



University of Rajshahi

**Profile**  
of  
**Professor Dr. Md.**  
**Redwanur Rahman**



**Professor, Dr. Md. Redwanur Rahman B.Sc. (Honours) M.Sc. Ph.D.**

**Environmentalist, Researcher and Consultant**  
*Specialising in Ecology, Biodiversity and Environment*

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**Education**

- B.Sc (Hons) in Zoology
- M. Sc. in Zoology (Specialization in Ecology)
- Ph.D. in Environmental Science

**Experience**

- Total Teaching Experience – 17 Years 03 Months
- Total Research Experience – 25 Years

**Title of Thesis**

- M.Sc.: *Bio-Ecology of Freshwater Snail, Lymnaea (Radix) acuminata Lamarck (Gastropoda : Lymnaeidae)*
- Ph.D.: *Freshwater Gastropods in Relation to Helminth Parasites of Bangladesh*

**Academic Career**

- Lecturer: July 2004 –July 2005
- Assistant Professor: July 2005 – 21 September 2012
- Associate Professor: 22 September 2012 to 18 February 2018
- Professor: 19 February 2018 to till date

**Subjects Taught**

**M.Phil./Ph.D**

- Introduction to Environmental Science
- Ecology and Environment
- Environmental Impact Assessment (EIA)
- Biodiversity
- Disaster Management
- Research Methodology and Computer Skill

## SYNOPSIS

I am an Environmentalist with over 2.5 decades (25 years) of research and applied research experience in national and international development, with a focus on biodiversity, bio-ecology and Environmental Impact Assessment (EIA). I have worked as a technical advisor on ecology and biodiversity programmes in Bangladesh. I have university degrees from Rajshahi University (B.Sc. in Zoology), Rajshahi University (M.Sc. in Ecology; Thesis title: Bio-Ecology of Freshwater Snail, *Lymnaea (Radix) acuminata* Lamarck (Gastropoda : Lymnaeidae) and Rajshahi University (Ph.D. Thesis title: Freshwater Gastropods in Relation to Helminth Parasites of Bangladesh and conducted post-doctoral studies at the University of Rajshahi (Research Title: Role of Freshwater Snail Borne Helminth Parasites in Fish, Veterinary and Public Health and Financed by: Ministry of National Science, Information and Communication Technology (NSICT), Government of People's Republic of Bangladesh), where I was awarded a prestigious Scholarship from Ministry of National Science, Information and Communication Technology (NSICT), Government of People's Republic of Bangladesh to work on Effect of Environmental Pollution on the Spermatozoa of Selected Groups of Animals of Bangladesh. Currently, I am engaged as a supervisor of nine fellows in the Institute of Environmental Science University of Rajshahi. Twenty Four numbers of MPhil. and PhD degree awarded under my direct supervision.

### **Recent Publications (2019- 2021)**

1. Ali, M.Y, Hassan, M., Rahman, M.A., Kafy, A.A., Ara, I., Javed, A. **Rahman, M.R.** 2019. Life cycle energy and cost analysis of small scale biogas plant and solar PV system in rural areas of Bangladesh. *Energy Procedia*, Published by **Elsevier Ltd**. This is an open access article under the CC BY-NC-ND license (<https://creativecommons.org/licenses/by-nc-nd/4.0/>), 10.1016/j.egypro.2019.02.147, **160**: 277–284
2. Arifuzzaman, M., Hannan, M.A., **Rahman, M.R.** and Rahman, M.A. 2019. Laws Regulating Water Pollution in Bangladesh. *Journal of Sociology and Anthropology*, **3**(1): 15-24. doi: 10.12691/jsa-3-1-3.
3. Alam, D.M.S. and **Rahman, M.R.** 2019. Environmental Impact Assessment of Phulbari Coal Based Thermal Power Plant of Bangladesh. *Journal of Sociology and Anthropology*, **3**(2): 34-54. doi: 10.12691/jsa-3-2-1.
4. Talha, M.A., **Rahman, M.R.**, Yasmin, Z. and Islam, M.N. 2019. Low Back Pain Among Farmers During Harvesting: A Systematic Review, *Rajshahi University Journal of Environmental Science*, **8**: 93 - 100.
5. Amin, M.R., **Rahman, M.R.**, Sarker, M.M., Islam, M.N. and Haider, T. 2019. Effect of Weather Conditions on Stroke: A Review, *Rajshahi University Journal of Environmental Science*, **8**: 101 - 110.
6. Akther, K.T., Shafiuzzaman, S.M., Ali, M.S. and **Rahman, M.R.** 2019. Suitability and Economic Profitability of Land Conversion for Mango Orchard in Charghat Upzila, Rajshahi, *Rajshahi University Journal of Environmental Science*, **8**: 111 - 120.
7. Akther, K.T., Shafiuzzaman, S.M., Ali, M.S. and **Rahman, M.R.** 2019. Conversion of Agricultural Land to Orchard and It's Impacts on Charghat Upazila of Bangladesh, *J. Life Earth Sci.*, **14**: 69 - 74.

8. **Rahman, M.R. 2021.** First Record of Freshwater Molluscs *Pila scutata* and *Pila theobaldi* (Mesogastropoda : Pilidae) of Bangladesh, *The Journal of Cumilla Victoria College*, **1**: 7 - 19.
9. Shovon, K.M.A., Hannan, M.A. and **Rahman, M.R.** 2021. Legal Aspects of Coral Reef Management and Conservation in Bangladesh. *Open Access Library Journal*, **8**: e7775. <https://doi.org/10.4236/oalib.1107775> ISSN Online: 2333-9721, ISSN Print: 2333-9705.
10. Sheema, M. K., & **Rahman, R.** 2021. Compare of Food Habit and Nutritional Status of Rural Male and Female. *Advances in Social Sciences Research Journal*, **8**(10): 556-572. DOI:10.14738/assrj.810.11073.

### **Key Skills**

- Excellent capacity building, workshop facilitation, extension, teaching and training skills
- Strong writing skills –thesis, synopsis, project proposals, research papers, technical reports
- Lateral thinker, ability to take initiative and excellent problem solving skills
- Extensive experience of living in difficult urban and rural conditions
- Highly proficient in emergency assessment and analysis, monitoring and evaluation processes, participatory rural appraisal, and qualitative and quantitative research techniques

### **Policy, Practice and Research**

- Agro-ecology in the rural area
- Disaster risk reduction
- Eco-biology
- Ecological conservation
- Environmental Impact Assessment
- Environmental Law
- Food security and livelihoods
- Land degradation
- Natural resource management
- Resource recovery and rescue in agriculture (organic solid waste and wastewater)
- Rural development
- Sustainable water use management in Agriculture
- Urban and peri-urban agriculture
- Urban environmental management
- Waste Management
- Wetland management

### **Countries of Operational Experience**

<b>Country</b>	<b>Purposes</b>
Nepal	To attend International Conference on Environment and Agriculture
India	To attend International Conference on Climate Change and Adaptation
Silong, Maghaloya, India	Ecology and Biodiversity Observation
Delhi, India	To attend International Conference on Mitigation of Climate Change: Law, Policy and Governance
Malaysia	Laboratory Visit of Ecology and Biodiversity
Darjeeling and Mursidabad, India	Ecosystem and Biodiversity Observation
Punjab and Kashmir, India	Adaptation of Biodiversity in Icefall Area, Kashmir, India: A Case Study
India	Observation of Crop Ecology at Punjab, India
Thailand	Land and Island Topography; Marine Ecosystem and Agro-ecology

### **Membership of Professional Bodies**

Life Member, *The Zoological Society of Bangladesh*  
Life Member, *The Genetical Society of Bangladesh*  
Life Member, *The Asiatic Society of Bangladesh, Life Membership no. 1777*  
Life Member, *Bangladesh Society For Conservation of Environment & Natural Resources*  
Member, *Bangladesh Association for The Advancement of Science (BAAS)*  
Life Member: BBBA69, Bangladesh Biosafety and Biosecurity Society (BBB)

### **EDUCATION AND TRAINING**

#### **Higher Education**

**2000 Ph.D. Zoology: Ecology and Biodiversity**, Department of Zoology, University of Rajshahi. Ph.D. Thesis: Freshwater Gastropods in Relation to Helminth Parasites of Bangladesh.

**1995 (Session 1991) M.Sc.**, Department of Zoology: Course Title: Human Physiology, Animal Taxonomy, Animal Behaviour, Biometry and Special Branch in Ecology, Faculty of Life and Earth Science, University of Rajshahi, Rajshahi, Bangladesh, M.Sc. Thesis: *Bio-Ecology of Freshwater Snail, Lymnaea (Radix) acuminata Lamarck (Gastropoda : Lymnaeidae)*.

