

PERSONAL INFORMATION

Md Rony Golder



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[LinkedIn: https://www.linkedin.com/in/ronygolder/](https://www.linkedin.com/in/ronygolder/)

[ResearchGate: https://www.researchgate.net/profile/Md_Golder](https://www.researchgate.net/profile/Md_Golder)

Gender Male | Date of birth 12 November 1996 | Nationality Bangladeshi

EDUCATION AND TRAINING

Duration	January 2019 – December 2020
Title of degree	Master of Science in Coastal and Marine Science
Name and type of organisation	Khulna University, Bangladesh
Result	CGPA-3.83 out of 4 with Distinction (Merit Position 1)
Principal subjects	Hydrodynamics, Coastal and Marine Environment, Chemical and Geological Oceanography, Biological Oceanography, Ocean Instrumentation and Technology, Marine Resource Exploitation, GIS and Remote Sensing.
Thesis Title	"Seasonal and annual distribution of Particulate organic carbon (POC) in the Bay of Bengal using satellite imagery" , Thesis Grade-A+ (A Plus)
Duration	December 2014 – December 2018
Title of degree	Bachelor of Science (Honors) in Fisheries
Name and type of organisation	Khulna University, Bangladesh
Result	CGPA-3.80 out of 4 with Distinction (Merit Position 2)
Principal subjects	Aquatic Ecology, Fish biology, ecology, Reproduction. Planktology, Biochemistry and Microbiology, Aquaculture, Physical & Chemical Oceanography, Fish Population Dynamics, Statistics and Biostatistics, Fish Genetics and Biotechnology, Fisheries Management and Conservation, Aquatic pollution, and toxicology.
Thesis Title	"Effects of different experimental diets and salinity on growth performance of <i>Penaeus monodon</i>" , Thesis Grade-A+ (A Plus)

International Training

Title of the training	Discovery and Use of Operational Ocean Data Products and Services
Duration	August 31- September 4, 2020
Name and Type of organization	International Training Centre for Operational Oceanography (ITCOcean), International ESSO-INCOIS, Hyderabad, India
Location	
Learning outcome	Understanding of operational oceanography, forecast methods, Oceanographic Data sources, Quality Control/Quality Assurance, monitoring systems and methods, Tools for visualizing the operational ocean data products (ODV)
Title of the training	Using the Copernicus Marine Data Stream for Ocean Applications - Online
Duration	25 May-19 June 2020
Name and Type of organization	European Organisation for the Exploitation of Meteorological Satellites, International

Learning outcome	Use of Copernicus Sentinel-3 and CMEMS data for marine applications, Application of SNAP, Remote Sensing Digital Teaching Tool, Git, Python (and Jupyter notebooks), atmospheric correction including the data validation assessment etc.
Title of the training	Ocean Colour Remote Sensing – Data, Processing and Applications
Duration	25 - 29 November 2019
Location	"Ocean Valley", Pragathi Nagar (BO), Nizampet (SO), Hyderabad, Telangana, India
Name and type of organisation	UNESCO - Intergovernmental Oceanographic Commission, International org.
Learning outcome	SeaDAS tool and plug-in for processing ocean colour data, different ocean colour algorithm, Generate and validate ocean colour remote sensing products, Basic understanding of ocean colour applications like PP, HABs etc.

WORK EXPERIENCE

Aug 2020 -Present

Research Assistant (Paid, Contractual)

Spatial distribution of Chlorophyll-a and POC and their relation with current and Oceanic Niño Index (ONI) in the Northern area of the Bay of Bengal using satellite data
Duties and Responsibilities:

- Satellite data visualization & analysis with SeaDAS, R (Programming Language)
- Ocean Current data collection and visualized with ArcGIS

July 2019- June 2020

Research Assistant (Paid, Contractual)

Seasonal and annual distribution of Particulate organic carbon (POC) in the Bay of Bengal using satellite imagery

Funded by: Khulna University Research Cell (KURC), Khulna, Bangladesh

Duties and Responsibilities:

