

Volume 8 - Issue 1 - YEAR 2019



http://dergipark.org.tr/masteb

MARINE SCIENCE AND TECHNOLOGY BULLETIN

VOLUME: 8 • ISSUE: 1 • JUNE 2019

Editor-in-Chief

A.Y. Sönmez Kastamonu University, Turkey

Co-Editors

S. Bilen Kastamonu University, Turkey
E. Terzi Kastamonu University, Turkey
A.E. Kadak Kastamonu University, Turkey

S. Kale Çanakkale Onsekiz Mart University, Turkey

Editorial Board

A.O. Sudrajat Institut Pertanian Bogor, Indonesia

D. Güroy Yalova University, Turkey

F. Şen Yüzüncü Yıl University, Turkey

G. Biswas Kakdwip Research Centre of Central Institute, India

H.H. Atar Ankara University, Turkey

İ. Altınok Karadeniz Technical University, Turkey

M. Elp Kastamonu University, Turkey

M. Sazykina Southern Federal University, Russia

M. Gökoğlu Akdeniz University, Turkey

M.N. Khan *University of the Punjab, Pakistan*S. Beqiraj *University of Tirana, Albania*

S. Acarlı Çanakkale Onsekiz Mart University, Turkey
 S.Z.B. Halun Mindanao State University, Philippines
 S. Uzunova Institute of Fishing Resources, Bulgaria

S. Özdemir Sinop University, Turkey

Ş. Kayış Recep Tayyip Erdoğan University, Turkey

Ş. Yıldırım Ege University, TurkeyT. Yanık Atatürk University, Turkey



AUTHOR GUIDELINES

Manuscripts must be submitted to the journal in electronic version only via online submission system at http://dergipark.org.tr/masteb.

Types of Paper

- · Original research papers; review articles; short communications; letters to the Editor: book reviews
- Original research papers; original full-length research papers which have not been published previously and should not exceed 7500 words or 25 manuscript pages (including tables and illustrations)
- · Review articles; on topical subjects and up to 10,000 words or 25 manuscript pages (including tables and figures)
- Short communications; describing work that may be of a preliminary nature (preferably no more than 3000 or 10 manuscript pages including tables and figures).
- . Letters to the Editor; should be included on matters of topical interest and not exceeding 2000 words or 10 manuscript pages including tables and figures)
- · Book reviews are also published.

Page charges

This journal has no page charges.

Preparation of Manuscripts

Papers must be written in English. Prepare your text using a word-processing software and save in ".doc" or ".docx" formats. Manuscripts must be structured in the following order;

- Title page
- Title
- Author names and affiliations
- Corresponding author's e-mail, Telephone, Fax
- The number of figures
- The number of tables
- Main text
- Abstract
- Keywords
- Introduction
- Material and Methods
- Results
- Discussion
- Conclusion
- Acknowledgement (if required)
- Conflict of Interest
- Table(s) with caption(s) (on appropriate location in the text)
- Figure(s) with caption(s) (on appropriate location in the text)
- And appendices (if any)

Use a 12-point font (Times Roman preferred), including the references, table headings and figure captions, double-spaced and with 25 mm margins on one side of A4 size paper throughout the manuscript. Use 25 mm margins on all sides. The text should be in single-column format. In particular, do not use to hyphenate words. The names of genera and species should be given in italics and, when first mentioned in the text, should be followed by the authority. Authors should consult a recent issue of the journal for style if possible.

Title Page

The title page should be included;

- Concise and informative title. Avoid abbreviations and formulae
- . The first name(s) and surname(s) of the author(s) (The corresponding author should be identified with an asterisk and footnote. All other footnotes (Author(s) affiliation address(es)) should be identified with superscript numbers)
- · Author(s) affiliation address(es) (followed by department, institution, city with postcode, and country) of the each author(s))
- The e-mail address, phone number, fax number of the corresponding author
- · The number of figures
- The number of tables

Main Text

- · Abstract (should not exceed 500 words. References and abbreviations should be avoided)
- Keywords (provide a maximum of 6 keywords)
- Articles must be structured in the conventional format such as Introduction, Material and Methods, Results, Discussion, Conclusion, Acknowledgments, Conflict of Interest, and References
- · Each page must be numbered, and lines must be consecutively numbered from the start to the end of the manuscript.
- Do not justify on the right-hand margin
- · The first line of each paragraph must be indent. Do not put a blank line between paragraphs.
- · The first mention in the text of any taxon must be followed by its authority including the year.
- Use italics for emphasis
- · Use only SI (international system) units.

Acknowledgement

Keep these to the absolute minimum and placed before the reference section.

References

Citation in text;

Please ensure that each reference cited in the text is also presented in the reference list. Cite literature in the text in chronological, followed by alphabetical order like these examples "(Mutlu et al., 2012; Biswas et al., 2016; Yanık and Aslan, 2018)". If the cited reference is the subject of a sentence, only the date should be given in parentheses. Formatted like this examples: "Sönmez

- Single author: the author's name and the year of publication;
- Two authors: both authors' names and the year of publication;
- Three or more authors: first author's name followed by "et al." and the year of publication (all authors are to be listed at first citation)

Citation in the reference list;

References should be listed first alphabetically and then further sorted chronologically at the end of the article. More than one reference from the same author(s) in the same year must be identified by the letters a, b, c, etc. placed after the year of publication.

The citation of articles, books, multi-author books and articles published online should conform to the following examples:

Yamasaki, J., Miyata, H. & Kanai, A. (2005). Finite-difference simulation of green water impact on fixed and moving bodies. Journal of Marine Science and Technology, 10(1): 1-10.

Yanık, T. & Aslan, İ. (2018). Impact of global warming on aquatic animals. Pakistan Journal of Zoology, 50(1): 353-363.