**1994 (Session 1988-1990) B.Sc. Honours in Zoology**, Faculty of Life and Earth Science, University of Rajshahi, Rajshahi, Bangladesh, Course Title: Phylum- Protozoa to Chordata, Minor Phila, Comparative

Anatomy, Cytology, Genetics, Evolution, Ecology, Zoogeography, Paleontology, Embryology, Applied Zoology, Elementary Biometry and Freshwater Study.

## **SUPERVISION FOR M.PHIL AND PH.D.**

### **List of degree awarded fellows profile under supervision of Dr. Md. Redwanur Rahman**

<b>No</b>	<b>Name of Fellows</b>	<b>Research Title</b>	<b>Year of Degree Award M.Phil./Ph.D.</b>
1.	Md. Abdul Mannan	A SUSTAINABLE MANAGEMENT OF SUNDERBAN FOREST	M.Phil. Year: 2006
2.	Md. Anamul Aziz	RIVERBANK EROSION VICTIMS IN BANGLADESH: A SOCIO-ECONOMIC AND ENVIRONMENTAL STUDIES OF TWO AFFECTED VILLAGES IN BOGRA DISTRICTS	Ph.D. Year: 2007
3.	Md. Samsul Alam	SUSTAINABLE LAND MANAGEMENT: POLICY, IMPLICATION AND SECTORAL ACHIEVEMENT	PhD. Year: 2007
4.	Md. Nur Islam	FISHERIES ECOBIOLOGY OF BEEL KOSHBA OF NAOGON	Ph.D. Year: 2008
5.	Mst. Sefali Khatun	STUDY OF THE ENVIRONMENTAL POLLUTION DUE TO RADIOACTIVITY IN AIR WATER AND SOIL IN NORTHERN PART OF BANGLADESH	Ph.D. Year: 2011
6.	Md. Aminul Islam	POTENTIAL USE OF EFFECTIVE FUNGI ( <i>TRICHODERMA SPP</i> ) FOR BIOCONSERVATION OF SOLID ORGANIC WASTE	Ph.D. Year: 2012
7.	Md. Abdul Mannan	ENVIRONMENTAL IMPACT ASSESSMENT OF DEVELOPMENT ACTIVITIES IN THE SUNDARBANS	Ph.D. Year: 2013
8.	Muhammad Abdul Momith Azad	EXTRACTION, ISOLATION AND CLINICAL STUDY OF EARTHWORM TISSUE EXTRACTS ON RHEUMATIC FEVER	Ph.D. Year: 2013
9.	Md. Moshir Rahman	THE DRAINAGE SYSTEM OF RAJSHAHI CITY AND ITS IMPACT ON HUMAN HEALTH	Ph.D. Year: 2013
10.	Sheikh Helena Bulbul	SUSTAINABILITY USE OF WATER FOR SOME SELECTED HYBRID AND INBRED RICE CULTIVATION IN THE FLOODPLAIN AREAS (AEZ 26 AND AEZ 28) OF BANGLADESH	Ph.D. Year: 2013

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| 11. | Md. Helal Uddin         | ENVIRONMENTAL LAWS ON BIODIVERSITY IN BANGLADESH   | Ph.D.<br>Year:2014                      |
| 12. | A.K.M. Kamruzzaman      | CLIMATE CHANGE LINKED TO OUTBREAK OF INFECTIOUS DISEASES: IT'S PRESERVATION AND CONTROL AMONG CHILDREN IN BANGLADESH             | Ph.D.<br>Year:2014                      |
| 13. | A.S.M. Sahidul Bari     | ELEMENTAL ANALYSIS OF SOME SELECTED ENVIRONMENTAL SAMPLES AND ITS EFFECTS ON PUBLIC HEALTH                                       | Ph.D.<br>Year:2016                      |
| 14. | Md. Razib Ahsan         | SUSTAINABLE STRATEGY FOR THE ECO-FRIENDLY TEXTILE INDUSTRIES IN BANGLADESH   | Ph.D.<br>Year:2016                      |
| 15. | M. Jahangir             | DETERMINATION OF THE EFFECT OF MUSHROOM ON ARSENICOSIS PATIENTS BY ANALYSING PHYSICO-CHEMICAL AND BIOLOGICAL PARAMETERS          | Ph.D.<br>Year:2017                      |
| 16. | Arok Toppo              | IMPACT OF ENVIRONMENTAL CHANGE ON NATURAL RESOURCE-BASED FOOD SYSTEM OF TRIBAL COMMUNITIES OF NORTH-WESTERN REGION IN BANGLADESH | Ph.D.<br>Year:2017                      |
| 17. | Md. Atiqur Rahman       | IMPACT OF AGRICULTURE PRACTICES ON SUSTAINABLE BIODIVERSITY IN RAJSHAHI DISTRICT   | M.Phil.<br>Year:2017                    |
| 18. | Shariful Islam Chudhory | ESTIMATION OF RADIATION DOSES OF NUCLEAR MEDICINE AND ITS EFFECTS ON HUMAN HEALTH  | M.Phil.<br>Year: 2018                   |
| 19. | Md. Arifuzzaman         | LEGAL FRAMEWORK FOR ENSURING SUSTAINABLE WATER RESOURCE MANAGEMENT IN BANGLADESH   | Ph.D.<br>Year: 2019                     |
| 20. | Yeasmin Pervin          | INFLUENCE OF ENVIRONMENTAL COMPONENTS ON MOLLUSCAN BIODIVERSITY OF THE SOUTH WESTERN REGION IN BANGLADESH                        | Ph.D.<br>2011-2012<br>Year: 2020        |
| 21. | Dewan Md. Shah Alam     | ENVIRONMENTAL IMPACTS OF COAL BASED THERMAL POWER PLANTS, DINAJPUR, BANGLADESH   | Ph.D.<br>2013 - 2014<br>Year: 2020      |
| 22. | Md. Shahadat Hossain    | ENVIRONMENTAL IMPACT ON KNEE OSTEOARTHRITIS AND IT'S SUSTAINABLE MANAGEMENT USING THERAPEUTIC AGENTS                             | Ph.D.<br>2011-2012<br><b>Year: 2020</b> |

23.	Md. Badrul Islam	INVESTIGATION ON SEASONAL VARIATION OF BIOCHEMICAL COMPOSITION OF CRAB	Ph.D. 2014-2015 <b>Year: 2020</b>
24.	Adam Abdullah	EFFECTS OF ENVIRONMENTAL FACTORS ON AUTISM SPECTRUM DISORDER IN RAJSHAHI DIVISION	M.Phil. 2016-2017 <b>Year: 2020</b>

### On Going Research

#### List of fellows profile under supervision of Dr. Md. Redwanur rahman

No.	Name of Fellows	M.Phil/Ph.D	Research Title	Session
1.	Mahfuza Khanom Sheema	Ph.D.	ENVIRONMENTAL PERSPECTIVES OF DIETARY STATUS OF THE RURAL WOMEN IN A PABNA, BANGLADESH	2014-2015 Thesis Submitted For Examination
2.	Md. Abu Talha	Ph.D.	STUDY ON LOW BACK PAIN DURING HARVESTING AND ITS SUSTAINABLE MANAGEMENT USING PHYSIOTHERAPY TECHNIQUE	2015-2016
3.	Shakil Ahmed Joni	M.Phil.	ISOLATION AND PURIFICATION OF COMPOUNDS FROM EARTHWORM TISSUE EXTRACT FOR PREPARATION OF MEDICINE FOR RHEUMATIC FEVER	2015-2016
4.	Md. Atiqur Rahman	Ph.D.	IMPACTS OF FISH FARMING PRACTICES ON WETLANDS IN RAJSHAHI DIVISION, BANGLADESH	2017-2018
5.	Kazi Thahamina Akther	Ph.D.	LAND CONVERSION AND IT'S IMPACT ON BIODIVERSITY IN CHARGHAT UPAZILA OF RAJSHAHI, BANGLADESH	2017-2018
6.	Md. Ruhul Amin	M.Phil.	EFFECT OF WEATHER CONDITIONS ON	2017 - 2018

7.	Khan Md. Arman Shovon	M.Phil.	STROKE AND ITS MANAGEMENT USING PHYSIOTHERAPY LEGAL FRAMEWORK ON PROTECTING CORAL REEFS OF BANGLADESH WITH SPECIAL REFERENCES TO GLOBAL PRACTICES	2018 - 2019
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### **Related Training**