- Satellite data collection, data visualization & analysis
- Ship-based sampling for in-situ data collection
- Making graphs with the specific region (RStudio)
- Data validation & geodata processing (Expert at ArcGIS, QGIS)

Sep-Oct 2018

Field Assistant (Paid, Contractual)

An aquaculture inventory to improve the sector's capacity to adapt to climate change impacts in the southern districts of Bangladesh

Funded by: Food and Agriculture Organization (FAO)

Duties and Responsibilities:

- Mapping of aquaculture hotspots near Khulna
- Verifying aquaculture site through direct observation

Nov 2017- Jan 2018

Field Assistant (Paid, Contractual)

Improving Food Security and Livelihoods for Poor farming Households Project

Funded by: WorldFish Bangladesh

Duties and Responsibilities:

- Characterizing different carp and prawn nursing practices,
- Assessing their adaptability to the changing environment/weather cycles
- Developing a business model for advanced nursing practice

Oct -Nov 2017

Research Assistant (Paid, Contractual)

Blue economy challenge project: Reduced use of fishmeal by replacing with marine bacterial biomass in shrimp feed at different salinities

Funded By: WorldFish Bangladesh

Duties and Responsibilities:

-Design Experiment, data collection, report writing, salinity adjustment, feeding

PERSONAL SKILLS

Mother tongue(s)

Bengali

Other Language(s)

English (Medium of instruction in BSc (4 Years) and MSc (1.5 years))

Communication skills

-Very good verbal and written communication skills in office environment, with external stakeholders and local rural people

-Experienced in 3 MT presentation competition, organized by Life Science School, Khulna University, Bangladesh

Organisational skills

-Excellent organisational and managerial skills.

-Acquired through the volunteer work at “FMRT SILVER JUBILEE- 2017” of Fisheries and Marine Resource Technology discipline on 31st March 2017 organized by Khulna University

Digital competence

-Proficient with Microsoft Office programmes (Microsoft word, excel, PowerPoint, Outlook), Internet Explorer

-Also competent with statistical software package (SPSS), R, Python, ArcGIS, QGIS, SeaDAS, SNAP, Ocean data View (ODV), and referencing software (Mendeley)

-Acquired by academic assignments, presentations and course works.

Other skills

-Competent with developmental and structural editing of scientific manuscripts.

-Acquired through editing publication manuscripts.

ADDITIONAL INFORMATION

PUBLICATIONS *Journal Papers In Review*

Br. J., **Golder, M.R.**, & Biswas P. Scenario of plastic pollution in coastal Rupsha river Bangladesh. Bengal. Marine Pollution Bulletin, Elsevier.

Rouf, M. A., **Golder, M.R.**, & Afroje Z. Satellite-based observation of particulate organic carbon in the northern Bay of Bengal. Regional Studies in Marine Science, Elsevier.

Shikder, S. S., Nowshin R., Bir, J., Sarmin, S. S., **Golder M. R.**, & Zobayer, M. A.F. pro-Phenoloxidase and superoxide dismutase based immunomodulatory effect of commercial probiotics on *Macrobrachium rosenbergii* cultured at different stocking densities. Fish and shellfish Immunology, Elsevier.

Shikder, S. S., Mistry, S.K., **Golder, M. R.**, Siddique, N. A., Bir, J., Ali, M. R., Sabbir, W., Gupta, N., & Huq. K.A. Impact of stocking density on growth and survival of mono-sex male giant freshwater prawn (*Macrobrachium rosenbergii*). Aquaculture Report, Elsevier

Journal Accepted

Golder, M. R., Shuva, M. S. H., Rouf, M.A., Uddin. M.M., Bristy. S.K., & Bir. J. Chlorophyll-a, SST and Particulate Organic Carbon in Response to Cyclone Amphan in the Bay of Bengal. Journal of Earth System Science, Springer. (Acceptance Date: 25 April 2021)

