

## Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Mst. Khadiza Begum**  
Address **Assistant Professor, Department of Fisheries, University of Dhaka, Dhaka-1000, BANGLADESH**  
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E-mail(s) khadiza.begum@du.ac.bd  
Nationality Bangladeshi  
Date of birth 25 December 1989

### Work experiences

Dates 29 September 2019 to Date  
Occupation or position held **Assistant Professor**  
Name and address of employer Department of Fisheries, University of Dhaka  
Dhaka-1000 (Bangladesh)  
Type of business or sector Public University  
Dates 25 January 2016 to 28 September 2019  
Occupation or position held **Lecturer**  
Name and address of employer Department of Fisheries, University of Dhaka  
Dhaka-1000 (Bangladesh)  
Type of business or sector Public University

### Education

Dates 01 January 2013 - 30 December 2013  
Title of qualification awarded **Master of Science (MS) in Fisheries (Thesis Group; Comparative Microbiological Assessment of Export Oriented Fishes and Locally Marketed Fishes)**  
Name and type of organisation providing education and training Department of Fisheries, Faculty of Biological Sciences, University of Dhaka  
Dhaka-1000 (Bangladesh)  
Dates 01 January 2009 - 30 December 2012  
Title of qualification awarded **Bachelor of Science (BS) with Honours in Fisheries**  
Name and type of organisation providing education and training Department of Fisheries, Faculty of Biological Sciences, University of Dhaka  
Dhaka-1000 (Bangladesh)

### Training

Dates 30 August 2019 – 31 August 2019  
Title of qualification awarded **Basic Bioinformatics Training on Data Mining**  
Name and type of organisation providing education and training BioTed, Dhaka, Bangladesh  
Dates 01 March 2019 – 02 March 2019  
Title of qualification awarded **Research Methodology**  
Name and type of organisation providing education and training Asiatic Society of Bangladesh, Dhaka, Bangladesh  
Dates 30 November 2018 – 12 January 2019

Title of qualification awarded	<b>SPSS for Professionals and Students</b>
Name and type of organisation providing education and training	Department of Statistics, University of Dhaka, Bangladesh
Dates	06 to 07 May 2017
Title of qualification awarded	<b>Induction workshop on 'Teaching-Learning'</b>
Name and type of organisation providing education and training	Centre of Excellence in Teaching and Learning (CoETL), University of Dhaka, Bangladesh
Dates	30 January to 02 February 2017
Title of qualification awarded	<b>Teaching-Learning Methods and Techniques</b>
Name and type of organisation providing education and training	Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh, Bangladesh
Dates	11 to 12 November 2016
Title of qualification awarded	<b>Workshop on Bioinformatics</b>
Name and type of organisation providing education and training	North South University, Bangladesh
Dates	21 to 22 May 2016
Title of qualification awarded	<b>Workshop on 'Biosafety and biosecurity in biomedical research and diagnostics'</b>
Name and type of organisation providing education and training	Centre for Advanced Research in Sciences, University of Dhaka, Bangladesh
Dates	7 April 2016
Title of qualification awarded	<b>Workshop on 'Basic biosafety training on handling infectious microorganisms'</b>
Name and type of organisation providing education and training	Department of Microbiology, University of Dhaka (Under Higher Education Quality Enhancement Project), Bangladesh

#### Additional information

#### A. Publications

1. Yasin, A, **MK Begum**, B Saha, PD Suchi, MME Eshik, MS Rahman.2020. Heavy metals concentration and possible health risks from shrimp nurseries at south-west region, Bangladesh. Bangladesh J. Zool. 48(1): 167-179.
2. Begum, MA, NJ Punom, MME Eshik, **MK Begum**, T Khan, ML Saha and MS Rahman. 2020. Pathogenic gut microbiota associated with striped catfish, *Pangasianodon hypophthalmus* (sauvage, 1878) cultured in Bangladesh and their antibiotic sensitivity pattern. Dhaka University Journal of Biological Sciences 29(1): 61-73.
3. Hossain MM, NJ Punom, MME Eshik, **MK Begum**, MAI Bhuiyan and MS Rahman.2019. Histopathology and molecular characterization of microsporidian parasites in cultured shrimp *Penaeus monodon* of Bangladesh. *Journal of the Asiatic Society of Bangladesh* 45 (2) : 227-236
3. Begum MA, NJ Punom, MME Eshik, **MK Begum**, ML Saha and MS Rahman. 2019. Proximate composition, fatty acid and amino acid profile of striped catfish, *Pangasianodon hypophthalmus* (Sauvage, 1878) cultured in Bangladesh. Bioresearch Communications. 5 (2): 715-724.
4. **Begum MK**, MME Eshik, NJ Punom, MM Abedin and MS Rahman. 2018. Growth performances and bacterial load of *Heteropneustes fossilis* (Bloch, 1794) using cinnamon as feed supplement. Bangladesh J. Zool. 46(2): 155-166.
5. Eshik MME, NJ Punom, **MK Begum**, T Khan, ML Saha and MS Rahman. 2018. Molecular characterization of Acute Hepatopancreatic Necrosis Disease causing *Vibrio parahaemolyticus* strains in cultured shrimp *Penaeus monodon* in south-west farming region of Bangladesh. Dhaka Univ. J. Biol. Sci. 27(1):57-68.
6. Eshik MME, MM Abedin, NJ Punom, **MK Begum** and MS Rahman. 2017. Molecular identification of AHPND positive *Vibrio parahaemolyticus* causing an outbreak in south-west farming regions of Bangladesh. J. Bangladesh Acad. Sci. 41 (2): 127-135.