4-14 July /1999	10-Day Training Workshop on “ <b>Course on Experimental Design</b> ” conducted jointly by the Department of Zoology, University of Dhaka, Dhaka, University of Rajshahi, Rajshahi, Bangladesh and University of Bergen, Norway.
18-23 Dec./ 2004	7-Days Bangladeshi Environmental Lawyer Association (B ELA) Training Programme on “ <b>Environment and Environmental Law</b> ” Organized by Bangladesh Environmental Lawyers Association (BELA), Dhaka, Bangladesh
27-28 July/ 2005	ADB-PREGA 2-Day National Training Workshop on “ <b>PREGA and CDM Awareness Building &amp; Motivation</b> ” Sponsored by- Asian Development Bank (ADB), Manila, and University of Rajshahi, Bangladesh.
29-30 July/ 2005	2-Day Training Workshop on “ <b>In Search of Endangered Species</b> ” offered by Aaranyak, University of Rajshahi, Bangladesh.
4-6 February/ 2006	PREGA 3-Day National Training Workshop on “ <b>Report writing and Financial/Economic Analysis of CDM-able Projects including CDM Evaluation</b> ” Organised by- Bangladesh Centre for Advanced Studies (BCAS) Sponsored by- Asian Development Bank (ADB), Manila, Venue: Hotel Golden Deer Ltd., Gulshan-2, Dhaka, Bangladesh.
8-9 February/ 2008	2-Day Training Workshop on “ <b>Bird Identification Training</b> ” conducted jointly by the Department of Zoology, University of Rajshahi and Bird Club, Dhaka, Venue: Department of Zoology, University of Rajshahi, Bangladesh.
25-30 Octo/ 2008	Training of Trainers (ToT) on “ <b>Disaster Management</b> ” Course organized jointly by Rural Development Academy, Bogra and Comprehensive Disaster Management Programme (CDMP), United Nation Development Programme (UNDP), Department For International Development (DFID), European Union (EU) and Ministry of Food and Disaster Management (MoFDM), Venue: Rural Development Academy (RDA), Bogra, Bangladesh.
15 October/ 2012	Training Workshop on “ <b>Environmental Impact Assessment</b> ” conducted by Bangladesh Environmental Lawyers Association (BELA), Venue: Spectra Convention Center, Dhaka.
26 - 29 May/ 2014	Training Course on “ <b>On-site installation, commissioning &amp; training of Bruker GC-TCD (Model: SCION 456)</b> ” jointly conducted by the Bruker Chemical & Applied Markets and Overseas Marketing Corporation Pvt. Ltd. Venue: University of Rajshahi, Rajshahi, Bangladesh.
18-21Dec/ 2014	Training course on “ <b>Public Procurement Management and Electronic Government Procurement (e-GP)</b> ” jointly organized by Higher Education



Quality Enhancement Project (HEQEP) and Engineering Staff College, (ESCB), Bangladesh, Venue: Engineering Staff College, (ESCB), Gazaria, Munsigang, Bangladesh.

## EMPLOYMENT EXPERIENCE

### **Positions Held**

July 2004 –July 2005	Lecturer	Subject Taught: Introduction to Environmental Science, Environmental Impact Assessment (EIA) and Disaster Management
		<b>Responsibility included: 1)</b> thesis supervision for PhD and M.Phil Fellows; 2) Principal supervision on: A Sustainable Management of Sunderban Forest; 3) Socio-economic and Environmental studies: Riverbank Erosion Victims in Bangladesh: A Socio-economic and Environmental Studies of two Affected Villages in Bogra Districts and 4) Innovation of Land Management Policy: Sustainable Land Management: Policy, Implication and Sectoral Achievement.
8 July 2005 to 21 September 2012	Assistant Professor	Subject Taught: Introduction to Environmental Science, Environmental Impact Assessment (EIA), Ecology, Environment and Biodiversity
		<b>Responsibility included: 1)</b> thesis supervision for PhD and M.Phil Fellows; 2) Designed and delivered teaching and learning materials for MPhil and PhD Fellows, in a range of settings including lectures and seminars. Provided academic guidance and pastoral support to students. 3) Monitoring Sanctuary in a beel: Fisheries Ecobiology of Beel Koshba of Naogon 4) Observing Radioactivity in Natural Environment: Study of the Environmental Pollution Due to Radioactivity in Air Water and Soil in Northern Part of Bangladesh 5) Engaged in high-quality research on Bio-conservation: Potential use of Effective Fungi ( <i>Trichoderma spp</i> ) for Bio-conservation of Solid Organic Waste.
22 September 2012 to 18 February 2018	Associate Professor	Subject Taught: Ecology and Environment, Biodiversity, Environmental Impact Assessment (EIA) and Research Methodology and Computer Skill
		<b>Responsibility included: 1)</b> thesis supervision for PhD and M.Phil Fellows; 2) Responsibilities included the planning and design of Syllabus for PhD fellows. 3) Designed and delivered teaching and learning materials for research students, in a range of settings including lectures, seminars and dissertation supervision. 4). Engaged in high-quality research and coordinated the agriculture, Waste management, sustainable water management in agriculture, environmental laws and climate change impact on human, biodiversity including agriculture. 5). Supervision on PhD thesis i) The Drainage System of Rajshahi City and its Impact on Human Health, ii). Extraction, Isolation and Clinical Study of Earthworm Tissue Extracts on Rheumatic Fever, iii) Sustainability use of Water for Some Selected Hybrid and Inbred Rice Cultivation in the Floodplain Areas (AEZ 26 and AEZ 28) of Bangladesh, iv) Environmental Laws on Biodiversity in Bangladesh v).

Climate Change Linked to Outbreak of Infectious Diseases: It's Preservation and Control Among Children in Bangladesh, vi). Elemental Analysis of Some Selected Environmental Samples and its Effects on Public health, vii) Sustainable Strategy for the Eco-friendly textile Industries in Bangladesh, viii) Determination of the effect of Mushroom on Arsenicosis Patients by Analysing Physico-Chemical and Biological Parameters, ix) Impact of Environmental Change on Natural Resource-based Food System of Tribal Communities of North-Western Region in Bangladesh and x) Impact of Agriculture Practices on Sustainable Biodiversity in Rajshahi District.

19 February 2018 to till date Professor Designed and delivered teaching and learning materials for both MPhil and PhD fellows, in a range of settings including lectures and seminars. Provided research guidance and pastoral support to fellow. Coordinated and facilitated multi-department research network and internal meetings. Engaged in high-quality research. **Responsibility included:** 1) thesis supervision for PhD and M.Phil Fellows; -----

### *Consultancies*

- 12/2007 : Environment and Environmental Law” Organized by Bangladesh Environmental Lawyers Association (BELA), on “**Waste Management**” Rajshahi, Bangladesh.
- 1/ 2008 : Bangladesh Environmental Lawyers Association (BELA), **Brick Kiln: Environment, Law and mass- interest**” Rajshahi, Bangladesh.
- 5/2009 : Bangladesh Environmental Lawyers Association (BELA), **Environment: Bangladesh and International Perspective**, Rajshahi, Bangladesh.
- 9/2009 : Bangladesh Environmental Lawyers Association (BELA), “**Environment: Waste and Waste Management**” Natore, Bangladesh.
- 8/2009 : Comprehensive Disaster Management Programme (CDMP), MoFDM, **Reviewing Disaster Management Curriculum**, Dhaka Bangladesh.
- 11/2009 : Department For International Development (DFID), European Union (EU) and Ministry of Food and Disaster Management (MoFDM), Disaster Management Programme (CDMP), **Damage, Loss and Needs Assessment**, Rajshahi, Bangladesh.
- 11/2009 : Science and Technology University (MBSTU), Tangail, and Comprehensive Disaster Management Programme (CDMP), MoFDM, Department For International Development (DFID), European Union (EU) and Ministry of Food and Disaster Management (MoFDM), Dhaka, **Incorporation of Disaster Management Issues and Curriculum in Mawlana Bhashani Science and Technology University: Potential and Challenges**, Tangail, Bangladesh.
- 6/2010 : Comprehensive Disaster Management Programme (CDMP), DMRD, MoFDM, on **Disaster Risk Reduction and Climate Change Adaptation**, Bangladesh University of Professional (BUP), Bangladesh.
- 11/2010 : BRAC and Comprehensive Disaster Management Programme (CDMP), DMRD, on **Disaster Management Curriculum Review** Rajendrapur, Gazipur, Bangladesh.
- 10/2011 : Disaster Management and Relief Division and Ministry of Food and Disaster Management and Disaster Management Programme (CDMP-II) **on Disaster Risk Reduction in Bangladesh Education System**, Dhaka, Bangladesh.
- 3/2012 : Regional Public Administration Training Center, Rajshahi (BPATC) on “**Environment Development & Disaster Management**” Rajshahi, Bangladesh.
- 4/2012 : Regional Public Administration Training Center, Rajshahi (BPATC) on “**Disaster Preparedness: Forecasting and Warning**” Rajshahi, Bangladesh.

