

Roksana Jahan, Ph.D.

Assistant Professor and Chairman, Department of Marine Fisheries and Oceanography, Faculty of Fisheries, Aquaculture and Marine Science, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh. Mobile: +88-01712436000. E-mail: roksana.mfog@sau.edu.bd
Website: <http://sau.edu.bd/teacher/331> ORCID: 0000-0002-7477-985X

Dr. Jahan has conducted research on the ecology of plankton in estuarine ecosystems in response to eutrophication and climate change. Her work includes the diversity, growth parameters, and reproductive biology of marine fisheries in the Bay of Bengal. She also tries to investigate marine debris in coastal areas of Bangladesh.

PROFESSIONAL EXPERIENCES

Assistant Professor Department of Marine Fisheries and Oceanography Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh	12.2018 - ongoing
Chairman Department of Marine Fisheries and Oceanography Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh	01.10.2019 – 12.05.2025
Post-Doctoral Research Fellow College of Marine Science, Sun Yat-sen University, Guangzhou, China	01.2016 - 12.2017
Post-Doctoral Research Fellow Fisheries Science and Technology Centre, Department of Marine Bio-materials and Aquaculture, Pukyong National University, Busan, Korea.	09.2013 - 08.2014
Post-Doctoral Research Fellow Department of Oceanography, Inha University, Incheon Korea.	03.2013 - 08.2013
Teaching Assistant Department of Oceanography, Inha University, Incheon Korea.	2010-2012

EDUCATION

Ph.D. in Marine Science and Biological Engineering Inha University, Incheon Korea. February 22, 2013, A Grade, GPA: 4.23 (4.5 basis)	2007-2013
M.S. in Fisheries Management Bangladesh Agricultural University, Mymensingh, Bangladesh. A Grade, GPA: 3.922 (4 basis)	2005-2007
B.Sc. in Fisheries (Hons.) Bangladeshi Agricultural University, Mymensingh, Bangladesh, 1 st Class (69.29%)	2000-2004

RESEARCH EXPERIENCES

No. of MS student: 03	No. of research project: 11	Thesis: 02	H index: 5
No. of Undergraduate students (Project work): 15		Book chapter: 04	Citation: 130
		Journal articles: 16	
		Conference: 23	

COURSE TAUGHT

	<u>Undergraduate</u>
Level-2, Semester- II	Marine, Estuarine and Coastal Ecology (Theory) MFOG 251
	Marine, Estuarine and Coastal Ecology (Practical) MFOG 251
Level-3, Semester- II	Biological and Chemical Oceanography (Theory) MFOG 351
	Biological and Chemical Oceanography (Practical) MFOG 351
Level-4, Semester-I	Marine Environment and Pollution (Theory) MFOG 401
Level-4, Semester-II	Marine Fisheries Management (Theory) MFOG 451
Level-4, Semester-II	Research Methodology and Project Work (Practical) MFOG 452
	<u>Post-graduate (MS)</u>
Level-1, Semester-II	Aquatic Toxicology Department of Aquaculture, Sher-e-Bangla Agricultural University, Bangladesh
Level-1, Semester-II	Advance Biological Oceanography MFOG 504
Level-1, Semester-II	Ecotoxicology and Environmental Risk Assessment

RESEARCH PROJECTS

Year	Funding Authorities	Title	Role	Amount (BDT)
2025-2026	Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla Agricultural University, Dhaka	Macrobenthic communities and its relationship with sediment and water quality parameters along the coast of Cox's Bazar, Bangladesh	Principal Investigator	1,50,000
2025-2026 (on-going)	Ministry of Science and Technology, (MoST), Bangladesh	Assessment of population parameters and reproductive biology of Long Anchovy (<i>Thryssa dussumieri</i> Valenciennes, 1848) in the southeastern coastal region of Bangladesh for sustainable fisheries management	Principal Investigator	3,25,000
2024-2025	Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla Agricultural University, Dhaka	Life history traits of goldspotted grenadier anchovy (<i>Coilia dussumieri</i> Valenciennes, 1848) in the southeastern areas of the Bay of Bengal Bangladesh: recommendation for its sustainable management	Principal Investigator	1,50,000
2023-2024	Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla Agricultural University, Dhaka	Isolation and culture of microalgae	Principal Investigator	1,50,000
2023-2024	Ministry of Science and Technology, (MoST), Bangladesh	Resilience of small-scale fisheries during marine banning period in the Cox's Bazar, Bangladesh	Principal Investigator	90,000
2022-2023	Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla	Determination of spawning season of cuttlefish in the Bay of Bengal, Bangladesh	Principal Investigator	1,50,000