7. Smriti S, T Islam, **MK Begum**, NJ Punom, S Mitra, A Hossain, RH Sarker and MS Rahman. 2017. Fraudulence detection in fish marketing of Bangladesh using DNA barcoding. J. Bangladesh Acad. Sci. 41 (1): 1-11.
8. Islam MR, MR Hassan, M Begum, NJ Punom, **MK Begum**, N Sultana and MS Rahman. 2017. Effects of feeding zooplankton, *Moina macrocopa* (Straus, 1820) on the growth and body composition of Nile tilapia *Oreochromis niloticus* L. Bangladesh J. Sci. Ind. Res. 52 (2): 127-134
9. Hossain MB, N Sultana, P Noor, S Khan, SA Lisa, M. Begum, NJ Punom, **MK Begum**, MR Hasan and MS Rahman. 2017. Growth performance and fatty acid profile of Nile tilapia *Oreochromis niloticus* (Linnaeus, 1758) fed with different phytoplankton. Dhaka Univ. J. Biol. Sci. 26(1): 13-27.
10. Hossain MI, B Saha, M Begum, NJ Punom, **MK Begum** and MS Rahman. 2016. Bioaccumulation of heavy metals in Nile tilapia *Oreochromis niloticus* (Linnaeus 1758) fed with commercial feeds. Bangladesh Journal of Scientific Research. 29(2): 89-99.
11. Punom NJ, AKMM Hasan, W Haque, **MK Begum** and MS Rahman. 2016. 16S rRNA sequence based identification of pathogenic gut microbiota of Rohu *Labeo rohita* (Hamilton-Buchanan 1822) and Silver Carp *Hypophthalmichthys molitrix* (Valenciennes 1844). Dhaka Univ. J. Biol. Sci. 25(2): 169-184.

## B. Research Projects

1. "Revealing the Whole Genome Sequence of Acute Hepatopancreatic Necrosis Disease (AHPND) positive *Vibrio parahaemolyticus* strain isolated from shrimp (*Penaeus monodon*) of south-west farming region of Bangladesh" funded by University Grants Commission Bangladesh for the fiscal year 2019-2020. (Co-Investigator)
2. "Molecular characterization and antibiotic susceptibility of the causative agents of vibriosis diseases in cultured shrimp *Penaeus monodon* of Bangladesh" funded by Ministry of Science and Technology, Government of Bangladesh for fiscal year 2019-2020 (as Co-Investigator)
3. "Economic feasibility of Recirculating Aquaculture Systems (RAS) in Bangladesh funded by University Grants Commission Bangladesh for the fiscal year 2018-2019. (Investigator)
4. "Bacterial and heavy metal contamination in Shrimp PL nurseries of south-west farming regions of Bangladesh" funded by Ministry of Science and Technology, Government of Bangladesh for fiscal year 2018-2019 (as Co-Investigator)
5. "Genetic variation of freshwater eel *Monopterus* sp. populations of Bangladesh through Random Amplified Polymorphic DNA (RAPD)" funded by Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, Bangladesh for the year 2017-18 (Investigator).
6. "Effect of cinnamon (*Cinnamomum* sp.) as feed supplement on growth performance and bacterial load of *Heteropneustes fossilis* (Bloch, 1972)" funded by Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, Bangladesh for the year 2016-17 (Co-Investigator).
7. "Histopathology and Molecular characterization of microsporidian parasite *Enterocytozoon hepatopenaei* (EHP) in Black tiger shrimp *Penaeus monodon*" funded by Ministry of Science and Technology, Government of Bangladesh for fiscal year 2016-2017 (Co-Investigator).

## C. Attended Conferences

1. **Fisheries Society of Bangladesh Biennial Conference 2019**. Organised by Faculty of Fisheries, Bangladesh Agricultural University, Mymensingh, Bangladesh. 27-28 December 2019. (Heavy metals accumulation in striped catfish *Pangasianodon hypophthalmus* (Sauvage, 1878) cultured in Mymensingh region of Bangladesh and human health risk assessment)
2. **8<sup>th</sup> Biennial Fisheries Conference and Research Fair 2019**. Organized by Bangladesh Fisheries Research Forum (BFRF), Bangladesh Agricultural Research Council (BARC), Dhaka, Bangladesh. 30-31 March 2019. (Continuous presence of AHPND positive *Vibrio parahaemolyticus* strains isolated from shrimps *Penaeus monodon* cultured in Bangladesh; Epidemiological study of White Spot Syndrome Virus (WSSV) disease in cultured shrimp of south-west region of Bangladesh; Pathogenic bacteria in shrimp PL nurseries of south-west region of Bangladesh; and Molecular identification and antibiogram of gut bacteria isolated from striped catfish, *Pangasianodon hypophthalmus* (sauvage, 1878) cultured in Bangladesh)
3. **21<sup>th</sup> National Conference and AGM of the Zoological Society of Bangladesh (ZSB)**, 7-8 December 2018. (Comparison of nutritional quality of Striped catfish, *Pangasianodon hypophthalmus* (Sauvage, 1878) cultured in Bangladesh and Vietnam)
4. **7<sup>th</sup> Biennial Fisheries Conference and Research Fair 2016**. Organized by Bangladesh Fisheries Research Forum (BFRF), Bangladesh Agricultural Research Council (BARC), Dhaka, Bangladesh. 29-30 October 2016. (Identification of pathogenic gut microbiota of rohu *Labeo rohita* and silver carp *Hypophthalmichthys molitrix* by 16S rRNA gene sequencing; and Fraudulence detection in fish marketing of Bangladesh using DNA barcoding)

## D. Life Member/Member

1. Bangladesh Fisheries Research Forum (BFRF)

2. Zoological Society of Bangladesh (ZSB)

#### **D. Professional Referees**

##### **1. Professor Dr M Imdadul Hoque**

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##### **2. Dr Mohammad Shamsur Rahman**

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