- 5/2012** : Regional Public Administration Training Center, Rajshahi (BPATC) on “**Environment Development & Disaster Management**” Rajshahi, Bangladesh.
- 3/2012** : Bangladesh Environmental Lawyers Association (BELA) on **Climate Change Risk Mitigation and Adaptations**, Rajshahi, Bangladesh.

### **Development and Research Project Grants (2000-2016)**

- 6/1999 - 6/2000 : **Project Title:** “*Effect of Environmental Pollution on the Spermatozoa of Selected Groups of Animals of Bangladesh*” sponsored by the Ministry of National Science, Information and Communication Technology, Government of the People’s Republic of Bangladesh.
- 6/ 2000 – 6/2001 : **Project Title:** “*Survey of Rice Field Molluscs of Northern Bangladesh*” Financed by- Rajshahi University Research Project no. **A. 844(5)/5/52** (Life and Earth Science Faculty), University of Rajshahi, Rajshahi-6205.
- 1/ 2001 - 6/2004 : **Research Title:** “*Role of Freshwater Snail Borne Helminth Parasites in Fish, Veterinary and Public Health*” Department of Zoology, Rajshahi University, Rajshahi- 6205, Bangladesh. Financed by – Ministry of National Science and Information and Communication Technology (NSICT), Government of The Peoples Republic of Bangladesh.
- 6/ 2007 - 6/ 2008 : **Research Associate:** NSICT, **Project Title:** “**Epidemiological study on the impact of ticks and ticksborne pathogens in different cattle breeds in the northern part of Bangladesh**” sponsored by The project is funding by KFPE (Commission for Research Partnership with Development Countries), Switzerland and MOSICT (Ministry of Science and Information and Communication Technology), Bangladesh.
- 6/2014 – 6/ 2016 : **Member (ASPM) : HEQEP-CP 3605** (Development of Laboratory for Botanical Pesticides Research at Rajshahi), Sponsored by- World Bank.

### **Volunteering Capacity**

- 2005 – till date : Balshabari Zoology Museum, Balshabari, Sirajgang, Bangladesh
- 2010 - till date : Phulkuri (A National Child Organization), Bangladesh.
- 2005 – till date : PDF (Physically Challenged Disable Foundation), Bangladesh.
- 2005 – till date : Bikolpo (Cultural Organization), Bangladesh
- 2005 – till date : Lekhok Foram (Writers Club), Rajshahi University, Bangladesh.

## **PUBLICATIONS**

### **Journal (peer-reviewed)**

1. Jahan, M.S. & **Rahman M.R.** 1996. Breeding Biology of Freshwater snail *Lymnaea (Radix) acuminata* Lamarck (Gastropoda : Lymnaeidae). *Univ. j. zool. Rajshahi Univ.*, **14 & 15**: 47 - 54.
2. Jahan, M.S., **Rahman, M.R.** & Biswas, L. 1996. Population Ecology of a Medically Important snail, *Lymnaea (Radix) acuminata* Lamarck (Gastropoda : Lymnaeidae). *J. bio-sci.*, **4**: 21-26.
3. Jahan, M.S., **Rahman, M.R.**, Al-Mahmud, M.A. & Sarker, M.M. 1998. Ecology of Freshwater snail, *Lymnaea luteola* Lamarck, 1822 (Gastropoda : Lymnaeidae). *Bangladesh J. Zool.*, **26**(2): 67-75.
4. **Rahman, M.R.**, Prvez, M.A., Jahan, M.S. & Sarker, M.M. 1998. Histopathology of *Bellamya bengalensis* (Lamarck) by Larval Helminth. *Univ. j. zool. Rajshahi Univ.*, **17**: 19 – 27.
5. **Rahman, M.R.**, Parween, S. & Ara, H. 1998. A brief Report on two Helminth Endoparasites from *Mastacembelus armatus* (Lacepede). *Univ. j. zool. Rajshahi Univ.*, **17**: 75 –77.

6. **Rahman, M.R.** & Jahan, M.S. 1999. Growth Indices of *Lymnaea (Radix) acuminata* Lamarck (Gastropoda : Lymnaeidae). *Bull.Env. Sci.*, **17**: 17-22.
7. Jahan, M.S., **Rahman, M.R.**, Mannan, M.A. & Khatun, R. 1999. On a Collection of Shells Occupied by Hermit Crabs in the Intertidal Zone at Cox's Bazar. *Bull.Env. Sci.*, **17**: 9-16.
8. **Rahman, M.R.** & Jahan, M.S. 1999. Ecology of *Thiara (=Melanoides) tuberculata* (Müller) (Gastropoda : Thiariidae) and its Relation to Larval Trematodes of Bangladesh. *J. Asiat. Soc. Bangladesh (Sci.)*, **25**(1) : 143-152.
9. Jahan, M.S., **Rahman, M.R.** & Biswas, L. 1999. Comparative Morphometrical Indices of Freshwater Lymnaeid Snails of Bangladesh. *Bangladesh J. Zool.*, **17**(2): 165-168.
10. Jahan, M.S. & **Rahman, M.R.** 2000. Biodiversity of the Aquatic Habitats of Rajshahi Metropolitan City. *J. Natl. Bot. Soc.*, **54**: 87- 98.
11. Sarker, M.M., Jahan, M.S. & **Rahman, M.R.** 2000. Reproductive Biology of Freshwater Pulmonate, *Lymnaea stagnalis* Linnaeus 1758. *Univ. j. zool. Rajshahi Univ.*, **19**: 55- 59.
12. Parween, S. & **Rahman, M.R.** 2000. Distribution of Helminth Parasites in Different Organs and their Monthly rate of Infection in three Freshwater Fishes of Rajshahi. *Univ. j. zool. Rajshahi Univ.*, **19**: 67- 72.
13. Jahan, M.S., Akter, M S., Sarker, M.M., **Rahman, M.R.** & Pramanik, M.N. 2001. Growth Ecology of *Pila globosa* (Swainson) (Gastropoda: Pilidae) in Simulated Habitat. *Pakistan Journal of Biological Science*, **4**(5): 581 - 584.
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### **Books**

- ***Animal Spermatozoa and Environmental Pollution –I***, Published by – M. A. Hossain on behalf of Spermatozoa Research Group, 1<sup>st</sup> Edition December 2000, 143pp.
- ***Commercial Farming of Apple Snail (Practical Training Manual)***, Published by-AH Development Publishing House, 143 New Market, Dhaka 1205, Published Year-2008. **ISBN: 984-70019-0036-1.**
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## **Book Chapters**

1. Jahan, M.S., Bhuiyan, M.M.S., **Rahman, M.R.** and Hoque, M. 2011. First Record of Land Molluscs *Macrochlamys lubrica*, *Girasia hookeri*, *Euaustenia cassida* and *Sitala attegaia* (Mollusca: Stylommatophora: Ariophantidae) from Bangladesh, Chapter 11: *Proceedings of the International Conference on Biodiversity – Present State, Problems and Prospects of its Conservation*, Eds. by Eivin Røskoft David J. Chivers, January 8-10, 2011, University of Chittagong, Chittagong-4331, Bangladesh, pp123-128. **ISSN: 1893-3572.**
2. Rahman, M.M. and Rahman, M.R. 2016. Impacts of Climate Change on Fisheries and Fishermen in the Coastal Zone of Bangladesh: A Study after three Diving Cyclones, Chapter 16: (Pages 239-251), **In Book:** *Climate Change: Laws, Policy and Governance*, Foreword by Justice A.K. Sikri, Editor: Professor Dr. Usa Tandon, Professor-in-Charge, Campus Law Center, University of Delhi, India, Introduction by Mohan Parasaran and Epilogue by Sidharth Luthra, Publisher: EBC Publishing (P) Ltd., Lalbagh, Lucknow-226 00 and Printed and Produced by: Gopsons Papers Ltd., A-2, Sector-64, Noida 201 301. **ISBN 978935145376.**

