

AISHA AHMED SEIF AL-NASER

Zoologist & Assistant Lecturer in Biomedical Engineering

Contact Information

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- **Nationality:** Libyan

PROFESSIONAL SUMMARY

A highly dedicated, research-driven Academic, Zoologist, and permanent Faculty Member serving as an Assistant Lecturer in the Department of Biomedical Engineering at the University of Tripoli. Demonstrates an extensive background and a profound research acumen in organismal biology and marine ecology, with a specialized focus on fish parasitology, micro-parasitic diversity, and host-parasite dynamics within Mediterranean marine ecosystems. Proven expertise spanning over several years in delivering high-caliber undergraduate lectures, designing comprehensive scientific curricula, examining cohorts, and evaluating core anatomical, physiological, and biological modules tailored for preliminary medical and medical engineering disciplines. Beyond academia, actively contributes to national strategic policymaking as a key committee member shaping coastal preservation frameworks and the Blue Economy development in Libya. Recognized as an accomplished researcher, scientific editor, and collaborative consultant working alongside international environmental networks, non-governmental organizations, and regional conservation agencies to drive sustainable ecological management, advocate for biodiversity, and bridge the gap between biomedical advancements and environmental health.

EDUCATION

- **Master of Science (M.Sc.) in Zoology** University of Tripoli, Tripoli, Libya | 2017 – 2021
- **Bachelor of Science (B.Sc.) in Zoology** Sebha University, Sebha, Libya | 2009 – 2013

PROFESSIONAL EXPERIENCE

- **Faculty Member (Assistant Lecturer)** Department of Biomedical Engineering, University of Tripoli, Libya | August 2025 – Present
 - Teaching core biological, anatomy, physiology, and foundation courses tailored for biomedical engineering cohorts.
 - Developing academic coursework, examining undergraduate students, and evaluating departmental curricula.
- **Research Assistant** Faculty of Science, Zoology Department, University of Tripoli, Libya | July 2025
 - Conducted laboratory-based operations, specialized biological sampling, and supported departmental research projects.
- **Administrative Officer** Graduate Studies Administration, University of Tripoli, Libya | 2020 – 2025
 - Managed postgraduate academic files, coordinated student evaluation records, and streamlined administrative workflows.
- **Co-Lecturer / Teaching Assistant (Collaborator)** Medical Preliminary Stage, University of Tripoli, Libya | 2021 – 2023
 - Taught foundational biological science modules to preparatory medical cohorts.

STRATEGIC COMMITTEES & CONFERENCES

- **Organizing & Preparatory Committee Member** | 1st International Conference on Biomedical Engineering Sciences and Technologies (BEST), Tripoli, Libya (2025 – 2026)

- Actively involved in the scientific preparation, abstract reviewing, academic coordination, and logistics management of the premier international biomedical engineering conference in Libya.
- **National Committee Member** | Libyan National Committee for the Blue Economy (2025 – 2026)
 - Appointed to draft, establish, and review Libya’s National Blue Economy Strategic Framework; a collaborative national initiative backed by the Ministry of Planning and the Ministry of Environment.
- **Organizing Committee Member** | Mediterranean Regional Conference on Coastal and Marine Biodiversity in Libya (2024 – 2025)
- **Guest Speaker** | Libya Clean Exhibition for Environment and Waste Management (2022 – 2023)
 - Delivered a keynote presentation at the Tripoli International Fair titled: "Microplastic leakage into our lives and its impact on living organisms including humans".
- **Presenter** | The 3rd Conference on Ecology: "A Safe Sustainable Environment" (2022 – 2023)
 - Presented an original peer-reviewed research paper at Misrata, Libya; sponsored by the Libyan Iron and Steel Company (LISCO).
- **Scientific Committee Member** | UNESCO International Committee for Seas and Oceans (2021 – 2022)
 - Collaborated under the regional coordination of Dr. Abdul-Basit Hussein Ibrahim Al-Faqih (Omar Al-Mukhtar University) on marine biological metrics, aquaculture, and fisheries conservation.

PUBLICATIONS & RESEARCH PAPERS

Books & Conference Proceedings

- **Co-Author & Editor**, *The Book of Abstracts and Scientific Papers for the 1st International Conference on Biomedical Engineering Sciences and Technologies (BEST)* | Tripoli, Libya (2025 – 2026).

Journal Articles

- **Metazoan ectoparasites of Sand Steenbras fish (*Lithognathus mormyrus*, Linnaeus, 1758) from the western coast of Libya.** *Open Veterinary Journal* | January 2024.