2022-2023	Agricultural University, Dhaka Ministry of Science and Technology, (MoST), Bangladesh	Reproductive biology of squid, <i>Uroteuthis (Photololigo)</i> <i>duvaucelii</i> (Orbigny, 1835) (Cephalopoda: Loliginidae) in the Bay of Bengal, Bangladesh	Principal Investigator	88,000
2021-2022	Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla Agricultural University, Dhaka	Morphometric variation of six commercially important marine fishes in Bay of Bengal	Principal Investigator	1,00,000
2021-2022	Ministry of Science and Technology, (MoST), Bangladesh	Effect of environmental parameters and nutrients on seasonal succession of phytoplankton abundance and community structure in the Bakkhali River Estuary, Bay of Bengal	Principal Investigator	83,000
2020-2021	Sher-e-Bangla Agricultural University Research System (SAURES), Sher-e-Bangla Agricultural University, Dhaka	Spatial and seasonal variability of harmful algal blooms (HABs) in the Maheshkhali Channel	Principal Investigator	1,00,000
2020-2021	Ministry of Science and Technology, (MoST), Bangladesh	Determination of breeding season and spawning ground of commercial marine fish (<i>Stromateus argenteus</i>) of Bay of Bengal, Bangladesh	Principal Investigator	90,000
2020-2021	University Grants Commission (UGC), Bangladesh	Determination the spawning season of <i>Euthynnus affinis</i> (mackerel tuna) in the south- eastern coastal waters of the Bay of Bengal	Principal Investigator	3,00,000

SUPERVISION

Master of Science

2025

1. Md. Nasim Mahmud. Culture of microalgae. Department of Aquaculture, SAU, 2025.

Undergraduate

2025

1. Fahima Islam Oishy (Reg: 20-11050), Distribution and abundance of macrobenthos in the lower Meghna River Estuary in Bhola, Bangladesh, SAU, 2025.
2. Sums Al Fuad Pial (Reg: 20-11034), Availability of marine fishes in the lower Meghna River Estuary: A study on Bhola Island, Bangladesh, SAU, 2025.
3. Jannatul Ferdose (Reg: 20-11074), Identification and distribution of macrobenthos at the lower Meghna River Estuary, Bangladesh, SAU, 2025.
4. Masruk Ahmed Ratul (Reg: 20-11071), An extensive survey on the consumer preference of marine fish in Dhaka city, SAU, 2025.

5. Mst. Monira Akter (Reg: 20-11035), Long-term trends and sectoral contributions in marine fisheries production of Bangladesh (2001-2023): A focus on key commercial species, SAU, 2025.

2024

6. Habibur Rahman Sefat, Diversity of marine fishes in the central coastal region of Bangladesh: A case study on Hatiya and Nijhum Dwip. Department of Marine Fisheries and Oceanography, SAU, 2024.
7. Jannatul Ferdous Moon, Identification, seasonal abundance and diversity index of marine ciliates in Maheshkhali Channel, Cox's Bazar, Bangladesh. Department of Marine Fisheries and Oceanography, SAU, 2024.
8. Atiya Tabassum Bushra, Identification, seasonal abundance and diversity of marine phytoplankton in the Maheshkhali Channel, Cox's Bazar, Bangladesh. Department of Marine Fisheries and Oceanography, SAU, 2024.
9. Md. Obaidur Rahman, Spatial distribution and abundance of marine debris of Hatiya and Nijhum Dwip island from the northern part of the Bay of Bengal, Bangladesh. Department of Marine Fisheries and Oceanography, SAU, 2024.