## **Encyclopaedia**

1. **Rahman, M.R. 2007.** *Bellamya dissimilis* (Müller 1774). In: Siddiqui, K.U., Islam, M.A., Kabir, S.M.H., Ahmed, M., Ahmed, A.T.A., Rahman, A.K.A., Haque, E.U., Ahmed, Z.U., Begum, Z.N.T., Hassan, M.A., Khondker, M. and Rahman, M.M. (eds.) *Encyclopaedia of Flora and Fauna of Bangladesh*, Vol. 17. *Molluscs*. Asiatic Society of Bangladesh, Dhaka. pp. 37-38. **ISBN: 984-300-000286-0**
2. **Rahman, M.R. 2007.** *Melanoides tuberculata* (Müller, 1774). In: Siddiqui, K.U., Islam, M.A., Kabir, S.M.H., S.M.H., Ahmed, M., Ahmed, A.T.A., Rahman, A.K.A., Haque, E.U., Ahmed, Z.U., Begum, Z.N.T., Hassan, M.A., Khondker, M. and Rahman, M.M. (eds.) *Encyclopaedia of Flora and Fauna of Bangladesh*, Vol. 17. *Molluscs*. Asiatic Society of Bangladesh, Dhaka. p.40. **ISBN: 984-300-000286-0**
3. **Rahman, M.R. 2007.** *Indoplanorbis exustus* (Deshayes, 1834 1774). In: Siddiqui, K.U., Islam, M.A., Kabir, S.M.H., S.M.H., Ahmed, M., Ahmed, A.T.A., Rahman, A.K.A., Haque, E.U., Ahmed, Z.U., Begum, Z.N.T., Hassan, M.A., Khondker, M. and Rahman, M.M. (eds.) *Encyclopaedia of Flora and Fauna of Bangladesh*, Vol. 17. *Molluscs*. Asiatic Society of Bangladesh, Dhaka. p. 46. **ISBN: 984-300-000286-0**

## **Attended National and International Seminar/ Symposium/Conference/Workshop attended and Oral Seminar/ Presentations**

1. Seminar on “*The prospects of Exploitation of Non-conventional Animal Resources in Bangladesh*” Tenth National Zoological Conference of the Zoological Society of Bangladesh. Organized by University of Rajshahi, Bangladesh, 28-30th May 1996.
2. Seminar on “*Science, Technology and Sustainable Development*” Nineteenth Bangladesh Science Conference, Bangladesh Association for the Advancement of Science (BAAS), Organized by Jahangirnagar University, Saver, Dhaka, Bangladesh, 29-31 October, 1996,
3. Seminar on “*Technology Development of Fibres, Fruits, Oils and Fats, Lac (Natural Resins) and Pesticides in Bangladesh*” Bangladesh Association for the Advancement of Science (BAAS), Organized by BCSIR, Rajshahi, Bangladesh, 26-27, April 1997.
4. Seminar on “*Conserve Animals For A Balanced Environment*” Silver Jubilee (1972-1997) Celebration and Annual Conference of The Zoological Society of Bangladesh. Organized by University of Dhaka, Dhaka, Bangladesh, 2-3 July 1997.
5. Seminar on “*Quality Control of Frozen Shrimps and Fishes*” 11<sup>th</sup> Biennial National Conference, The Zoological Society of Bangladesh, Organized by University of Dhaka, Dhaka, Bangladesh, 28<sup>th</sup> Feb. to 1<sup>st</sup> March 1998.
6. International Conference on “*Environment and Agriculture*” Kathmandu, Nepal) Organized by Ecological Society (ECOS), Katmandu, Nepal, 1-3 Nov., 1998.

7. Seminar on **“Coastal Environment and Energy Resources in Bangladesh”**. Organized by Environmental Science Discipline, University of Khulna, Khulna, Bangladesh, 8-9<sup>th</sup> December 1998.
8. Seminar on **“Arsenic Pollution in Bangladesh: Its causes, effects and mitigation”** Organized by- Faculty of Science and Life and Earth Science, University of Rajshahi, Rajshahi, Bangladesh, 27-28 June 1999.
9. Symposia & Annual General Meeting, Organized by Bangladesh Association for the Advancement of Science (BAAS), University of Rajshahi, Bangladesh, 31<sup>st</sup> October 1999.
10. Seminar on **“Twenty-first century and Environmental Issues in Bangladesh”** Organized by, Zoological Society of Bangladesh, University of Dhaka, Dhaka, Bangladesh, 4-6 February 2000.
11. Seminar on **“Centenary of the Rediscovery of Mendelism (1900 –2000) and Cracking of the Human Genetic Code (2000)”** Organized by – Department of Genetics and Breeding, University of Rajshahi, Rajshahi; 27 – 28 January 2001.
12. Seminar on **“The Development of Gene Transformation System for Crops, Fruit, Trees and Ornamentals”** Organized by Faculty of Agriculture, University of Rajshahi, Rajshahi, March 19, 2002.
13. Seminar on **“Sericulture in China”** Organized by Zoological Society of Bangladesh (Rajshahi Region) and Institute of Biological Sciences, University of Rajshahi, Bangladesh, 10<sup>th</sup> April, 2002.
14. Seminar on **“Domestication of Wildlife & Possibility of its Exploitation”** Organized by “Zoological Society of Bangladesh, University of Dhaka, Bangladesh, 11 April, 2003.
15. Seminar on **“Killer Disease AIDS and people’s Awareness of the Catastrophe”** Organized by The Department of Population Science and Human Resources Development, University of Rajshahi, Bangladesh in Cooperation with UNDP, 11<sup>th</sup> December 2003.
16. Seminar on **“Biodiversity Conservation & The Zoologist”** Fourteenth Biennial National Conference 2004. Organized by, Zoological Society of Bangladesh, University of Dhaka, Bangladesh, 26-27 February 2004.
17. Seminar on **“Wanted! Seas and Oceans- Dead or Alive”** World Environment Day, Organized by- Life and Earth Sciences, University of Rajshahi, Rajshahi, Bangladesh, 5<sup>th</sup> June 2004.
18. Seminar on **“Bay of Bengal: Some Environmental Consideration”** Organized by, Zoological Society of Bangladesh,. Venue: ACI Center, 245 Tejgaon Industrial, Dhaka 1208, Bangladesh, 11 March 2005.
19. Seminar on **“REGA and CDM Awareness Building & Motivation under the ADB-PREGA Project”** Organized by- Bangladesh Centre for Advanced Studies (BCAS), Organized by University of Rajshahi, Rajshahi, Bangladesh, 27-28 July 2005.
20. Seminar on **“Role of Environmental Education (EE) for the Sustainable Development in Bangladesh”**, University of Khulna, Khulna, 2<sup>nd</sup> March 2006.
21. International Seminar on **“Global Environmental-cum-Ecological Challenges and Sustainability: Statistical Issues”**, Organized by- University of Rajshahi, Bangladesh. 19–21 December 2006.
22. Seminar on **“World Water Day-2007”** Organized by-Bangladesh Environmental Lawyer Association, Rajshahi, Bangladesh, Dated 22 March 2007.
23. Seminar on **“Exotic Species and Their Impact on Environment”** Organized by- Zoological Society of Bangladesh, University of Dhaka, Bangladesh, 30 March 2007.
24. Seminar on **“Melting ice, the consequences for Bangladesh”** Organized by- Bangladesh Association for Environmental Development (BAED), Bangladesh Agricultural University, Mymensingh, Bangladesh, 9<sup>th</sup> June 2007,
25. International Conference on **“Natural Resources Conservation: Zoological Perspective”** Organized By- Organized by- Zoological Society of Bangladesh, University of Rajshahi, Rajshahi, Bangladesh, 27- 29 February 2008.
26. International Conference on **“Bangladesh Environment, ICBEN 2010”** University of Dhaka, Bangladesh, January 3-4, 2010.
27. International Seminar on **“Rajshahi City: Past and Present”** Organized by-Institute of Bangladesh Studies, University of Rajshahi, Rajshahi, Bangladesh, 15-16 January 2010.

