

Umar Khan DURRANI

Web Page: <https://avesis.ktu.edu.tr/ukhan>

PERSONAL INFORMATION

Current Position : Assistant Professor at
Karadeniz Technical University, 2021
Past Position : Researcher at Firat University, 2020
Field of Specialization : Fisheries management
Date of Birth : April 1988
Marital Status: : Married, 2 Children



Area of interest

- Fisheries management
- Aquaculture
- Aging wheelk using statolith
- Delineate Fish stocks
- Fish otolith
- Fourier analysis
- Writing research manuscript/report

EDUCATION

2014 –2020	PhD.	Department of Fisheries Technology Engineering, Karadeniz Technical University, Trabzon, TURKEY Dissertation: Gastric evacuation of formulated feeds in brook trout
2011	M.Sc.	Department of Zoology, University of Peshawar, Khyber Pakhtunkhwa, PAKISTAN. Thesis: A Study of the Food and Feeding Biology of Catfishes of subfamily Schilbeinae
2009	B.Sc.	Department of Biological Sciences, Govt. Superior Science College, Peshawar, Pakistan. (Major in Botany, Chemistry and Zoology)

Computer skill

- Microsoft Office
- Endnote
- Sigma Plot
- R programming
- SAS
- TIBCO Statistica
- QGIS
- Adobe illustrator
- Basic Hardware
- Software Installation
- Troubleshooting

BOOKS

1. **Khan, U.**, Seyhan, K. (2022) Anchovies of the world. In Seyhan K. (ed) Anchovies: Ecological, Economic and Social Evaluation. Rize’li Bürokratlar, Yöneticiler ve İş İnsanları Derneği (In Press).

PUBLICATIONS, peer-reviewed (SCI, SCIE journals)

1. **Khan U.** (2022). Temperature, meal size, and body size effects on the gastric evacuation of rainbow trout: Modelling optimum and upper thermal limits. *Journal of Fish Biology*. doi: 10.1111/jfb.15049



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2. **Khan U.**, Seyhan K. (2021). Parameterizing an expanded square root model to account for the effects of temperature, meal size, and body size on gastric evacuation rate in farmed brown trout. *Aquaculture Research*, 52: 4849-4857.
3. Başusta N., **Khan U.** (2021). Sexual dimorphism in the otolith shape of shi drum, *Umbrina cirrosa* (L.), in the eastern Mediterranean Sea: Fish size–otolith size relationships. *Journal of Fish Biology*, 99: 164– 174.
4. **Khan U.** and Seyhan K. (2020). Gastric evacuation rates in farmed brook trout subjected to a range of feeding conditions fed commercial pellets. *Aquaculture*, 513, pp. 734390
5. Seyhan K., Başçınar N. S., Başçınar N., **Khan U.** (2020). Gastric Evacuation in Brook Trout (*Salvelinus fontinalis*) Fry: Effect of Body Size. *Pakistan Journal of Zoology*, 52 (3), 1173-1176.
6. Alkan N., Terzi Y., **Khan U.**, Bascinar N., Seyhan K. (2019). Evaluation of Seasonal Variations in Surface Water Quality of the Caglayan, Firtina and Ikizdere Rivers from Rize, Turkey. *Fresenius Environmental Bulletin*, 28 (12A), pp. 9679-9688.
7. Başçınar N. S., Başçınar N., **Khan U.**, Seyhan K. (2017). The effects of meal and body sizes on gastric evacuation rate in brook trout *Salvelinus fontinalis* fed commercial pellets: group-feeding. *Indian Journal of Fisheries*, 64(3), pp. 50-54.
8. **Khan U.**, Seyhan K., Başçınar N. Başçınar N. S. (2016). Satiation meal and the effects of meal and body sizes on gastric evacuation rate in brook trout *Salvelinus fontinalis* fed commercial pellets. *Journal of Fish Biology*, 89, pp.1227–1238.
9. Başçınar N., Başçınar N. S., Seyhan K. **Khan U.** (2016). The Effect of Temperature on the Rate of Gastric Evacuation in Brook Trout *Salvelinus fontinalis* Fed on Commercial Pellets: Group-Feeding. *Pakistan Journal of Zoology*, 48(6), pp. 1899-1904.
10. Önder M.Y., **Khan, U.** (2016). Effects of Mono-and Duoculture on the Survival and Growth Rate of Juvenile Abant Trout (*Salmo trutta abanticus*) and Brook Trout (*Salvelinus fontinalis*). *Pakistan Journal of Zoology*, 48(3), pp.895-898.
11. Önder M.Y., Başçınar N., **Khan U.**, Sonay F.D. (2016). Effect of Photoperiod on Growth and Efficiency of Yolk-Sac Utilization in Alevins of Brook Trout (*Salvelinus fontinalis*). *Pakistan Journal of Zoology*, 48(2), pp.533-537.
12. **Khan U.**, Hasan Z., Inayatullah M., Jan A. (2014). Feeding habits of a freshwater catfish,