2023

10. Md. Zahidul Islam, Morphometric variability of cuttlefish in the Bay of Bengal, Bangladesh. SAU, 2023.
11. Ferdousi Anjum Ayshi, Identification of marine zooplankton in the Maheshkhali Channel, Cox's Bazar, Bangladesh. Department of Marine Fisheries and Oceanography, SAU, 2023.
12. Ashiqur Rahman Mugdha, Length-weight relationship and morphometric studies of Indian squid (*Uroteuthis duvaucelii*) from the coast of Bangladesh. Department of Marine Fisheries and Oceanography, SAU, 2023.
13. Md. Fardin Khan, Availability of marine fishes and dry fishes of various fish markets in Dhaka. Department of Marine Fisheries and Oceanography, SAU, 2023.

2022

14. Sadia Afrin Kamal (Reg. No. 17-07677), Availability of marine fishes at the fish landing center, Cox's Bazar, Bangladesh. Department of Marine Fisheries and Oceanography, SAU, February 2022.
15. Nahida Sultana (Reg. No. 17-07676), Multivariate morphometric variability of rupchada fish (*Pampus argenteus*) in the Bay of Bengal, Bangladesh. Department of Marine Fisheries and Oceanography, SAU, February 2022.

PROFESSIONAL ACTIVITIES (SELECTED)

Role	Places
External Examiner & Thesis Evaluator	Post-graduate and Undergraduate courses on "Marine Biology", "Coastal and Marine Ecology" "Ichthyology and biodiversity" "Physical Oceanography" at Hobiganj Agricultural University, Gopalganj Science and Technology University, Sylhet Science and Technology University, Naokhali Science and Technology University, Sher-e-Bangla Agricultural University
Member of Syllabus Committee	Post-graduate courses at the Department of Marine Fisheries and Oceanography, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh Undergraduate courses at the Faculty of Fisheries and Marine Science, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

PROFESSIONAL AFFILIATIONS

- **Board of Governors (2022-2023):** National Oceanographic and Maritime Institute (NOAMI)
- **Editorial Board Member:** American Journal of Marine Science
- **Reviewer:** Current Microbiology, Marine Policy, Journal of Oceanography, Journal of Fisheries and Environment, Journal of Applied Aquaculture, Environmental Monitoring and Assessment, Indian Journal of Geo-Marine Science (IJMS), Ecology and Evolution
- Member:** Bangladesh Society for Safe Food, National Oceanographic and Maritime Institute (NOAMI), Bangladesh Fisheries Research Forum (BFRF), Krishibid Institute, Bangladesh (KIB), Korean Society of Oceanography

TRAINING

1. Training on "Enhancement of Quality Education and Research through Bioinformatics and Its Application in Agricultural Sciences" by Sher-e-Bangla Agricultural University, Dhaka, Bangladesh from Dec 18 to Dec 20, 2025
2. Training on "Experimental Data Analysis Using 'R' Software" for Faculty Member by Sher-e-Bangla Agricultural University, Dhaka, Bangladesh from Dec 10 to Dec 13, 2025
3. "BNQF Adoption in Higher Education, OBE Curriculum and Accreditation Process" conducted by Sher-e-Bangla Agricultural University, Dhaka, Bangladesh during April 28-30, 2025.
4. "Support to the Implementation of the Bangladesh Delta Plan 2100 (SIBDP-2100) Project," financed by Bangladesh Economics Division, Bangladesh Planning Commission, Bangladesh during May 12 – 13, 2024.
5. "Responsibilities of Teachers, Outcome Based Education and Different Rules & Responsibilities" conducted by Sher-e-Bangla Agricultural University, Dhaka, Bangladesh during January 16-17, 2019.
6. Joint AWI-SAHFOS Summer School on "The importance of time-series observations for the assessment of the biological and societal impacts of climate change" during September 22 – October 3, 2014 in Biologische Anstalt Helgoland, Germany.
7. International Summer Course on "Eutrophication (HAB) and Environmental Impact Assessment" during July 2-15, 2009 in Xiamen, China.
8. Extension field trip at Bhaluka Upazila of Mymensingh District supervised by the Department of Agricultural Extension Education, Bangladesh Agricultural University, Mymensingh in September 6-11, 2003.
9. Training in Fisheries and Aquaculture Research supervised by Bangladesh Fisheries Research Institute (BFRI) in April 19-23, 2003.
10. Aquaculture and Extension: "MAEP Experience" supervised by the Mymensingh Aquaculture Extension Project (Government of Bangladesh and Danish International Development Assistance) in April 12-16, 2003.
11. Aquaculture and Extension and Training Methodology supervised by the Northwest Fisheries Resources Development and Management Project (phase-iii), Parbatipur, Dinajpur, Bangladesh in April 6-9, 2003.

