

SHAGUFTA RIAZ

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Google Scholar: <https://scholar.google.com/citations?user=wNrYIy0AAAAJ&hl=en>

ResearchGate: <https://www.researchgate.net/profile/Shagufta-Riaz-4>



EDUCATION:

Ph.D. Zoology (Marine Zoology) (2019) University of Karachi, Karachi, Pakistan.

Department of Zoology, University of Karachi.

M.Sc. Zoology (Marine Zoology) (2007) University of Karachi, Karachi, Pakistan.

Department of Zoology, University of Karachi.

B.Sc. (Hons) Zoology (2005) University of Karachi, Karachi, Pakistan.

Department of Zoology, University of Karachi.

WORK EXPERIENCE:

IPFP Fellow **Center of Excellence in Marine Biology, University of Karachi (2022-continue)**

- Currently my research work is on microplastics pollution in marine animals.
- Delivering lectures to M.Phil. students.
- Assisting Mentor in research work.
- Conducting labs for M.Phil. students.

Lecturer Zoology **Gulistan S.A.L Girls School & College** **(2019-2021)**

- Delivered lectures to higher secondary classes XI and XII.
- Conducted Zoology practical labs.
- Conducted workshops for teachers on use of technology for online classes.

Ph.D. Research Scholar **University of Karachi** **(2010-2019)**

Title of Ph.D. Thesis: “Some aspects of biology and fishery of *Acanthopagrus arabicus* (Iwatsuki, 2013) (Family: Sparidae) from Karachi Coast”.

- Estimated growth parameters (length-weight relationship, length frequency distribution & condition factor).
- Studied reproductive biology (morphological & histological observations of gonads, hermaphroditism, sex ratio, GSI, fecundity).
- Analysed seasonal variations in gut contents, feeding habits & GaSI)
- Worked at PCSIR Laboratories, Karachi for estimation of macro-nutrients with respect to human consumption.
- Detected heavy metals such as Hg to check possible toxicity level in the meat.
- Reviewed fishery data of sea breams from Karachi coast (import & export).

- Identification of specimen for tagging and preservation in the museum.
- Maintained the catalogue for museum of the department.
- Conducted taxonomy labs.

TRAINING WORKSHOPS/ SEMINARS/ CONFERENCES:

“Four-week online training under National Faculty Development Program”. 2021

Higher Education Commission, Islamabad, Pakistan

“One day training workshop on HEC Plagiarism policy & effective usage of turnitin service”. 2019

Pakistan Scientific & Technological Information Centre (PASTIC), Karachi.

“One day hands-on workshop on Polymerase Chain Reaction (PCR)”. 2019

Centralized Science Laboratories and Dean Faculty of Sciences, University of Karachi.

“In-Silico Primer Designing for PCR”. 2019

Centralized Science Laboratories and Institute of Sustainable Halophyte Utilization (ISHU), University of Karachi.

“1st National Science Conference”, 2017

GSCWU Bahawalpur.

“Aquaculture Management and Feeding Management.” 2016

Feeding Pakistan, supported by USDA, ASA, WISHH, FDB and The University of Arizona.
Marriott Hotel, Karachi.

“Training in HACCP in Seafood Industry.” 2009

Marine Fisheries Department, Government of Pakistan.

LANGUAGES/ COMPUTER SKILLS:

Fluent in **English** and Urdu.

Microsoft Office (Word, Excel, Power Point), Software (SPSS & Minitab)

REFERENCES:

Dr. Muhammad Atiqullah Khan
Department of Zoology,
University of Karachi

Dr. Syed Anser Rizvi
Department of Zoology,
University of Karachi.

LIST OF PUBLICATIONS

Dr. Shagufta Riaz

1. Karim, A., Shoaib, M., Khwaja, S., Nisar, S., **Riaz, S.**, Siddiqui, S., & Ansari, S. B. (2021). An estimation of optimum dietary concentration of soy bean meal for carps (*Catla catla*, *Labeo rohita* and *Cirrhinus mrigala*). *Brazilian Journal of Biology*, 84.
2. **Riaz, S.**, Khan, M. A., Shams, Z. I., Rizvi, S. A., Karim, A., & Alvi, S. K. (2021). Bioavailability of Ca, K, Mg and Na in Arabian yellow finned sea bream (*Acanthopagrus arabicus*) and estimated daily intake for human consumption. *Biological Sciences-PJSIR*, 64(3), 225-230.
<https://doi.org/10.52763/PJSIR.BIOL.SCI.64.3.2021.225.230>
3. Ahmad, F., Khan, M. A., Rizvi, S. A., & **Riaz, S.** (2019). Length weight relationship in *Rastrelliger kanagurta* (Cuvier, 1817) from Karachi coast, Pakistan. *INT. J. BIOL. BIOTECH.* 16 (3): 769-773.
<https://doi.org/10.6084/m9.figshare.14330720>
4. **Riaz, S.**, Khan, M. A., & Farooque, R. Y. (2017). Length Weight Relationship in *Acanthopagrus arabicus* (Iwatsuki, 2013) From Karachi Coast, Pakistan. *INT. J. BIOL. BIOTECH.*, 14 (2): 253-256.
<https://www.cabdirect.org/cabdirect/abstract/20173220118>
5. **Riaz, S.**, Khan, M. A., Ahmed, F., & Karim, A. (2017). Condition factor and seasonal variation in Length-weight relationship of *Acanthopagrus arabicus* from Karachi Coast, Pakistan. *Journal of Entomology and Zoology Studies*. 5(3): 448-454.
<https://www.entomoljournal.com/archives/2017/vol5issue3/PartG/5-2-175-492.pdf>
6. Khan, M. A., **Riaz, S.**, & Yousuf, K. (2015). Size distribution and Length weight relationship in commercially important fish *Sillago sihama* (Forsskal, 1775) (Family: Sillaginidae) from Karachi Coast, Pakistan. *International Journal of Biology Research*, 3(2): 111-115. <http://www.ijbr.net/journals/vol32/9.-Muhammad-Atiqullah-Khan-Shagufta-Riaz-and-Kiran-Yousuf.pdf>
7. Khan, M. A., Yousuf, K., & **Riaz, S.** (2014). Food and Feeding Habits of *Sillago sihama* (Forsskal, 1775) (Family: Sillaginidae) from Karachi Coast. *Intr. J. Fauna and Biological Studies*, (3), 27-31.
<https://www.faunajournal.com/archives/2014/vol1issue3/PartA/8.1-246.pdf>
8. Khan, M. A., Yousuf, K., & **Riaz, S.** (2013). Observations on sex ratio and fecundity of *Sillago sihama* (Forsskal, 1775) (Family; Sillaginidae) from Karachi Coast. *Journal of Entomology and Zoology Studies*, 1(6), 152-156.
<https://www.entomoljournal.com/vol1Issue6/34.1.html>

BOOK:

9. Khan, M. A., Yousuf, K & **Riaz, S.** (2014). Reproductive biology of lady fish (*Sillago sihama*) from Karachi coast. *Lambert Academic Publishing*. Germany.
<https://www.ceneo.pl/33435888>