Clupisoma naziri (Pisces: Schilbidae) from Khyber Pakhtunkhwa rivers, Pakistan. *Pakistan Journal of Zoology*, 46(4), 1166-1169.

13. **Khan U.**, Hasan Z., Inayatullah M., Jan A. (2013). Analysis of stomach contents of freshwater catfish, *Eutropiichthys vacha* (Hamilton, 1822) from Khyber Pakhtunkhwa Rivers, Pakistan. *Pakistan Journal of Zoology*, 45(4), 1153-1156.

Publications, (articles published in other journals)

14. **Khan U.**, Seyhan K. (2021). A preliminary study of the effects of cold, frozen, or room temperature storage of commercial feeds on growth performance and feed consumption of juvenile rainbow trout (*Oncorhynchus mykiss*). *Ege Journal of Fisheries and Aquatic Sciences*, 38 (4), 411-416.
15. Atasaral Ş., **Khan U.**, Terzi Y., Seyhan K. (2020). Mussel: a potential pollution indicator in the aquatic ecosystem and effect of climate change. *International Journal of Environment and Geoinformatics*, 7(3): 300-304.
16. **Khan U.** (2019). Effect of Salinity on Yolk Utilization and Growth of Brook Trout Alevins (*Salvelinus fontinalis*). *Journal of Anatolian Environmental and Animal Sciences*, 4 (2), 93-96.
17. Jan A., Hasan Z., **Khan U.** (2013). Protein sparing effect and the efficiency of different compositions of carbohydrates, lipids and protein on the growth of rohu (*Labeo rohita*) fingerlings. *World Journal of Fish Marine Science*, 5, 244-250.

Publications, under peer review

1. **Khan U.**, Bal H., Battal S.Z, Seyhan K. Using sagittal otoliths and body shape to discriminate between stocks of European anchovy *Engraulis encrasicolus* from the Aegean, Marmara, and Black Seas. *Fisheries Research*
2. Ateşşahin T., **Khan U.**, Eroğlu M., Düşükcen M. Morphological plasticity of invasive freshwater fish species, *Carassius gibelio* (Teleostei: Cyprinidae) in natural and artificial water bodies. *Journal of Fish Biology*
3. Bal H., **Khan U.**, Seyhan K. Gastric evacuation in European sea bass (*Dicentrarchus labrax* L. 1758) fed commercial pellets: effects of meal and body sizes. *Indian Journal of Fisheries*
4. Başusta N., BAT L., Seyhan K., **Khan U.** Modelling growth and population parameters of the invasive gastropod *Rapana venosa* (Muricidae) in the Eastern Black Sea using statoliths. *Fisheries Research*



5. Seyhan K., ŞAHİN A., **Khan U.**, Terzi Y. Discard analysis, damage and mortality of non-target species in a veined whelk *Rapana venosa* fishery.

PEER-REVIEWED CONFERENCE PAPER (Oral Presentation)

1. Seyhan K., Özseker K., **Khan U.**, Atasaral Ş. (2021). The Effect of Climate Change on the Fishing Ports in the Eastern Black Sea. 3rd International Environmental Chemistry (EnviroChem) Congress, Antalya, Turkey, 1 - 04 November 2021, pp.55
2. Seyhan K., Terzi Y., Atasaral Ş., **Khan U.** (2020). Is the Destiny of the 'Black Sea' Black?" International Scientific Conference "Modern Problems of Ecology" At: Tbilisi-Telavi, Georgia, 26-28 September 2020, pp. 89-91.
3. **Khan U.**, Terzi Y., Seyhan K. (2018). Growth metrics of juvenile rainbow trout as influenced by feed storage conditions (frozen or non-frozen). 8th International Conference "Water & Fish", Belgrad, SIRBISTAN, 13-15 June 2018, pp.163-163.
4. **Khan U.**, Seyhan K. (2017). Gastric Evacuation in Brook Trout (*Salvelinus Fontinalis*) Fed Multiple Meals", 8th International Advanced Technologies Symposium, Elazığ, Turkey, 19-22 October 2017, pp. 154-154.
5. **Khan U.**, Hasan Z., Inayatullah M. (2012). Analysis of Stomach Contents of Freshwater Catfish, *Eutropiichthys vacha* (Hamilton, 1822). 32nd Pakistan Congress of Zoology (International, Govt. College University, Lahore, Pakistan, 6-8 March, 2012, pp. 266-266.