SCHOLARSHIP/ AWARD

- Travel award. 4th International Symposium on "The effects of climate change on the world's ocean", Washington DC, USA, June 2-8, 2018
- Best poster award, KOFFST International Conference, Busan, Korea, July 2, 2014
- Best poster award, WIMAS International Marine Algal Symposium, Wando, Korea, April 16-19, 2014
- Travel award. ASLO Aquatic Science Meeting. New Orleans, Louisiana, USA, February 17-22, 2013
- Jungseok International Scholarship, March 2007- December 2012
- National Science and Information Communication Technology (NSICT) Fellowship by Bangladesh government, 2005-2006

THESIS

1. Jahan, R. 2013. Long-term variability of phytoplankton phenology and community structure in the Gyeonggi Bay. PhD dissertation. Department of Oceanography, Inha University, Incheon, Korea
2. Jahan, R. 2006. Water quality and algal blooms in a eutrophic pond, Bangladesh. MS thesis. Bangladesh Agricultural University. 108p.

BOOK CHAPTERS

1. Ghosh, A., Khaw, Y.S., Tan, H.T. and Jahan, R.*. 2024. Unlocking high-value products from diatoms via biorefinery processes for a sustainable biocircular economy. <https://doi.org/10.1515/9783111353951-006>.
2. Hossain, J., Hossain, M.F. and Jahan, R.*. 2022. Anammox processes in marine environment: Deciphering the roles and applications. In: Shah, M.P., Rodriguez-Couto, S. (eds.) Development in Wastewater Treatment Research and Processes: Microbial Ecology, Diversity, and Functions of Ammonia-Oxidizing Bacteria. Elsevier, 297-318 pp. <https://doi.org/10.1016/C2021-0-00302-3>
3. Hossain, M.F., Hossain, J. and Jahan, R.*. 2022. Application of marine biofilms: and emerging thought to explore. In: Maddela, N.R., Abiodun, M.A.S. (eds.) Microbial Biofilms: Applications and Control. CRC Press. Taylor and Francis Group.
4. Hossain, J. and Jahan, R.*. 2021. Biofuel: Marine biotechnology securing alternative sources of renewable energy. In: Maddela, N.R., Garcia Cruzatty, L.C., Chakraborty, S. (eds.) Advances in the Domain of Environmental Biotechnology. Environmental and Microbial Biotechnology. Springer, Singapore, pp 161-194.

JOURNALS

2025

1. Hossain, M.F., Chakraborty, K., Chowdhury, G., Bhuyain, S., Hossain, A., Ritu, M.M.K, and Jahan, R. 2025. Assessing aquatic plant diversity and management potential in wetlands in northwestern and southeastern Bangladesh. *Environment and Natural Resources Journal*, 23.
2. Hossain, M.F., Ghosh, A., Hossain, J., Tasnim, N. and Jahan, R.*. 2025. Population parameters of the stinging catfish, *Heteropneustes fossilis* in a semi-enclosed wetland ecosystem: An insight from the Arial Beel, Bangladesh. *Egyptian Journal of Aquatic Biology & Fisheries*, 29(3): 1175-1198.
3. Jahan, R.*, Mahmud, M.N., Sefat, H.R., Hossain, M.F., Hossain, J. and Barman, A.C. 2025. Diversity and community structure of marine fishes in the lower Meghna River estuary, Bangladesh: A case study in Hatiya and Nijhum Dwip. *Egyptian Journal of Aquatic Biology & Fisheries*, 29(3): 1199-1216.
4. Jahan, R.* and Mahmud M.N. 2025. Length-weight relationship, condition factors and reproductive biology of the spineless cuttlefish *Sepiella inermis* (Ferussac & d'Orbigny, 1848) in the southeastern regions of the Bay of Bengal, Bangladesh. *Heliyon*.

