

# CURRICULLUM VITAE

## Contact address

### Dr. Muhammad Abdur Razzak

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Department of Aquaculture  
Patuakhali Science and Technology University  
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**1. Research Interest:** Aquaculture, Fish Nutrition, Fish Pathology, Fish & Shrimp Diseases and Fish Feed Technology.

## 2. Personal Details

Name : **DR. MUHAMMAD ABDUR RAZZAK**  
Father's Name : Muhammad Mozibar Rahman  
Mother's Name : Mst. Rokeya Begum  
Date of Birth and Place : 15<sup>th</sup> January, 1981; Jamalpur  
Nationality : Bangladeshi (by birth)  
Marital Status : Married  
Permanent Address : Vill. Kawamara, P.O. Pingna  
P.S. Sarishabari, Dist. Jamalpur

## 3. Academic Career

Name of Examination	Board/University	Year of Passing	Marks Obtained
Secondary School Certificate (S.S.C.)	Dhaka Board	1996	80.7%
Higher Secondary Certificate (H.S.C.)	Dhaka Board	1998	74.2%
B.Sc. Fisheries (Hon's)	Bangladesh Agricultural University, Mymensingh	2003	59.44%
M.S. in Aquaculture	Bangladesh Agricultural University, Mymensingh	2006	G.P.A. 3.86 in a Scale of 4.00
Ph. D in Fisheries Management	Bangladesh Agricultural University, Mymensingh	2014	Completed

## 4. Achievements

Independent worked in international environment for six years. Easy adaptation to new situations, analytical methods and professional requirements.

## 5. Language Proficiency

Language	Reading	Writing	Speaking
English	Excellent	Very good	Very good
Bangla	Excellent	Excellent	Excellent

## 6. Publications

- i) **M. A. Razzak**, M. Frei, M. A. M. Khan, K. Becker and S. Dewan. 2007. Impact of Common Carp, *Cyprinus carpio* L., and Nile Tilapia, *Oreochromis niloticus* (L.) on Arthropods Population, Zoobenthos and Weeds in Rice Fish Culture. *Bangladesh J. Fish. Res.*, 11(1): 19-28.
- ii) M. Frei, **M. A. Razzak**, M. M. Hossain, M. Oehme, S. Dewan and K. Becker. 2007. Methane Emissions and Related Physiochemical Soil and Water Parameters in Rice-Fish Systems in Bangladesh. *Agriculture, Ecosystems and Environment*, 120: 391-398.
- iii) M. Frei, **M. A. Razzak**, M. M. Hossain, M. Oehme, S. Dewan and K. Becker. 2007. Performance of Common Carp, *Cyprinus carpio* L., and Nile Tilapia, *Oreochromis niloticus* (L.) in Integrated Rice-Fish Culture in Bangladesh. *Aquaculture*, 262: 250-259.
- iv) M. Frei, M. A. M. Khan, **M. A. Razzak**, M. M. Hossain, S. Dewan and K. Becker. 2007. Effects of a Mixed Culture of Common Carp, *Cyprinus carpio* L., and Nile Tilapia, *Oreochromis niloticus* (L.) on Terrestrial Arthropods Population, Benthic Fauna, and Weed Biomass in Rice Fields in Bangladesh. *Biological Control*, 41: 207-213.
- v) M. Oehme, M. Frei, **M. A. Razzak**, S. Dewan and K. Becker, 2007. Studies on Nitrogen Cycling Under Different Nitrogen Inputs in Integrated Rice-Fish Culture in Bangladesh. *Nutr Cycl Agroecosyst*, 79: 181-191.
- vi) **M. A. Razzak**, A. Nahar, M. Mirhaj, K. Becker and S. Dewan. 2009. Effects of Fish and Prawn Culture on Physico-chemical Parameters of water and rice yield in Rice Fields. *Bangladesh J. Fish. Res.*, 13(2): 121-130.
- vii) **M. A. Razzak**, M. H. O. Rashid, M. Mirhaj, K. Becker and S. Dewan. 2010. Impact of Fish and Prawn Culture on Benthos, Aquatic Weeds and Rice Yield in Rice Fields. *Int. J. BioRes.*, 1 (4): 25-30.
- viii) M. Mirhaj, A. Boit, **M.A. Razzak** and M.A. Wahab. 2013. Yield performance comparison between cultures of rice cum prawn (*Macrobrachium rosenbergii*) and rice cum fish (*Cyprinus carpio*, *Oreochromis niloticus*) in North-Eastern Bangladesh. *Aquaculture*, 392-395: 26-35.
- ix) M. Mirhaj, **M.A. Razzak** and M.A. Wahab. 2014. Comparison of nitrogen balances and efficiencies in rice cum prawn vs. rice cum fish cultures in Mymensingh, North-Eastern Bangladesh. *Agricultural Systems* 125: 54–62.
- x) **M. A. Razzak**, M. Yousuf, S. Jahan and N. Nahar. 2019. Investigation of common diseases on cage reared Nile tilapia (*Oreochromis niloticus*) in Bakergonj, Barishal, Bangladesh. *Bangladesh J. Fish.*, 31(2): 261-270.
- xi) **M. A. Razzak**, Z. P. Sukhan, M. J. Alam, M. Al-Amin, M. R. Sikder, S. Hossen and N. Nahar. 2019. Optimization of stocking density of seabass (*Lates calcarifer*) in brackish- and freshwater earthen pond under monoculture in south-west coastal zone of Bangladesh. *Bangladesh J. Fish.*, 31(2): 305-312.
- xii) M. A. U. Doulah, S. M. M. Islam, M. S. Rahman, M. S. Islam, M. H. O. Rashid and **M. A. Razzak**. 2019. Investigation of parasite and diseases at cage culture Nile tilapia (*Oreochromis niloticus*) in Southern region of Bangladesh. *Res. Agric. Livest. Fish.* 6 (3): 431-437.

