

Hasna Akther
329 Irving St. San Francisco 94122 CA. +4531842297. hakther@sfsu.edu.
<https://www.linkedin.com/in/hasna-akther/>

• **Education:**

Master of Science (M.Sc.) in Interdisciplinary Marine and Estuarine Sciences (IMES) at San Francisco State University (SFSU) - San Francisco, CA, and major in Biological Oceanography. Dissertation title: "The morphology and phylogenomic analysis of Tunicate species under changing climate". Advisor: Dr. Sarah Cohen. Expected 2026

Master of Science (M.Sc.) in Fisheries and Aquaculture management and Economics at University of Tromsø (UiT), Norway & Nha Trang University (NTU), Vietnam, and major in Economics. Dissertation title: "The relationships between destination image and destination personality and tourists' future behavioral intention: An exploratory study". Advisor: Dr. Kåre Skallerud. June 2011

Master of Science (M.S.) in Oceanography at Institute of Marine Sciences and Fisheries (IMSF), University of Chittagong (CU), Bangladesh, and major in Oceanography. Dissertation title: "Fisheries diversity and environmental management of Mangrove forest". Advisor: Dr. Abu Hena M. Kamal. October 2008

Bachelor of Science (B.Sc.) in Marine Sciences at Institute of Marine Sciences and Fisheries (IMSF), University of Chittagong (CU), Bangladesh, and major in Marine Sciences. Dissertation Title: "Composition of Cephalopod in the Moheshkhali Channel, Cox's Bazar". Advisor: Dr. Abu Hena M. Kamal. November 2006

• **Skills:**

Basic: MATLAB, Octave by attending undergraduate course: "Ice and Climate" at Niels Bohr Institute, University of Copenhagen. Data analysis in my dissertation will be taken under those software methods. January 2017 – October 2022

Intermediate: Corel draw graphic design, Adobe photoshop by joining work as a Scientific Assistant at the Natural History Museum of Denmark, University of Copenhagen. Deployed drawing skills in morphology of Tunicate species for the dissertation. 2013-2014

Advanced: Microscopic analysis, data collection, field works - sampling phytoplankton, zooplankton, soil and water analysis. The skills were developed at the Institute of Marine Sciences and Fisheries, University of Chittagong, Bangladesh. 2008

Advanced: Scientific writings for publications, poster presentations, as well as writing for fundings, such as: "Augustinus and Orient's fons" in Denmark with the collaboration of Dr. Bettina Meyer (Alfred Wegner Institute, Germany) and Dr. Jaap van der Meer (Vrije Universiteit, Amsterdam). 2016

• **Work/Volunteer (Relevant) Experience:**

CEO at Right Worker ApS, Automatikevej 1, Denmark. CVR no. 40070680. Staffing skills Services. January 2020-202x

- I met with different clients (e.g. directors of hotels and restaurants) for business collaboration, as well as reviewed the company's tax report, book-keeping, and interviewed staffs. My initiative oriented skills assisted in allowing the company to succeed from 2020 until now. Up until 2021- at least- the company had good turnover. By acquiring abroad entrepreneurship experience, I am capable to taking initiative in a Marine Science based consultancy as a private entrepreneur in order to play a pivotal role in the green and energy sector in the world. I will be able to develop new knowledge regarding environmental issues; in particular, how to tackle the protection of our green planet from a current and future warming climate. The idea would be to sell my ecosystem-based innovation project to different consultancy companies. I would also promote widespread collaboration. I intend to continue publishing articles around my future research in order to further efforts related to the survival of the planet.

Volunteer at Center for Ice and Climate (CIC), Niels Bohr Institute, University of Copenhagen, Attended third year course 'Ice and Climate' under the guidance of Dr. Dorte Dahl-Jensen. December 2017-2022

- Undergraduate course: physics, chemi and nanoscience, 7.5 ECTS grade known as "Ice and Climate". The course covered Icecaps and Glaciers in the climate system and consisted of a mixture of lectures, such as: simple climate models on trace gases, thermodynamics of ice, Milankovich Theory, simple flow models, continuum mechanics, and stable isotopes in ice cores. The exercises were solved by using the MATLAB. The programming language aided the plotting of a dissertation and publications.

Volunteer as a Guest-Scientist at the Center for Models of Life (CMOL), Niels Bohr Institute, University of Copenhagen which followed Dr. Kim Sneppen's course in 'Biological Networks.' November 2018- April 2019

- Experience applying experimental analysis in bacterial colony. The work involved model building in living systems, including gene regulation, epigenetics and microbial ecosystem behavior, which will assist in maintaining a gene lab for my potential research at SFSU.