2024

5. Jahan, R.*, Chad, M.N.A., Hossain, J. and Kamal, S.A. 2024. The Marketing Margin and Profit Structure of Nine Commercially Important Marine Fish Species in the Southeast Coastal Areas of Bangladesh. *Journal of Agribusiness and Rural Development*, 74(4), 389-401. <http://dx.doi.org/10.17306/J.JARD.2024.00001>
6. Mahmud, M.N., Rahman, M.O. and Jahan, R.*. 2024. Abundance and distribution of anthropogenic marine litter in Hatiya and Nijhum Dwip Island, Bangladesh. *Journal of Marine Studies*, 1(3): 1-11. <https://doi.org/10.29103/joms.v1i3.19198>
7. Ayshi, F.A., Mugdha, A.R. and Jahan, R.*. 2024. Identification of marine zooplankton in Maheshkhali Channel, Cox's Bazar, Bangladesh. *Asian Journal of Fisheries and Aquatic Research*, 26(3), 12-22.

2023

8. Kamal, S.A., Khanam, A., Hossain, J., Ferdous, A. and **Jahan, R.***. 2023. Socio-economic conditions of dry fishers and wholesalers: A case study of the coastal dry fishing communities of Bangladesh. *Asian Journal of Fisheries and Aquatic Research*, 25(4), 149-158.

2022

9. Nadia, Z.M., Roy, P., Hossain, J., Hossain, M.F. and **Jahan, R.***. 2022. Fish availability and market channel in Rajbari, Bangladesh: a case study in sadar sub-district markets. *Heliyon*.
10. Kamal, S.A., Chad, M.N.A., Hossain, J., Ferdous, A. and **Jahan, R.***. 2022. Availability of marine fishes in Cox's Bazar, Bangladesh: a case study on BFDC landing center. *Croatian Journal of Fisheries*.

2019

11. Khan, S., **Jahan, R.**, Ahmed, M.U., Rahman, M.A., Haque, M.M. and Alom, M.Z. 2019. Dynamics of a heterotrophic dinoflagellate, *Protoperidinium divergens*, in the south-eastern coastal waters of the Bay of Bengal. *Annual Research & Review in Biology*, 33(6): 1-9.
12. Khan, S., **Jahan, R.**, Rahman, M.A. and Haque, M.M. 2019. Eutrophication enhances phytoplankton abundance in the Maheshkhali channel, Bay of Bengal, Bangladesh. *Australian Journal of Science and Technology*, 3(3): 141-147.
13. Khan, S., **Jahan, R.**, Rahman, M.A., Nur, M.A.A. and Haque, M.M. 2019. Study of blue-green algae in rural fish ponds, Mymensingh, Bangladesh. *Australian Journal of Science and Technology*, 3(3): 134-140.

2010-2014

14. **Jahan, R.** and Choi, J.K. 2014. Climate regime shift and phytoplankton phenology in the macrotidal estuary: Long-term surveys in Gyeonggi Bay, Korea. *Estuaries and Coasts*, 37:1169-1187.
15. **Jahan, R.**, Choi, H.C., Park, Y.S., Park, Y.C., Seo, J.H. and Choi, J.K. 2013. Implementation of Self-Organizing Maps (SOM) to analyses of environmental parameters and phytoplankton biomass in a macrotidal estuary and artificial lake. *Journal of the Marine Biological Association of the United Kingdom*, 93(1): 1-12.
16. **Jahan, R.**, Khan, S., Haque, M.M. and Choi, J.K. 2010. Study of harmful algal blooms in a eutrophic pond, Bangladesh. *Environmental Monitoring and Assessment*, 170:7-21.