xiii) **M. A. Razzak**, M. E. Ahsan and N. Nahar. 2020. The Impact of Co-management on the Sundarbans Fisheries: Evidence from Sharankhola, Bagerhat, Bangladesh. *Journal of Biology, Agriculture and Healthcare*, 10(2): 41-50.

xiv) M. H. Khatun, M. L. Rahman, N. Saha, M. Suliaman, **M. A. Razzak** and SM. M. Islam. 2021. Behaviour and morphology pattern analysis of Indian major carps fingerlings exposed to commercial diesel oil suspension. *Chemistry and Ecology*, <https://doi.org/10.1080/02757540.2021.1892655>

xv) S. R. Islam, M. E. Ahsan, M. M. Haque, **M. A. Razzak**, L. Schlüter, R. Podduturi and N. O. G. Jørgensen. 2021. Microbial water quality in pangasius and tilapia aquaculture systems in five regions of Bangladesh. *Malaysian Journal of Microbiology*, 17(4): 435-451.  
DOI: [10.21161/mjm.211132](https://doi.org/10.21161/mjm.211132)

xvi) S. R. Islam, M. M. Haque, **M. A. Razzak**, L. Schlüter, M. E. Ahsan, R. Podduturi and N. O. G. Jørgensen. 2021. Yellow Tainting of Flesh in Pangasius (*Pangasianodon hypophthalmus*): Origin of the Color and Procedures for Removal. *Aquat Sci Eng*, 36(4): 193-201.  
DOI: [10.26650/ASE2021862649](https://doi.org/10.26650/ASE2021862649)

xvii) S. B. Lassen, M. E. Ahsan, S. R. Islam, X.Y. Zhou, **M. A. Razzak**, J. Q. Su and K. K. Brandt. 2022. Prevalence of antibiotic resistance genes in *Pangasianodon hypophthalmus* and *Oreochromis niloticus* aquaculture production systems in Bangladesh. *Science of the Total Environment*, 813: 151915. DOI: [10.1016/j.scitotenv.2021.151915](https://doi.org/10.1016/j.scitotenv.2021.151915)

xviii) M. E. Ahsan, S. R. Islam, **M. A. Razzak**, M. L. Ali and M. M. Haque. 2022. Assessment of heavy metals from pangasius and tilapia aquaculture in Bangladesh and human consumption risk. *Aquaculture International*, 30:1407–1434. DOI: [10.1007/s10499-022-00903-w](https://doi.org/10.1007/s10499-022-00903-w)

## 7. Research Project

- **Principal Investigator** in the project ‘Fish Farming Practices in Rice Environments of Bagerhat District’. Funded by Research and Training Center, Patuakhali Science and Technology University. Duration: April 2016 to March 2017.
- **Principal Investigator** in the project “Upgrading of Pangas and Tilapia value chains in Bangladesh”. A collaborative project among Patuakhali Science and Technology University (PSTU), Bangladesh Agricultural University (BAU) and University of Copenhagen (UC), Denmark, funded by DANIDA, Denmark. Duration: August 2015 to August 2017.
- **Team Leader** in the project “Upgrading of Pangas and Tilapia value chains in Bangladesh”. A collaborative project among Patuakhali Science and Technology University (PSTU), Bangladesh Agricultural University (BAU) and University of Copenhagen (UC), Denmark, funded by DANIDA, Denmark. Duration: August 2017 to March 2020.
- **Principal Investigator** in the project ‘Production of Asian Seabass (*Lates calcarifer*) in Brackish and Freshwater Earthen Pond under Natural and Artificial Feeding Regime in South-West Coastal Zone of Bangladesh’. Funded by Bangladesh Agricultural Research Council (BARC). Duration: July 2017 to September 2018.
- **Principal Investigator** in the project ‘Investigation of Common Diseases on Cage Reared Nile Tilapia (*Oreochromis niloticus*) at Bakergonj, Barisal’. Funded by Research and Training Center, Patuakhali Science and Technology University. Duration: August 2017 to July 2018.