Volunteer as a Guest-Scientist (Internship) Terrestrial Ecology Section, Department of Biology, University of Copenhagen, under the supervision of Dr. Kathrin Rousk. May-September 2018

- Working with the Terrestrial Ecology Research group taught me independently how to designing the experiments, as well as the handling of life plant material. For experimental analysis I used fluorescence microscopy for an abundance of cyanobacteria, and gas measurements (acetylene and ethylene) to analyze the pollution gradients. As a result of this work, an article was published in the Journal: Ecotoxicology. I learned how to write manuscript for the journal that will assist in my potential master's dissertation publication at SFSU.

Scientific Assistant at Natural History Museum of Denmark (SNM), Zoologisk Museum, University of Copenhagen, under the supervision of Dr. Jorgen Olesen. October 2013-2015

- I learned how to use Scanning Electron Microscopy (SEM) to describe the naupliar and metanaupliar phases of *Thysanoessa raschii*. Apart from using SEM analysis, some morphological aspects were examined and photographed by using compound and dissecting microscopes. This worked was resulted as a publication at PlosOne Journal. It was my first publication as a first author and the experience opened a new career in the scientific world – it was an incredibly exciting experience! It is why I am able to explore research in invertebrate ecology today at one of the leading research institutes e.g. Estuarine & Ocean Science Center (EOS) in the USA by attending this Master's education at SFSU.

Research Assistant at Technical University of Denmark (DTU-Aqua), under the supervision of Dr. Torkel Gissel Nielsen. September 2012-2013

- I have been associated with research group in Arctic pelagic biology since September, 2012. My work was two folded: 1) sorting and identifying fish larvae from Godthåbsfjorden in the South Western Greenland, 2) sorting and identifying krill and krill larvae from Godthåbsfjorden. In connection with the krill project, I participated in a training workshop at the Marine Research Institute (HAFRO) in Iceland. I gained knowledge concerning different developmental larval stages of North Atlantic krill spp. This work provided a publication in the Journal: Marine Ecological Progress Series, as a co-author.

○ Publications:

Akther, H. and Rousk, K. (2019), "High heavy metal load does not inhibit nitrogen fixation in moss-cyanobacteria associations.", Ecotoxicology, pp.1-8. DOI:10.1007/s10646-019-02127-w.

Akther, H., Agersted, M.D. and Olesen, J. (2015), "Naupliar and Metanaupliar Development of *Thysanoessa raschii* (Malacostraca, Euphausiacea) from Godthåbsfjord, Greenland, with a Reinstatement of the Ancestral Status of the Free-living Nauplius in Malacostracan Evolution.", PLOSOne, 10:12, 1–29. DOI:10.1371/journal.pone.0141955.

Tegllus, F.W., Agersted, M.D., **Akther, H.** and Nielsen, T.G. (2015), "Distribution and succession of euphausiids larvae in the sub-Arctic Godthåbsfjord, SW Greenland." Marine Ecology Progress Series, 539:111-125. doi: 10.3354/meps11486.

Kamal, A. H. M. and **Akther, H.** (2008), "Composition of Cephalopod (Squid) in the Moheshkhali Channel, Cox's Bazar.", The Journal of NOAMI, 25:1, 77–80.

○ Presentations:

Naupliar and metanaupliar development of *Thysanoessa raschii* (Malacostraca, Euphausiacea) from Godthåbsfjord, Greenland. **Akther, H.** and Olesen, J. in Frankfurt: 8th International Crustacean Conference, (Poster). August 2014

○ Honors and Awards:

Fulbright NOMA-Fame Scholarship granted from Tromsø University, Norway during the Master's study in Vietnam. 2009- 2011

National Science, Information and Communication Fellowship (NSICT) granted from Environmental ministry Bangladesh for the M.S. thesis. 2008

University of Chittagong Grant during undergraduate (B.Sc.) study in Bangladesh. 2001-2006

○ Community Involvement:

Volunteer work as a communication assistant with international people in Copenhagen at the Kultur Østerbro library, organized by the municipality of Copenhagen. The responsibilities included organizing a meet up group. In the meeting I introduced Danish cultures, and getting-to-know the country's systems, and provided keys info regarding Danish society. August 2016-2022

Volunteer at Greenpeace Nordic in Copenhagen, Denmark. This included opportunities to participate a creative event, specifically relative to climate change issues proposed to the Danish parliament. August 2016 - March 2018