

AQUATIC ANIMAL REPORTS

Journal homepage: <https://scopesscience.com/index.php/aqar/>

Received: 27 August 2024; Available online: 30 August 2024

COMMENTARY

Citation: Ergün, S. & Yılmaz, S. (2024). Editorial Note. *Aquatic Animal Reports*, 2(2), 1-2. <https://doi.org/10.5281/zenodo.13490873>

EDITORIAL NOTE

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As we celebrate the completion of two years and four issues of our journal of Aquatic Animal reports (AQAR), we reflect on the remarkable journey we've embarked upon in the realm of aquatic animal research. Our mission has always been to advance the understanding and conservation of aquatic life, and over the past two years, we have made significant strides in this endeavor.

From the depths of the oceans to the freshwater ecosystems, our contributors have brought to light groundbreaking research and insightful reviews that have enriched our knowledge and sparked meaningful discussions. Each issue has been a testament to the dedication and passion of our authors, reviewers, and editorial team.

In our inaugural issue, we shared microbiological test results against fish pathogens and explored the fascinating world of aquatic organisms with review articles on topics such as sex control in fish, farming methods in sustainable aquaculture, and the effects of additives added to feeds on fish.

In issue of volume 1(2) features a diverse range of research articles and a review article that advance our understanding of aquatic life and aquaculture. The study on the histopathological effects of zinc oxide nanoparticles on Mediterranean mussels reveals significant tissue changes, highlighting environmental risks. Research on the embryonic and larval development of Fire Mouth Cichlid provides detailed insights into early growth stages. Another study examines the effects of dietary walnut leaf extracts on rainbow trout, showing improvements in growth, hematological health, and disease resistance. Additionally, a socio-economic analysis of trout facilities in Bursa Province evaluates the economic viability and challenges of local trout farming. The review article discusses production efforts for new candidate finfish species in Turkish marine aquaculture, exploring potential species and cultivation methods to enhance industry sustainability.

In February this year, we published Vol 2(1) of our AQAR. The first research article focused on two species of bivalves, the grooved carpet shell (*Ruditapes decussatus*) and the warty venus

(*Venus verrucosa*), which were intentionally contaminated with *Escherichia coli*. Another research article on the effects of adding garlic, thyme, and sage powder and oil to juvenile trout feed highlights improvements in growth and health. Third research article investigates the distribution of Sphaeriidae in relation to environmental variables in Northwestern Basin Streams in Türkiye, providing valuable ecological insights. Additionally, the ecology of Sphaeriidae in Turkish streams is explored, enhancing our understanding of these bivalves' habitats. The last research article on the isolation of early-stage testicular germ cells of rainbow trout using the Percoll gradient centrifugal method presents a novel technique for aquaculture research. The review article on microalgae applications in aquaculture discusses the potential benefits and uses of microalgae, emphasizing their importance in sustainable aquaculture practices.

In this last issue (Vol 2(2)) of AQAR, we are proud to feature a diverse array of research that advances our understanding of aquatic ecosystems and their management. The paper “Methods Used for the Long-Term Preservation of Primordial and Early-Stage Germ Cells in Fish” delves into innovative preservation techniques crucial for aquaculture sustainability. Another significant contribution, “Ichthyofauna and Invasive Fish Threats In Freshwater Ecosystems of Karaburun Peninsula,” examines the impact of invasive species on native fish populations, offering valuable insights for biodiversity conservation. Additionally, “Antimicrobial Effects of Organic Acids Against Fish Pathogen *Yersinia ruckeri*: Organic Acids Against Fish Pathogen” investigates the potential of organic acids as effective antimicrobial agents against fish pathogens, contributing to healthier aquaculture practices. Lastly, “Sustainable Surge in Turkish Salmon Culture: Prioritizing Environmental Responsibility” highlights the rapid growth of Turkish salmon farming, emphasizing the importance of environmentally responsible practices to ensure the industry's future.

As we look ahead, we remain committed to fostering a platform for high-quality research and dialogue. We aim to continue bridging the gap between science and policy, ensuring that our findings contribute to the sustainable management and protection of aquatic environments. Our journal is dedicated to advancing knowledge and enabling meaningful contributions from scientists. Your unique insights and research can significantly impact our community, and we look forward to hearing from you in future issues and looking forward to working with you more in the future.

We extend our heartfelt gratitude to all contributing authors, the editorial board, and our anonymous referees for their invaluable submissions to AQAR. Our mission remains steadfast in enhancing the quality standards of the journal, and we are committed to achieving new milestones that will elevate its standing within the international scientific community.

Thank you for being a part of this journey.

Sincerely,
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Editors-in-Chief
Aquatic Animal Reports, AQAR