



ADNAN MUJAHID
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PROFILE:

Goal directed result-oriented professional with a strong biological, teaching and research background. Self-motivated with high energy initiative and focus. Expert knowledge in biology science and well acquainted with the research techniques required for this field. Superior critical thinking abilities that help to consider the various perspectives while performing research

Educational Qualifications

- **PhD** in Marine Biology from University of Karachi is still pursuing.
- **Master's Degree** in Zoology
- **B.Sc** with Zoology, Botany and Chemistry Karachi University
- **HSC** with Biology, Chemistry and Physics from Pakistan Shipowner's college Karachi.
- **S.S.C** with Biology, Chemistry and Physics in 1987 from Ajnuam-e-Islamia School Karachi.

Experience:

- Lecturer in M.A.H. Qadri Biological Research Centre, University of Karachi (from 10th March 2018 to date).
- Working as a Research Officer in M.A.H.Qadri Biological Research Center, University of Karachi since 2013.

Responsibilities:

- ✓ Performing laboratory tests in order to produce reliable and precise data to support scientific investigations.
- ✓ Conduct research or assist in the conduct of research, including the collection of information and samples, such as blood, water, soil, plants and animals.
- ✓ Conduct standardizes biological, microbiological or biochemical tests and lab analyses.
- ✓ Examine animals and specimens to detect the presence of disease.

- ✓ Monitor laboratory work to ensure compliance with set standards.
- ✓ Facilitate students of different departments by handling laboratory instruments such as:
 - Freeze Dryer
 - Rotary Evaporator
 - Centrifuge (Labofuge)
 - Spectrophotometer
 - Thermal-cycler (PCR)
 - Micro-plate reader
 - Microtome
 - Microscopes
- ✓ Supervise other task related to the department such as demonstrating instrument to the students of other department such as Genetics, Botany and Zoology.
- ✓ Communicating with director, peers, or subordinates by email. In written form or in person.
- ✓ Developing designing and creating new applications, ideas, including artistic contribution for the Center.

Research Journal Experience:

Managing Editor of a research journal “International Journal of Biology Research” published from M.A.H.Qadri Biological Research Center.

Research Interest:

- Zoological Study of Invertebrate Species:
- Ichthyology (Study of Fish) Nano-biotechnology
- Stress Physiology in Plants
- Marine Microbiology and Biotechnology
- Environmental Physiology of Marine Organisms
- Conservation Biology
- Marine and Terrestrial Ecosystem Interactions
- Comparative Animal Physiology
- Ecology and Population Biology
- Entomology (Study of Insects)
- Parasitology

Research Publications:

- Movement Pattern Of Common Rock Clinger Limpet, *Cellana sp.* on The Rocky Shore Of Manora published in “International Journal of Biology Research (IJBR)”, Pakistan. Volume 1, No.2, Dec 2013

- Distribution, Abundance and population density of *Cellana sp.* And *Acmaea sp.* on the rocky coast of Buleji . Volume 1, No.2, Dec 2013
- Age and growth of *Johnius carutta* (Actinopterygi) commonly known as Ray-fin fishes by “Scale and Otolith method” (M.Sc final year research project)
- The occurrence of nematodes parasites in the gastrointestinal tract of ariidae (teleostei: siluriformes) catfish, *Arius arius* (Hamilton, 1822) from Karachi coast. (HEC recognize journal) Volume 34, No.2, July 2016. ISSN 0255-7576 (print), ISSN 2313-1942 (online)
- (*Journal of Biology and Life Science* (JBLS; ISSN 2157-6076) Macrothink Institute, United States.
- Analysis of microbial quality of air in Karachi University Campus, Karachi *Int. J. Biol. Res.*, 2 (1), 2014.
- Haematological, immunological changes, survival, growth rate, food consumption protein efficiency, and body composition of hybrid TILAPIA (*Oreochromis mossambicus* × *Oreochromis niloticus*): Effects of stocking density and protein levels in saline environment. *INT. J. BIOL. BIOTECH.*, 14 (4): 669-676, 2017
- *Liposcelis decolor* (PEARMAN, 1925), A psocid, collected from the drying fruits of *capsicum annum* L. *Int. J. Biol. Res.*, 9 (1 & 2): 15-24, 2021.
- Geo-biological indicators: a brief overview *Int. J. Biol. Res.*, 10 (2): 91-102, 2022
- Effects of temperature and humidity on the population dynamics of COTTON LEAFHOPPER *Amrasca devastans* (DISTANT) (HOMOPTERA: CICADILIDAE) *Int. J. Biol. Res.*, 11 (1-2): 101-109, 2023.
- Physiological and photochemical screening of Leguminous and Non-leguminous plants interacting with Nitrogen-fixing microbe *Pseudomonas fluorescens* (NAFP-19) modulating stress tolerance in a sub-optimal condition. *Journal of Plant Growth Regulation*
<https://doi.org/10.1007/s00344-024-11494-6>

Personal:

Marital Status: Married

Religion: Islam

Hobbies: Calligraphy, Art work, and reading books.