ABSTRACT IN CONFERENCE PROCEEDINGS

Oral Presentations

1. Jahan, R.* and Mahmud M.N. 2025. Length-weight relationship, condition factors and reproductive biology of the spineless cuttlefish *Sepiella inermis* (Ferussac & d'Orbigny, 1848) in the southeastern regions of the Bay of Bengal, Bangladesh. 1st International Scientific Conference on Sustainable Aquaculture and Fisheries, 29-30 April, 2025, CVASU, Chattogram, Bangladesh.
2. **Jahan, R.***. 2022. Abundances of phytoplankton in the south-eastern coastal area of Bangladesh: an emerging scope for blue economy in Bangladesh. *Oral presentation at International Symposium on Marine Resource Management, organized by Shahjalal University of Science and Technology, Sylhet, Bangladesh*.
3. Ghosh, A., Hossain, J., Hossain, M.F., Ferdous, A., **Jahan, R.***. 2022. Length-weight and length-length relationships and condition factors of *Xenentodon cancila*, *Anabas testudineus* and *Heteropneustes fossilis* in Arial Beel, Bangladesh. *Oral presentation at 9th Biennial Fisheries Conference & Research Fair 2022, held in Dhaka, Bangladesh*.

4. Jahan, R. Climate regime shift, eutrophication and phytoplankton community structure in the Gyeonggi Bay. *Oral presentation at Exchange Workshop in Busan, Korea, April 1-5, 2014.*
5. Jahan, R. and Choi, J. K. Phytoplankton community reorganization in the macrotidal Gyeonggi Bay following ocean climate regime shift. *Oral presentation at ASLO 2013 Aquatic Science Meeting, New Orleans, Louisiana, February 17-22, 2013.*
6. Jahan, R. and Choi, J.K. Climate change and estuarine phytoplankton: Gyeonggi Bay (GB) long term surveys. *Oral presentation at 15th International Conference on Harmful Algae, Changwon Korea, October 29- November 2, 2012.*
7. Jahan, R. and Choi, J.K. Estuarine phytoplankton responses to climate change: Gyeonggi Bay long-term surveys. *Oral presentation at 2nd International Symposium on "Effects of climate change on the world's oceans", Yeosu Korea, May 15-19, 2012.*

Poster Presentations

8. Mahmud M.N., Sefat, H.R. and Jahan, R*. 2025. Diversity and community structure of marine fishes in the lower Meghna River estuary, Bangladesh: A case study on Hatiya and Nijhum Dwip. *Poster Presentation at the 1st International Scientific Conference on Sustainable Aquaculture and Fisheries, 29-30 April, 2025, CVASU, Chattogram, Bangladesh.*
9. Rahman, M.O., Mahmud, M.N., Sefat, H.R. and Jahan, R*. 2024. Spatial distribution and abundance of marine debris on Hatiya and Nijhumdwip Island from the northern part of the Bay of Bengal, Bangladesh. *Poster Presentation at the 6th National Scientific Conference on Food Safety and Health, 2nd March 2024, IUBAT, Dhaka, Bangladesh.*
10. Ayshi, F.A., Mugdha, A.R. and Jahan, R*. 2024. Identification of marine zooplankton in the Maheshkhali Channel, Cox's Bazar, Bangladesh. *Poster Presentation at the "Sustainable Ocean Economy: Advancing Bangladesh's Blue Growth", 29th April 2024, BSMRMU, Dhaka, Bangladesh.*
11. Mahmud, N., Hossain, J. and Jahan, R*. 2022. Multivariate morphometric variability in Mackerel tuna, *Euthynnus affinis*, from the Bay of Bengal coast, Bangladesh. *Poster Presentation at Fisheries Society of Bangladesh (FSB) – Young Fisheries Scientists Conference, 11 March, 2023, SAU, Dhaka, Bangladesh.*
12. Chad, M.N.A., Ferdous, A., Jahan, R., Hossain, J. 2022. Marketing channel and value chain analysis of ten commercially important marine fishes in Bangladesh. *Poster presentation at 9th Biennial Fisheries Conference & Research Fair 2022, held in Dhaka, Bangladesh.*
13. Sultana, N., Hossain, J., Ferdous, A. and Jahan, R*. 2022. Multivariate morphometric Variability of Pampus argenteus in the Bay of Bengal, Bangladesh. *Poster presentation at 9th Biennial Fisheries Conference & Research Fair 2022, held in Dhaka, Bangladesh.*
14. Kamal, S.A., Chad, M.N.A., Hossain, J., Ferdous, A. and Jahan, R*. 2022. Availability of marine fishes at the fish Landing Center, Cox's Bazar, Bangladesh. *Poster presentation at 9th Biennial Fisheries Conference & Research Fair 2022, held in Dhaka, Bangladesh.*
15. Jahan, R., Song, T. and Choi, J.K. Shifting pattern of phytoplankton species response to climate change and eutrophication in Gyeonggi Bay. *Poster presentation at 4th International Symposium on "The effects of climate change on the world's ocean", Washington DC, USA, June 2-8, 2018.*
16. Jahan, R., Ullah, M.S. and Choi, J.K. Temperature influences pennate diatom and dinoflagellates in Gyeonggi Bay. *Poster presentation at 4th International Symposium on "The effects of climate change on the world's ocean", Washington DC, USA, June 2-8, 2018.*
17. Jahan, R., and Kim, C.H. The recurrent and localized blooms of harmful dinoflagellate *Cochlodinium polykrikoides* in the southeast coastal waters of Korea. *Poster presentation at 16th International Conference on Harmful Algae, Wellington, New Zealand, October 27- 31, 2014.*