- **Research Associate** in the project ‘Effect of different protein sources in fingerling diet on growth and feed utilization of indigenous stinging catfish, *Heteropneustes fossilis* (Bloch)’. Funded by Ministry of Science and Technology, the People’s Republic of Bangladesh. Duration: August 2019 to July 2020.
- **Principal Investigator** in the project ‘Improvement of existing fattening technology of carp and high valued small indigenous species (SIS) through good aquaculture practices (GAP) in different agro-ecosystems’. Funded by Bangladesh Agricultural Research Council (BARC). Duration: December 2017 to June 2021.
- **Principal Investigator** in the project ‘Screening of bioavailable tetracyclines and arsenic using whole-cell bioreporter from fish farms in Patuakhali, Bangladesh’. Funded by Research and Training Center, Patuakhali Science and Technology University. Duration: July 2021 to June 2022.
- **Principal Investigator** in the project “*ECOPRAWN-Climate-friendly and climate resilient prawn farming in Bangladesh*”. A collaborative project among Patuakhali Science and Technology University (PSTU), Bangladesh Agricultural University (BAU) and University of Copenhagen (UC), Denmark, funded by DANIDA, Denmark. Duration: March 2022 to February 2025 (On-going project).
- **Co-Principal Investigator** in the project “Production of Asian seabass (*Lates calcarifer*) in brackish-water pond under natural and seaweed-based artificial feeding regime in coastal Bangladesh”. Funded by Sustainable Coastal and Marine Fisheries Project (SCMFP), DOF, Bangladesh Fisheries Matching Grant Facility (BFMGF), WINDOW 1. Duration: July 2022 to June 2023 (On-going project).
- **Principal Investigator** in the project ‘Screening of bioavailable tetracyclines and arsenic using whole-cell bioreporter from fish farms in Barishal, Bangladesh’. Funded by Research and Training Center, Patuakhali Science and Technology University. Duration: July 2022 to June 2023 (On-going project).

## 8. Computer skill

- Excellent computer skills on MS Windows, MS Office, Internet, MStatc and SSPS etc.
- Competent user of e-mail and internet.

## 9. Professional Skills

- Well experienced in analytical methods such as protein analysis, lipid analysis, ash analysis, fibre analysis, chemical & in vitro digestibility methods, water quality analysis, histology procedure and pathogenic microbial load.
- Intensive training on Gas Chromatograph.
- Experience in data collection, site selection, group formation, group discussion and training schedule preparation.
- Skill in motivating an individual or group and in giving presenting and co-ordination with people.
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## 10. Fellowship Achieved

- National Science & Information and Communication Technology (N.S.I.C.T) Senior Fellowship

## 11. Hobbies

- Classical Bangla literature and music from the 19<sup>th</sup> century of Bangladesh.

- Traveling
- Fishing

## 12. Professional Membership

- i) Life member of Bangladesh Fisheries Research Forum (BFRF)
- ii) Member of Krishibid Institution Bangladesh

## 13. Experience

### Employment Record- I

**Job Title:** Studies on Productivity and Environmental Effects of the Integration of Semi-Intensive Fish Culture in Rice Field Ecosystems

**Position** : Research Assistant

**Implementing Institute** : Bangladesh Agricultural University, Mymensingh

**Funded by** : German Research Foundation (DFG)

**Principal Investigator** : Prof. Dr. Klaus Becker, Department of Aquaculture Systems and Animal Nutrition, University of Hohenheim, Stuttgart, Germany

**Duration** : June 2005 to May 2006

### Employment Record- II

**Job Title** : Optimisation of Nutrient Flow and Environmental Effects of Integrated Rice Aquacultures with *Oreochromis niloticus* (L.), *Cyprinus carpio* L. and *Macrobrachium rosenbergii* (De Man)

**Position** : Research Fellow

**Implementing Institute** : Bangladesh Agricultural University, Mymensingh

**Funded by** : German Research Foundation (DFG)

**Principal Investigator** : Prof. Dr. Klaus Becker, Department of Aquaculture Systems and Animal Nutrition, University of Hohenheim, Stuttgart, Germany

**Duration** : May 2007 to October 2010

### Employment Record- III

**Position** : Senior Officer

**Implementing Institute** : Agrani Bank Limited, Bangladesh

**Duration** : November 2010 to May 2012

### Employment Record- IV

**Position** : Upazila Fisheries Officer

**Implementing Institute** : Department of Fisheries, Ministry of Fisheries & Livestock, Bangladesh

**Duration** : June 2012 to July 2015

## Employment Record- V

**Position** : Assistant Professor  
**Implementing Institute** : Department of Aquaculture, Patuakhali Science and Technology University, Dumki, Patuakhali  
**Duration** : August 2015 to January 2020

## Employment Record- VI

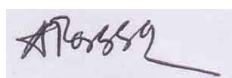
**Position** : Associate Professor  
**Implementing Institute** : Department of Aquaculture, Patuakhali Science and Technology University, Dumki, Patuakhali  
**Duration** : January 2020 to till date

## 14. Training Received

No.	Name of Course	Institute	Duration
i.	Training Course on “ <i>Aquaculture and Extension: MAEP Experiences</i> ”.	Mymensingh Aquaculture Extension Project, Mymensingh.	05.04.2003-09.04.2003
ii.	Training Course on “ <i>Fisheries and Aquaculture Research</i> ”.	Bangladesh Fisheries Research Institute (BFRI), Mymensingh.	12.04.2003-16.04.2003
iii.	Training Course on “ <i>Aquaculture, Extension and Training Methodology</i> ”.	Northwest Fisheries Resources Development and Management Project (Phase-III), Parbatipur, Dinajpur.	20.04.2003-23.04.2003
iv.	Extension Field Trip.	Department of Agricultural Extension and Education, BAU.	06.09.2003-11.09.2003
v.	Training on “ <i>Fish Hatchery Management, Fry Nursing, Rearing &amp; Transportation and Brood Management</i> ”.	Raipur Fish Seed Farm Complex, Laxmipur.	01.07.2003-03.07.2003
vi.	Training Course on “ <i>Basics of MS Office</i> ”	Graduate Training Institute, BAU, Mymensingh	18.02.2006-02.03.2006
vii.	FM’s Practical Phonetics Course	FM Institute, Mymensingh Campus	24.02.2008-09.03.2008
viii.	Spoken and Written English Course	FM Institute, Mymensingh Campus	29.03.2008-30.06.2008
ix.	Course on “ <i>Data Analysis: MStatc and SPSS</i> ”	Graduate Training Institute, BAU, Mymensingh	12.07.2008-24.07.2008
x.	58 <sup>th</sup> Foundation Training Course	Bangladesh Public Administration Training Centre, Savar, Dhaka	18.01.2015-09.07.2015
xi.	Statistical Data Analysis Using SPSS for the faculty members	HEQEP Project, Faculty of Fisheries, Patuakhali Science and Technology University	17.07.2018-21.07.2018
xii.	Research Methodology and Scientific Report Writing” for the faculty members	HEQEP Project, Faculty of Fisheries, Patuakhali Science and Technology University	02.09.2018-04.09.2018
xiii.	Bangfish Fish Disease Course	Danish Fish Immunology Research Center and Network at Denmark	22.10.2018-26.10.2018

## 15. Participation in Workshop/Seminars

- ❖ Workshop on “Freshwater Prawn Farming: Search for New Technologies” organized by the Bangladesh Agricultural University and Bangladesh Fisheries Research Forum held on 16 May, 2007.
- ❖ Attended on “3<sup>rd</sup> Biennial Fisheries Conference and Research Fair 2008” organized by the Bangladesh Fisheries Research Forum held on 16-17 January, 2008.
- ❖ Workshop on “Conservation and Research on Technological Development of Hilsa Resources” organized by the BFRI and Ministry of Fisheries and Livestock held on 12 March, 2008.
- ❖ Workshop on “Eco-friendly Shrimp Culture” organized by the BFRI and Ministry of Fisheries and Livestock held on 10 June, 2008.
- ❖ Seminar on “Household Food Security: Problems and Opportunities for the Resource for Poor Farmers” organized by Ph.D. Students Association, Bangladesh Agricultural University, Mymensingh held on 23 August, 2008.
- ❖ Regional Workshop on “Production and Conservation of Small Indigenous Species in South and Southeast Asia” organized by the Bangladesh Agricultural University and University of Copenhagen, Denmark held on 3-4 December, 2008.
- ❖ Workshop on “Microbial Water Quality” organized by BANGFISH Project funded by Danish International Development Agency (DANIDA) from 18 to 22 February 2018.
- ❖ Workshop on “Biosensor and qPCR Chip Technologies for Microbial Characterization of Water Quality” organized by BANGFISH Project funded by Danish International Development Agency (DANIDA) from 18 to 19 February 2019.
- ❖ Attended on “9<sup>th</sup> Biennial Fisheries Conference and Research Fair 2022” organized by the Bangladesh Fisheries Research Forum held on 28-29 May, 2022.



13-11-2022

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**(Dr. Muhammad Abdur Razzak)**