28. International Seminar 2010 on “**Climate Change and Environmental Challenges of 21<sup>st</sup> Century**”, Organized by-Institute of Environmental Science, University of Rajshahi, Bangladesh, University of Rajshahi, Bangladesh. 7-9 December 2010,
29. International Conference 2011 on “**Biodiversity- Present State, Problems and Prospects of its Conservation**” Organized by NUFU Project (Ecology Behaviour and Conservation of Some Wildlife of Bangladesh), Department of Zoology, University of Chittagong, Chittagong, Bangladesh, and Department of Biology, Norwegian University of science and Technology (NTNU), Trondheim, Norway, University of Chittagong, Bangladesh, 8-10 December 2011.
30. International Conference 2011 on “**Environmental Technology and Construction Engineering for Sustainable Development**,-ICETCESD-2011, Organized by- Department of Civil and Environmental Engineering, Shahjalal University of Science and Technology (SUST), Bangladesh, 10-12 March, 2011.
31. International Workshop 2011 on “**Ticks and Tick-borne Pathogens in Bangladesh and Its Control**”, Organized by Department of Pathology and Parasitology, Hajee Mohammad Danesh Science and Technology University (HSTU) Dinajpur, Bangladesh & Institute of Biology, University of Neuchatel, Switzerland, Venue: Auditorium 2, Hajee Mohammad Danesh Science and Technology University (HSTU) Dinajpur, Bangladesh, 27-28 April 2011.
32. National Seminar on “**Community Based Adaptation to Climate Change**” Jointly Organized by- IRCS project under the Department of Sociology and the ARCAB project of BCAS and IIED. Venue: Senate Bhaban, University of Rajshahi, November 16, 2011.
33. South Asian Regional Conference on “**Natural Resource Conservation in the Developing Countries Under the Changing Climate**” jointly organized by- the Department of Zoology, University of Rajshahi, Bangladesh; Fisheries and Marine Resource Technology Discipline, Khulna University, Bangladesh; Institute for Environment and Sanitation Studies (Earlier-Volta Basin Research Project) , Department of Zoology, University of Ghana, Ghana; Animal and Plant Science, University of Sheffield, UK and School of Environment, Natural Resource and Geography, University of Bangor, UK at Rajshahi University and Khulna University from 28-29 February and 1st March 2012.
34. International Conference 2012 on “**Environmental Technology and Construction Engineering for Sustainable Development**,-ICETCESD-2012, Organized by- Department of Civil and Environmental Engineering, Shahjalal University of Science and Technology (SUST), Bangladesh, 10-12 March, 2012.
35. National Conference on “**North Bengal Drought Conference (NBDC) 2012 on Sharing Knowledge Combating Climate Changes Disaster**”, Organized by-Department of Geology & Mining, University of Rajshahi, Co-organizer-CSRL, Barandra Campaign Group, Rajshahi, Bangladesh, 27-28 March 2012.
36. The 22nd Bangladesh Science Conference “**The Role of Scientist and Technologists to Achieve the MDG**” Jointly Organized by Bangladesh Association for the Advancement of Science (BAAS) and Bangladesh Council of Scientific and Industrial Research (BCSIR), Venue: BCSIR Campus, Dated: 27-29 September 2012.
37. Dissemination Workshop on “**Water Quality Testing and Assessment of Water Point in Zia Nagar Slum, Rajshahi, Under Poverty Reduction Action Research Project**”. Organized by- Village Education Resource Center (VERC) and A Jointly Initiative of Water Aid, Venue: Master Chef Conference Hall, Rajshahi. Dated: 23rd October 2012.
38. National Public Health Conference 2013 on “**Coordinated Multi-Sectoral Approach to Sustain Health Achievements and Meeting 21st Century Public Health Challenges**” Organized by- World Health Organization (WHO) and Institute of Epidemiology, Disease Control & Research (IEDCR), Venue: Radisson BLU Water Garden Hotel, Dhaka, Dated: January 13-15, 2013.
39. Workshop on “**Post 2015 Development Agenda**” Organized by- General Economic Department (GED), Planning Commission, Supported by- UN, Venue: Nanking Darber Hall, Rajshahi, Dated: 24 March, 2013.

40. Concept note of Dissemination Workshop on “**findings of WQT (Water Quality Test) Point in Zia Nagar Slum, Rajshahi, Under Poverty Reduction Action Research Project.** Organized by- Village Education Resource Center (VERC) Venue: Master Chef Conference Hall, Rajshahi. Dated: 19th September 2013.
41. Round Table Talk on “**A Viable Solution to Groundwater Depletion in Barind Area, Northwest of Bangladesh**” Organized by- Association For Land Reform and Development (ALRD) and Associate with Bangladesh Environmental Lawyer Association (BELA), BNPS, Nijera Kori, CCDB, Nagorik Uddek), Venue: Moonlight Garden, Shaheb Bazar, Rajshahi, Bangladesh. Dated: 26<sup>th</sup> February, 2014.
42. International Conference on “**Mitigation of Climate Change: Law, Policy and Governance**” Organized by- Campus Law Centre, University of Delhi, Venue: Law Campus, Delhi, India, Dated: 25-27 April 2014.
43. Workshop on “**Environmental Laws in Bangladesh**” Organized by- Ministry of Environment and Forest, Government of Peoples Republic of Bangladesh, Department of Environment, Rajshahi Division, Venue: BIAM Foundation Conference Room, Bogra, Bangladesh, Dated: 28.06.2014.
44. Workshop on "Impact of Climate Change in Bangladesh: Expectations and Demands of affected Community from Paris Climate Conference" held at a hotel Nice International in Rajshahi city on Thursday. Bangladesh Centre for Advanced Studies (BCAS) organized the workshop in association with European Union and the French embassy in Bangladesh, Dated: 14 May 2015.
45. Workshop on “**Biosafety & Biosecurity in Biomedical Research and Diagnostics**” held at Institute of Environmental Science, University of Rajshahi, Bangladesh. Organized by icddr,b’s, CDS (Center for Communicable Diseases), DGHS (Directorate General Health Service), CDC (Center for Diseases Control) Atlanta, USA, RU (Rajshahi University), BBBA (Bangladesh Biosafety and Biosecurity Association) from 09-11 August 2015.
46. Workshop on "**Clean Air Law (Draft)**" Organized by Bangladesh Environmental Lawyers Association (BELA), 09 August 2018, **as a discussant person**, Venue: Zodiac Conference Hall Hotel Warishon, Shaheb Bazar, Rajshahi,

***Published Abstract: Which are Published in Different Conferences Souvenir***

1. Jahan, M.S. & **Rahman, M.R.** 1996. Growth indices of *Lymnaea (Radix) acuminata* Lamarck (Gastropoda : Lymnaeidae), Zoological Conference of the Zoological Society of Bangladesh, Organized by- Zoological Society of Bangladesh, 28-30 May 1996, Abstract no. 54, Venue: Department of Zoology, University of Rajshahi, Rajshahi, Bangladesh.
2. Jahan, M.S., **Rahman, M.R.**, Al-Mahmud, M.A. & Sarker, M.M. 1997. Ecology of a freshwater, *Lymnaea luteola* (Gastropoda : Lymnaeidae), Silver Jubilee Conference on “**Conserve Animals for a Balanced Environment**” Organized by- Zoological Society of Bangladesh, July 02-03, 1997, Abstract no. 9, Venue: Teacher Student Center (TSC) Auditorium, University of Dhaka, Dhaka, Bangladesh.
3. Jahan, M.S., **Rahman, M.R.** & Biswas, L. 1997. Comparative morphological indices of freshwater lymnaeid snails (Gastropoda: Lymnaeidae), Silver Jubilee Conference “**Conserve Animals for a Balanced Environment**” Organized by- Zoological Society of Bangladesh, July 02-03, 1997, Abstract no. 10, Venue: Teacher Student Center (TSC) Auditorium, University of Dhaka, Dhaka, Bangladesh.
4. **Rahman, M.R.**, Jahan, M.S., Mannan, M.A. & Khatun, R. 1997. A collection of shells occupied by hermit crabs in the intertidal zone at Cox’s Bazar Coast, Silver Jubilee Conference on “**Conserve Animals for a Balanced Environment**” Organized By- Zoological Society of Bangladesh, July 02-03, 1997, Abstract no. 11, Venue: Teacher Student Center (TSC) Auditorium, University of Dhaka, Dhaka, Bangladesh.

5. Jahan, M.S., **Rahman, M.R.** & Sarker, M.M. 1998. Reproductive biology of freshwater pulmonates, *Lymnaea stagnalis* L. International Conference on **“Quality Control of Frozen Shrimps and Fishes” Organized by- Zoological Society of Bangladesh**, February 28 – March 1, 1998, Abstract no. 43, Venue: Department of Zoology, University of Dhaka, Dhaka, Bangladesh.
6. Jahan, M.S. & **Rahman, M.R.**. 1998. Ecology of *Bellamyia bengalensis* (Lamark, 1822) with to their larval helminth parasites. International Conference on **“Quality Control of Frozen Shrimps and Fishes” Organized By- Zoological Society of Bangladesh**, February 28 – March 1, 1998, Abstract no. 44, Venue: Department of Zoology, University of Dhaka, Dhaka, Bangladesh.
7. Jahan, M.S. & **Rahman, M.R.** 1998. Prospect of snail culture in Bangladesh. International Conference on **“Environment and Agriculture”** 1-3 November, 1998, Organized by Ecological Society (ECOS), Abstract no. AG 69, Venue Kathmandu, Nepal.
8. **Rahman, M.R.** & Jahan, M.S. 1998. Ecology of *Pila globosa* (Swainson, 1822) with to their Larval Helminth Parasites, Bangladesh Science Conference, Organized by- Bangladesh Association for the Advancement of Science (BAAS), 28-30 November 1998, Abstract no. 31(ix), Venue: Bangladesh University of Engineering & Technology, Dhaka, Bangladesh.
9. Jahan, M.S., Sarker, M.M. & **Rahman, M.R.** 1998. Embryonic development of Freshwater Snail, *Lymnaea stagnalis* Linnaeus, 1758, Bangladesh Science Conference, Organized by- Bangladesh Association for the Advancement of Science (BAAS), 28-30 November 1998, Abstract no. 32(ix), Venue: Bangladesh University of Engineering & Technology, Dhaka, Bangladesh.
10. Jahan, M.S., Islam, M.J. & **Rahman, M.R.** 1998. Molluscan Biodiversity of Sunderbans, Bangladesh, Seminar on **“Coastal Environment and Energy Resources in Bangladesh”** 8-9<sup>th</sup> December, 1998, Organized by – Environmental Science Discipline, University Khulna, Khulna.
11. Jahan, M.S. & **Rahman, M.R.** 1999. Biodiversity of the Aquatic Habitats of Rajshahi Metropolitan City, International Symposium on **“Frontiers of Research in Plant Science”** Abstract no. S-IV.7, Organized by- National Botanical Society, Department of Botany, University of Calcutta, India.
12. Parween, S., **Rahman, M.R.** & Ara, H. 2000. A Report on two Helminth Endoparasites from *Mastacembelus armatus* (Lacepede). Conference on **“Twenty First Century and Environmental Issues in Bangladesh”** Organized by Zoological Society of Bangladesh, 4-6 February 2000, Abstract no. 30, Venue: Department of Zoology, University of Dhaka, Bangladesh.
13. Jahan, M.S. & **Rahman, M.R.** 2006. Present Status and Expectation of Environmental Science Education in Bangladesh. Seminar on **“Role of Environmental Education (EE) for the Sustainable Development in Bangladesh”** 2<sup>nd</sup> March, 2006, Organized by- Bangladesh Society of Environmental Scientists (BSES), Venue: Environmental Science Discipline, University of Khulna, Khulna, Bangladesh.
14. Jahan, M.S., Islam, M.R. & **Rahman, M.R.** 2007. Ecology of *Pila globosa* (Swainson 1822) (Gastropoda : Prosobranchia) in Bangladesh, Conference on **“Exotic species and their Impact on Environment” 2007**, Organized by- Zoological Society of Bangladesh, 30 March, 2007, Abstract no. 32, Venue: Department of Zoology, University of Dhaka, Dhaka, Bangladesh.
15. Islam, M.N., Rahman, M.S. & **Rahman, M.R.** 2008. Fisheries Eco-biology of Beel Koshba of Naogaon District. International Conference on **“Natural Resources Conservation: Zoological Perspective”** Organized by- Zoological Society of Bangladesh, 27- 29 February 2008, Abstract no. 8, Venue: Department of Zoology, University of Rajshahi, Rajshahi, Bangladesh.
16. Islam, M.R., Jahan, M.S. & **Rahman, M.R.** 2008. Developmental biology of *Pila globosa* (Swainson, 1822) (Gastropoda: Prosobranchia). International Conference on **“Natural Resources Conservation: Zoological Perspective”** Organized by- Zoological Society of Bangladesh, 27- 29

February 2008, Abstract no. 14, Venue: Department of Zoology, Rajshahi University, Rajshahi, Bangladesh.

17. **Rahman, M.R.**, Islam, M.N. & Rahaman, M.S. 2010. Biodiversity of Beel Koshba of Naogaon District, Bangladesh. International Conference on “**Bangladesh Environment, ICBEN 2010**” January 3-4, Osmani Memorial Auditorium and Nabab Nawab Ali Chowdhury Senate Bhaban Complex, Dhaka University.
18. **Rahman, M.R. 2010.** International Seminar on Biodiversity of Rajshahi City: Past and Present, Organized by-Institute of Bangladesh Studies (IBS), University of Rajshahi, Bangladesh, 15-16 January 2010, Venue: Senate Bhaban, University of Rajshahi, Rajshahi, Bangladesh.
19. Azad, M.A.M., Jahan, M.S. & **Rahman, M.R.** 2010. Extraction and Detection of Some Essential Amino Acids From *Perionyx excavatus* For Natural Medicine, International Seminar on “**Climate Change and Environmental Challenges of 21<sup>st</sup> Century**” 7-9 December 2010, Abstract no. 11129, Organized by Institute of Environmental Science, University of Rajshahi, Rajshahi-6205, Bangladesh, 118 p.
20. Rahman, M.M. & **Rahman, M.R.** 2010. Environmental Impact Assessment of Farakka Barrage on Padma River, Bangladesh, International Seminar on “**Climate Change and Environmental Challenges of 21<sup>st</sup> Century**” 7-9 December 2010, Abstract no. 11078, Organized by Institute of Environmental Science, University of Rajshahi, Rajshahi-6205, Bangladesh, 118 p.
21. Jahan, M.S., Rahman, M.M. & **Rahman, M.R.** 2010. Earthworms the Resources of Natural Medicine: A Clinical Study on Rheumatic Fever Patients, International Seminar on “**Climate Change and Environmental Challenges of 21<sup>st</sup> Century**” 7-9 December 2010, Abstract no. 11076, Organized by Institute of Environmental Science, University of Rajshahi, Rajshahi-6205, Bangladesh, 118 p.
22. Jahan, M.S., Rahman, M.M. & **Rahman, M.R.** 2010. Biochemical Analysis of Earthworm Tissues: An Initial Attempt in Searching Natural Remedy For Rheumatic Fever, International Seminar on “**Climate Change and Environmental Challenges of 21<sup>st</sup> Century**” 7-9 December 2010, Abstract no. 11077, Organized by Institute of Environmental Science, University of Rajshahi, Rajshahi-6205, Bangladesh, 118 p.
23. Islam, M.A., Mostafa, M.G & **Rahman, M.R.** 2010. The potentiality of *Trichoderma* strains for bioconversion of municipal solid organic waste, International Seminar on “**Climate Change and Environmental Challenges of 21<sup>st</sup> Century**” 7-9 December 2010, Abstract no.11087, Organized by Institute of Environmental Science, University of Rajshahi, Rajshahi-6205, Bangladesh, 118 p.
24. Bulbul, S.H., Rahman, M.S. & **Rahman, M.R.** 2010. Comparison of yield performance of hybrid and inbred rice varieties under different level of intermittent irrigation, International Seminar on “**Climate Change and Environmental Challenges of 21<sup>st</sup> Century**” 7-9 December 2010, Abstract no. 11170, Organized by Institute of Environmental Science, University of Rajshahi, Rajshahi-6205, Bangladesh, 118 p.
25. Jahan, M.S., Bhuiyan, M.M.S., **Rahman, M.R.** & Hoque, M. 2011. First record of land molluscs *Macrochlamys lubrica*, *Girasia hookeri*, *Euaustenia cassida*, and *Sitala attega* (Mollusca: Stylommatophora: Ariophantidae) from Bangladesh, International Conference on “**Biodiversity-Present State, Problems, and Prospects of its Conservation**” Organized by NUFU Project (Ecology Behaviour and Conservation of Some Wildlife of Bangladesh), Department of Zoology, University of Chittagong, Chittagong, Bangladesh, and Department of Biology, Norwegian University of science and Technology (NTNU), Trondheim, Norway. 10-12 March 2011, Venue: Research Center for Mathematical and Physical Science (RCMPS), University of Chittagong, Chittagong, Bangladesh.