18. Jahan, R., Hyo, S.J., Jung, K.M. and Kim, C.H. The recurrent and localized blooms of harmful dinoflagellate *Cochlodinium polykrikoides* in the southeast waters of Korea. *Poster presentation at KOFFST International Conference “The Application of Global Advanced Science and Technology of Fisheries. July 2, 2014.*
19. Jahan, R., Hyo, S.J., Jung, K.M. and Kim, C.H. Resting cyst and life cycles of *Cochlodinium polykrikoides* in Korean Coastal waters. *Poster presentation at KOFFST International Conference “The Application of Global Advanced Science and Technology of Fisheries. July 2, 2014.*
20. Jahan, R. and Kim, C.H. Blooming mechanism of harmful Dinoflagellate *Cochlodinium polykrikoides* in the southeast coastal waters of Korea. *Poster presentation at Wando International Marine Algal Symposium, April 16-19, 2014.*
21. Jahan, R. and Choi, J.K. Interdecadal variations in phytoplankton communities associated with rapid regional climate change in the Gyeonggi Bay. *Poster presentation at 2nd International Symposium on “Effects of climate change on the world’s oceans”, Yeosu Korea, May 15-19, 2012.*
22. Jahan, R. and Choi, J.K. Implementation of Self-Organizing Maps (SOM) to analyses of environmental parameters and phytoplankton biomass in a macrotidal estuary and artificial lake. *Poster presentation at 2nd International Symposium on “Effects of climate change on the world’s oceans”, Yeosu Korea, May 15-19, 2012.*
23. Choi, J.K., Lee, Y and Jahan, R. Phytoplankton blooms in Gyeonggi Bay, the Yellow Sea. *Presented in EASTHAB 6th, Department of Aquatic Bioscience, University of Tokyo, Japan, November 21-22, 2009.*

*denotes as ‘Corresponding Authors’

REFERENCES

- Professor Dr. Joong Ki Choi, Department of Oceanography, College of Biological & Ocean Science, Inha University, 253, Yonghyun-Dong, Nam-gu, Incheon 420-751, Republic of Korea, PhD Supervisor, E-mail: jkchoi@inha.ac.kr
- Professor Dr. Saleha Khan, Department of Fisheries Management, Bangladesh Agriculture University, Mymensingh-2202, Bangladesh, MS Supervisor, Email: salehakistan@bau.edu.bd or khansaleha64@gmail.com

I hereby declare that the above statements are correct and complete to the best of my knowledge.

(Roksana Jahan)