Conference Presentations

- **National Inventory and status of Chondrichthyes in the South Mediterranean Sea (Libyan Coast).** Conference Paper | September 2023.
- **Parasites of Alien fishes *Sphyaena flavicauda* (Ruppell, 1838) and *Sphyaena chrysotaenia* (Klunzinger, 1884) in the Western Coast of Libya.** Conference Paper | September 2022.
- **Parasites Fauna in Barracuda Fishes in the Western Coast of Libya.** Conference Paper | June 2022.
- **Parasite of *Gnathia* Sp. in Marine Fishes of the Western Coast of Libya.** Conference Paper | June 2022.

WORKSHOPS & SCIENTIFIC TRAINING

- **Scientific Video/Photography Analysis:** Foundations of scientific imaging utilizing IMAGEJ / FIJI software, presented by Dr. Bassam El-Gammoudi (University of Birmingham) | 2023 – 2024.
- **Ecological Awareness Lectures:** Designed and delivered awareness seminars on Nanoplastics at the Biotechnology Research Center, Tripoli | 2021 – 2022.
- **Marine Conservation Training:** Online Scientific Training (Sea Turtles) organized by the North African Sea Turtle Network (NASNet), supported by CEPF and WWF | 2021 – 2022.
- **Environmental Impact Workshop:** Training on "Environmental Aspect, Impacts and Signification", hosted by Injaz Company and Zoology Dept, University of Tripoli | 2020 – 2021.
- **Invasive Species Strategy:** Workshop for formulating the National Action Plan for Invasive Species in Libya, backed by SPA/RAC (Bab Al-Bahr, Tripoli) | 2020 – 2021.
- **Marine Policymaking:** Participated in refining Environmental Protection and Marine Laws No. 14 & 15, supported by the WWF | 2019 – 2020.

MEMBERSHIPS & CIVIL SOCIETY ENGAGEMENT

- **Executive Member**, Libyan Society of Friends of Artisanal Fishing (LSAFF)
 - Actively advocating for biodiversity preservation, sustainable artisanal fisheries management, and marine habitat conservation.
- **Field Researcher**, Artisanal Fisheries Sustainability Project in Farwa Island, funded by the Critical Ecosystem Partnership Fund (CEPF).

- **Project Volunteer**, International "Sea and Sun" Campaign for beach and seabed plastic cleanup operations in Tajoura.
- **Member**, Libyan Network for Monitoring Marine Biodiversity.
- **Community Educator:**
 - Held a public awareness lecture on World Blue Crab Day at the Ministry of Tourism, Tripoli.
 - Conducted environmental microplastic seminars at the Marine Biology Research Center, Tajoura, and biodiversity preservation workshops in Al-Garabulli in partnership with the Oxygen Association.

ACADEMIC CO-SUPERVISION

Assisted in supervising undergraduate graduation research theses at the Marine Science Division, Zoology Department, University of Tripoli (In collaboration with Prof. Dr. Ismail Al-Shagman):

- **Thesis Title:** Study on parasites of European Seabass (*Dicentrarchus labrax*) on the Western Libyan Coast – Student: Ebtihaj Sweisi.
- **Thesis Title:** Study on parasites of Black Scorpionfish (*Scorpaena scrofa*) on the Western Libyan Coast – Student: Sara Al-Qanin.

RESEARCH INTERESTS

- **Organismal Biology & Physiology:** Detailed classification, structural components, and physiological functions of living organisms.
- **Microbiology & Pathopathology:** Studying pathogenic diseases affecting organisms and humans, with an emphasis on using microbes as environmental bio-indicators.
- **Ecology & Environmental Sustainability:** Analyzing ecological threats, developing conservation strategies, and promoting interdisciplinary actions aligned with the World Environmental Sustainable Plan.

CORE SKILLS & PROFESSIONAL CERTIFICATIONS

- **Scientific Software & Tools:** ImageJ / Fiji (Advanced Scientific Imaging & Digital Microscopy Analysis).
- **Management & Administration:** Certified in "The Code of Management" by Master Center for Training and Advisory (Hay Al-Andalus).
- **Corporate & Academic Skills:** Advanced Report & Business Correspondence Writing, Digital Communication (MS Outlook).
- **Productivity Suites:** Certified Advanced Microsoft Excel & Microsoft Word (Human Resources Development Center, University of Tripoli).

LANGUAGES

- **Arabic:** Native / Mother Tongue.
- **English:** Very Good / Professional Working Proficiency.