PEER-REVIEWED CONFERENCE POSTER

1. Dokuzparmak Ü., Alkan N., **Khan U.** (2021). Screening Some Enzyme-inhibitory Activity in Ascidian (*Botryllus schlosseri*) from Trabzon, Turkey. 3rd International Environmental Chemistry (EnviroChem) Congress, Antalya, Turkey, 1 - 04 November 2021, pp.93
2. Seyhan K., ŞAHİN A., Terzi Y., **Khan U.** (2018). By-Catch in Rapana Whelk Fishery in the Black Sea. Fish Forum 2018: Forum on Fisheries Science in the Mediterranean and the Black Sea, 10-14 December 2018, FAO headquarters, Rome, Italy.



REVIEWER OF INTERNATIONAL SCIENTIFIC JOURNALS, 2017 – present

<u>Name of Journal</u>	<u>Indexing</u>
1. Royal Society Open Science	SCI
2. Journal of Applied Aquaculture	ESCI
3. Environmental Biology of Fishes	SCI
4. Turkish journal of fisheries and aquatic sciences	SCI-E
5. Aquatic Research	TR

PROJECTS “IN PROGRESS”

1. RESEARCHER
Horizon2020: Developing Optimal and Open Research Support for the Black Sea (DOORS). **June 2021 – May 2025**, grant number: 101000518.
2. RESEARCHER
BAP Project: Determination of the microplastic pollution levels in the water, sediment, and Biota in the coastal area of the Black Sea near to Değirmendere River. Higher Education Institutions of Turkey. **October 2021 – January 2023**, grant number: FBA-2021-9768.
3. **COST Action CA20102:** WORKING GROUP
Marine Animal Forest of the world (MAF-WORLD). **October 2021 – October 2025**
4. **COST Action CA19107:** WORKING GROUP
Unifying Approaches to Marine Connectivity for improved Resource Management for the Seas (SEA-UNICORN). **September 2020 – September 2024**

PROJECTS COMPLETED

5. RESEARCHER
Comparative Analysis of Growth Properties of Sea Snail (*Rapana venosa*) from the Central and Eastern Black Sea Region, (2019-2021), (**TÜBİTAK**; grant number: 119O652).
6. RESEARCH ASSISTANCE (BURSIYER)
Food consumption, gastric evacuation and modelling in larval, fingerling and brood brook trout, (*Salvelinus fontinalis* Mitchell, 1814) (2014-2016), (**TÜBİTAK**; grant number: 113O362).



HONORS & ACHIEVEMENTS

1. Award for SCI Publication by **TÜBİTAK** Incentive Program for International Scientific Publications (UBYT), 01/10/2021, **TÜBİTAK** -UBYT. NO: 480966
2. Award for SCI Publication by **TÜBİTAK** Incentive Program for International Scientific Publications (UBYT), 25/01/2020, **TÜBİTAK** -UBYT. NO: 430765
3. Award for SCI Publication by **TÜBİTAK** Incentive Program for International Scientific Publications (UBYT), 28/04/2017, **TÜBİTAK** -UBYT. NO: 359946
4. Award for SCIE Publication by **TÜBİTAK** Incentive Program for International Scientific Publications (UBYT), 20/03/2017, **TÜBİTAK** -UBYT. NO: 358229

LANGUAGE SKILLS

Language	Speaking	Writing	Reading
English	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
Turkish	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
Urdu/Hindi (India)	<i>Very good</i>	<i>Very good</i>	<i>Very good</i>
Persian	<i>Good</i>	<i>Fair</i>	<i>Fair</i>
Pashto	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>