26. Akhtar, N., Betschart, B., **Rahman, M.R.** & Baki, M.A. 2011. Epidemiological study of ticks and ticks-borne pathogens in the northern part of Bangladesh. Proceedings of the International Workshop on **“Ticks and Tick-borne Pathogens in Bangladesh and Its Control”** Organized by Department of Pathology and Parasitology, Hajee Mohammad Danesh Science and Technology University (HSTU) Dinajpur, Bangladesh & Institute of Biology, University of Neuchatel, Switzerland, 27-28 April 2011, Venue: Auditorium 2, Hajee Mohammad Danesh Science and Technology University (HSTU) Dinajpur, Bangladesh.
27. Bhuiyan, M.S., Jahan, M.S., **Rahman, M.R.** and Haque, M. 2011. First Record of Freshwater Mussel (Bivalvia: Unionoida: Unionidae) of Bangladesh. Organized by- Zoological Society of Bangladesh, 31<sup>st</sup> December 2011, Abstract no. 6, Venue: Department of Zoology, Jahangirnagar University, Bangladesh.
28. **Rahman, M.R.** and Sarker, S.K. 2011. Climate Change Impact on Mushroom Diversity in Bangladesh. Organized by- Zoological Society of Bangladesh, 31<sup>st</sup> December 2011, Abstract no. 42, Venue: Department of Zoology, Jahangirnagar University, Bangladesh.
29. **Rahman, M.R.** 2011. Furcocercous Cercariae Infections in Freshwater Gastropods From Bangladesh. Organized by- Zoological Society of Bangladesh, 31<sup>st</sup> December 2011, Abstract no. 44, Venue: Department of Zoology, Jahangirnagar University, Bangladesh.
30. Bhuiyan, M.M.S., Jahan, M.S., **Rahman, M.R.** and Haque, M. 2012. Terrestrial Molluscs in the Northeastern Region of Bangladesh. organized by- the Department of Zoology, University of Rajshahi, Bangladesh; Fisheries and Marine Resource Technology Discipline, Khulna University, Bangladesh; Institute for Environment and Sanitation Studies (Earlier-Volta Basin Research Project) , Department of Zoology, University of Ghana, Ghana; Animal and Plant Science, University of Sheffield, UK and School of Environment, Natural Resource and Geography, University of Bangor, UK at Rajshahi University and Khulna University from 28-29 February and 1st March 2012.
31. Bhuiyan, M.M.S., Jahan, M.S., **Rahman, M.R.** & Haque, M. 2012. Freshwater Molluscs in the Northeastern Region of Bangladesh. Proceedings of the International Conference on **“Environmental Technology and Construction Engineering Sustainable Development”** ICETCESD-2012, 10-12 March, 2012, Shahjalal University of Science and Technology (SUST), Sylhet, Bangladesh. pp87-90.
32. Uddin, S.M.H., Mostafa, M.G., Haque, A.B.M.H., **Rahman, M.R.** and Sikder, M.B.H. 2012. Sustainable Management in Water Supply in Rajshahi City, Bangladesh. Proceedings of the International Conference on **“Environmental Technology and Construction Engineering Sustainable Development”** ICETCESD-2012, 10-12 March, 2012, Shahjalal University of Science and Technology (SUST), Sylhet, Bangladesh. pp253-256.
33. Bulbul, S.H. and **Rahman, M.R.** 2012. Yield and Water Use Efficiency of T. Aman Varieties Under Different Irrigation Regimes of Barind Tract, NW Bangladesh. National Conference on **“North Bengal Drought Conference (NBDC) 2012 on Sharing Knowledge Combating Climate Changes Disaster”**, Organized by- Department of Geology & Mining, University of Rajshahi, Co-organizer- CSRL, Barandra Campaign Group, Rajshahi, Bangladesh, 27-28 March 2012.
34. Bhuiyan, M.M.S., Jahan, M.S., **Rahman, M.R.** & Haque, M. 2012. Ecology of the Slug, *Girasia crocea* (Godwin-Austen) (Stylommatophora: Ariophantidae). The 22nd Bangladesh Science Conference on **“The Role of Scientist and Technologists to Achieve the MDG”** Jointly Organized by Bangladesh Association for the Advancement of Science (BAAS) and Bangladesh Council of Scientific and Industrial Research (BCSIR), Venue: BCSIR Campus, Dated: 27-29 September 2012.
35. Bhuiyan, M.M.S., Jahan, M.S., **Rahman, M.R.** & Haque, M. 2012. First Record of Freshwater Gastropods in the North-eastern Region of Bangladesh. The 22nd Bangladesh Science Conference on **“The Role of Scientist and Technologists to Achieve the MDG”** Jointly Organized by Bangladesh



Association for the Advancement of Science (BAAS) and Bangladesh Council of Scientific and Industrial Research (BCSIR), Venue: BCSIR Campus, Dated: 27-29 September 2012.

36. Bhuiyan, M.M.S., Jahan, M.S., **Rahman, M.R.** & Haque, M. 2012. New record of Northeastern region of Bangladesh. The 18th Biennial International Conference-2012 on **“Contribution of Biodiversity to National Economy”** Organized by- Zoological Society of Bangladesh, Venue: Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka, Dhaka, Bangladesh, Dated: 22nd December 2012.
37. Jahan, M.S., **Rahman, M.R.** and Azad, M.A.M. 2013. Studies on antimicrobial activities of *Perionyx excavatus* extract against responsible pathogen (Group A  $\beta$ -haemolytic streptococcus) for Rheumatic fever in perspective of Bangladesh. Abstract no.: 40, Organized by- World Health Organization (WHO) and Institute of Epidemiology, Disease Control & Research (IEDCR), Venue: Radisson BLU Water Garden Hotel, Dhaka, Dated: January 13-15, 2013.
38. Rahman, M.M. and **Rahman, M.R.** 2013. Insufficiency of Drainage and Sanitation System of Rajshahi City: Impact on Human Health. Abstract no.: 44, Organized by- World Health Organization (WHO) and Institute of **Epidemiology, Disease Control & Research (IEDCR)**, Venue: Radisson BLU Water Garden Hotel, Dhaka, Dated: January 13-15, 2013.
39. Rahman, M.M. and **Rahman, M.R.** 2014. Impact on Climate Change on Fisherman in the Coastal Zone of Bangladesh: A Study after Three Devastating Cyclone International Conference on **Mitigation of Climate Change Law, Policy and Governance**, Working Session-II, Abstract no.: i, Organized by- Campus Law Centre, University of Delhi, Delhi-110007, India.
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50. Chowdhury, S.I. Shah, K.Z., **Rahman, M.R.**, Begum, N., Hossain, M., Ahmed, P., Hosen, M.M.A., Khatun, S., Uddin, M.F. and Mostaque, S.K. 2017. Study of Radiation Dose Rate From Patients Undergoing Radionuclide Bone Scintigraphy, National Conference of Physics-2017, Theme: Physics in the 21st century: prospects and perspectives, venue: Energy Center, Dhaka, Dated: 5-7 January, 107pp.
51. **Rahman, M.R.**, Ali, M.Y., Hasan, M., Rahman, M.A., Kafy, A.A., Ara, I. and Javed, A. 2018. Life cycle energy and cost analysis of small scale biogas plant and solar PV system in rural areas of Bangladesh, 2nd International Conference on Energy and Power, **ICEP 2018**, 13–15 December 2018, Sydney, Australia, Abstract ID: 51, p.45.

#### *Media*

##### **1. Global Warming- Dr. Md. Redwanur Rahman**

<http://alltimenews.com/article/bengali/2012/08/12/disaster/4116>

##### **2. Pollution Free Sea for Life- Dr. Md. Redwanur Rahman**

<http://alltimenews.com/article/bengali/2012/08/28/disaster/4405>

#### *Scientific Expert Comments Which is Published Different National News Paper*

<b>Title of Comments</b>	<b>Name of News Papers</b>	<b>Published Date and Year</b>
<b>Bird fair at RU campus</b>	<i>The Daily Star</i>	February 4, 2007
<b>Biting cold disrupts normal life</b>	<i>The New Nation</i>	December 13, 2009
<b>Richer nations responsible for climate change</b>	<i>The New Nation</i>	June 5, 2009
<b>Low water flow Padma drying up</b>	<i>Daily Online</i> <i>Alochona</i>	February 10, 2010

<b>Scanty water flow triggers drying up of Padma: Experts</b>	<i>The Daily Star</i>	February 9, 2010
<b>Scanty water flow triggers Padma drying up, say experts</b>	<i>The News Today</i>	February 11, 2010
<b>World Environment Day observed at RU</b>	<i>The News Today</i>	June 06, 2010
<b>Need-oriented Steps for Bamboo</b>	<i>The Bangladesh Today</i>	August 21, 2011
<b>Experts for awareness on poisoning and snakebite</b>	<i>The Bangladesh Today</i>	April 3, 2011
<b>Development Activists Want Law to Restore Chalan Beel</b>	<i>Bangladesh Sangbad Sangstha (BSS)</i>	October 10, 2012
<b>Call to save Chalan Beel ecosystem</b>	<i>The Independence</i>	October 23, 2012
<b>Brick kilns function without license in Rajshahi</b>	<i>The Bangladesh Today</i>	March 8, 2012
<b>Water resources must be protected from degradation</b>	<i>The Bangladesh Today</i>	January 31, 2012
<b>Rights to safe drinking water must be ensured to all Social Media Tools</b>	<i>Water World</i>	October 24, 2012
<b>Water supply, sanitation suggested for slum people</b>	<i>Bangladesh Sangbad Sangstha</i>	September 20, 2013
<b>Water supply, sanitation suggested for slum people</b>	<i>DHAKA MIRROR</i>	September 20, 2013
<b>Scientists, development activists for law to restore Chalan Beel</b>	<i>The Financial Express</i>	May 10, 2013
<b>Slum people need water supply, sanitation supports</b>	<i>Primenews.com.bd</i>	September 9, 2013
<b>Scientists desire law to restore Chalan Beel</b>	<i>The News Today</i>	May 28, 2013
<b>Slum people need water supply, sanitation support</b>	<i>The Bangladesh Today</i>	September, 2013
<b>Effective measures to reduce ground water depletion stressed</b>	<i>The Bangladesh Today</i>	March 1, 2014
<b>Surface water must be protected from further degradation : experts</b>	<i>bdnews24.net</i>	March 23, 2014
<b>Wastes pollute rivers, water bodies in Rajshahi</b>	<i>Green Watch</i>	January 11, 2015