Journal Publications

- Golder, M. R., & Rouf, M. A.** (2021). Application of Ocean Color Remote Sensing for Managing the Bay of Bengal. *Bangladesh Maritime Journal*, 5(1), 25–38.
- Bir, J, **Golder, M. R.**, Biswas, S. K., Islam, S. S., Kumar, R., & Huq, K. A. (2020). Application of probiotics and prebiotics for promoting growth of Tiger shrimp (*Penaeus monodon*): an approach to eco-friendly shrimp aquaculture. *International Journal of Agricultural Research, Innovation and Technology*, 10(December), 15–20. <https://doi.org/10.3329/ijarit.v10i2.51571>
- Bir, Joyanta, Das, R., **Golder, M. R.**, Islam, S. S., Paul, P., E-mahfuj, S., Ghosh, A. K., & Huq, K. A. (2020). Growth performance and proximate composition of grey mullet *Liza parsia* at different salinities. *Bangladesh Journal of Fisheries*, 32(2), 287–297.
- Bir, Joyanta, **Golder, M. R.**, & Khalil, S. M. I. (2020). Adaptation in extreme underwater vent ecosystem : A case study on Pompeii worm (*Alvinella pompejana*). *International Journal of Fauna and Biological Studies*, 7(3), 25–32.
- Bir, Joyanta, **Golder, M. R.**, Zobayer, F. Al, Das, K. K., Zaman, S., Das, L. M., & Paul, P. C. (2020). A review on blue economy in Bangladesh : prospects and challenges. *International Journal of Agricultural Research, Innovation and Technology*, 7(4), 21–29. <https://doi.org/10.5281/zenodo.4270719>

Ocean Cruises

23-25 Jan 2017

Expedition of Swatch of No Ground in the Bay of Bengal (Indian Ocean) with BNS Surma (Ship Name), arranged by Bangladesh Navy & Khulna University

5 -7 Dec 2019

Expedition to explore the Bay of Bengal (Indian Ocean) with BNS Turag (Ship Name), arranged by Bangladesh Navy & Khulna University

Honour and award

Master grants fellowship from Ministry of Science and Technology of Bangladesh, 2020
Merit Scholarship in Undergraduate study from Life Science School, Khulna University.
 General Scholarship, Higher Secondary Certificate Examination-2014
 Talentpool Scholarship, Secondary School Certificate Examination-2012

Seminar / Conferences

4-7 May 2021

Climate Change: Challenges and issues for the earth Sciences-Earth observation and their uses (IPSL Virtual Spring School 2021)

Hosted by: Climate Graduate School of the Institute Pierre-Simon Laplace, Paris, France.

Nov 30- 5 Dec 2020

International Conference on the use of Environmental DNA (eDNA) in Marine Environments: Opportunities and Challenges- Online

Hosted by: The Partnership for Observation of the Global Ocean (POGO)

1-2 Aug 2019

2nd Coastal Water Convention 2019- Khulna University Central Auditorium, Khulna.

Hosted by Coastal belt protection agencies of Bangladesh.

Courses

Jan 25- 28 Feb 2021

The Blue Economy: Blue Resources-Online

Hosted by: University of Seychelles and Commonwealth of Learning

Aug 31-12 Oct 2020

The Blue Economy - Creating an Enabling Environment-Online

Hosted by: University of Seychelles and Commonwealth of Learning

Certifications

Year: 2015-2016

Title: Computer Literacy Certificate

Institute: Computer Science and Engineering Discipline, Khulna University

Year: 2019

Title: Ocean Color Remote Sensing – Data, Processing and Applications

Institute: UNESCO - Intergovernmental Oceanographic Commission

References**Referee: -1**

Muhammad Abdur Rouf, *PhD*

Professor & Head

Fisheries & Marine Resource

Technology Discipline

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Bangladesh

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Referee: -2

Joyanta Bir

Associate Professor

Fisheries and Marine Resource

Technology Discipline, Khulna University &

PhD fellow, CBET at Plentzia Marine Station (PiE -
UPV/EHU) in the University of Basque Country.

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Date: 24 May 2021

Signature:

