (Oral presentation)
- (4) **Mohammad, S. M.** “Why is geography important to study in higher education?”, *Seminar Lecture organised by Royal Geographic Society*, February 18, 2008, Gateshead Secondary School, Gateshead, UK. (Oral presentation)
- (3) **Mohammad, S. M.** “Women-led Cyclone Management in Coastal Bangladesh”, *GEM Departmental Poster Presentation*, January 25, 2008, Northumbria University, Newcastle-upon-Tyne, UK. (Poster presentation)
- (2) **Mohammad, S. M.** “Disaster Management and Sustainable Development Nexus in Rural Bangladesh”, *GEM Departmental Presentation*, October 19, 2007, Northumbria University, Newcastle-upon-Tyne, UK. (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*, March 08-10, 2007, Xavier Institute of Development Action and Studies (XIDAS), Jabalpur, Madhya Pradesh, India. (Oral presentation)

**Country visited**

Austria, China, Cyprus, Czech Republic, France, Greece, Hungary, India, Italy, Malaysia, Nepal, Netherlands, Nigeria, Pakistan, Philippines, Saudi Arabia, Singapore, Slovakia, Switzerland, United Arab Emirates (UAE), United Kingdom (UK), and Zimbabwe.