Sönmez, A.Y., Kale, S., Özdemir, R.C. & Kadak, A.E. (2018). An adaptive neurofuzzy inference system (ANFIS) to predict of cadmium (Cd) concentration in the Filyos River, Turkey. Turkish Journal of Fisheries and Aquatic Sciences, 18(12): 1333-1343.

Brown, C., Laland, K. & Krause, J. (Eds.) (2011). Fish Cognition and Behavior. 2nd ed. Oxford, UK: Wiley-Blackwell. 472p.

Langston, W.J. (1990). Toxic effects of metals and the incidence of marine ecosystems, p. 102-122. In: Furness, R.W. (Eds.), Rainbow heavy metals in the marine environment. CRC Pres., New York. 256p.

Vassallo, A.I. & Mora, M.S. (2007). Interspecific scaling and ontogenetic growth patterns of the skull in living and fossil ctenomyid and octodontid rodents (Caviomorpha: Octodontoidea). In: Kelt, D.A., Lessa, E., Salazar-Bravo, J.A., Patton, J.L. (Eds.), The Quintessential Naturalist: Honoring the Life and Legacy of Oliver P. Pearson. 1st ed. Berkeley, CA, USA: University of California Press, pp. 945-968.

Thesis:

Sönmez, A.Y. (2011). Karasu ırmağında ağır metal kirliliğinin belirlenmesi ve bulanık mantıkla değerlendirilmesi. Ph.D. Thesis. Kastamonu University, Kastamonu, Turkey

Conference Proceedings:

Notev, E. & Uzunova, S. (2008). A new biological method for water quality improvement. Proceedings of the 2nd Conference of Small and Decentralized Water and Wastewater Treatment Plants, Greece, pp. 487-492.

Institution Publication:

FAO. (2016). The State of World Fisheries and Aquaculture: Contributing to food security and nutrition for all. Rome. 200 pp.

FAO. (2018). Report of the ninth session of the Sub-Committee on Aquaculture. FAO Fisheries and Aquaculture Report No. 1188. Rome, Italy.

Froese, R. & Pauly, D. (Eds.) (2018). FishBase. World Wide Web electronic publication. Retrieved in January 11, 2018 from http://www.fishbase.org.

Tables, numbered in Arabic, should be on separate pages with a short descriptive title at the top. Place footnotes to tables below the table body and indicate them with superscript lowercase letters (or asterisks for significance values and other statistical data). Avoid vertical rules. The data presented in tables do not duplicate results described elsewhere in the article.

All illustrations should be labelled 'Figure' and numbered in consecutive Arabic numbers, Figure 1, Figure 2 etc. m the text. If panels of a figure are labelled (a, b, etc.) use the same case when referring to these panels in the text. Drawings reproduced with a high quality laser printer are preferred. Photographs, 1f used, should be of good contrast and printed on glossy paper. Figures, which are recommended for electronic formats such as PNG, JPEG. TIFF (min. 300 dpi) should be also arranged m available dimensions. All figures or tables should be presented in the body of the text. Use the Times New Roman font for all figures and tables. Font sizes size should be from 9 to 11 points.

Download Copyright Form



SCOPE

The Marine Science and Technology Bulletin is an international, double blind peer-reviewed and open access journal publishing high quality papers that original research articles, short communications, technical notes, reports and reviews for scientists engaged in all aspects of marine sciences and technology, fisheries and aquatic sciences both fresh water and marine, and food processing technologies.

Research areas include (but not limited):

Marine Sciences Biogeography, Marine and Freshwater Pollution, Marine Technology, Aquaculture, Management and Economics,

Fisheries and Aquatic Sciences, Fish Nutrition, Unmanned Surface/Underwater Vehicles,

Environmental Science and Technology, Disease and Treatment, Remote Sensing,

Oceanography, Fisheries Technology, Information Technologies, Limnology, Food Processing, Computational Mechanics, Marine Biology, Chemistry, Artificial Intelligence, Marine Ecology, Microbiology, Fuzzy Logic,

Marine Engineering, Algal Biotechnology, Image Processing Technology,

Ocean Engineering, Maritime, Climate Change,

Offshore and Underwater Technology, Marine Affair, Protection of Organisms Living in Marine, Brackish

Biology, Naval Architecture, and Freshwater Habitats.

Ecology,

Online Manuscript Submission

Authors are requested to submit manuscripts via the journal's online submission system following the Instructions for Authors.

Peer Review Process

All submitted manuscripts are subject to initial appraisal by the Co-Editors, and, if found suitable for further consideration, enter peer review by independent, anonymous expert referees. All peer review is double-blind.

Publication Frequency

The journal includes original scientific articles on a variety of different subjects in English and is published two times a year in June and December.

Publication Fees

No submission or publication charges are collected. All authors and readers have free access to all papers.

REVIEW PROCESS

Double-Blind Review and Evaluation Process

Double-Blind Review is a method applied for publishing scientific publications with the highest quality. This method forms the basis of an objective evaluation of scientific studies and is preferred by many scientific journals.

The views of referees have a decisive place in the publication quality of Marine Science and Technology Bulletin.

Marine Science and Technology Bulletin uses the double-blind review method, which means that both the reviewer and author identities are concealed from the reviewers, and vice versa, throughout the review process, in the evaluation process of all studies. For this reason, the authors are asked to erase their names while uploading the articles to the system.

All the studies sent to Marine Science and Technology Bulletin are evaluated by double-blind review method according to the following steps.

1. Initial Evaluation Process

The studies submitted to Marine Science and Technology Bulletin are first evaluated by the editor. At this stage, studies that are not in line with the aim and scope of the journal, are weak in terms of language and narrative rules in English contain

scientifically critical mistakes, are not original worthy and cannot meet publication policies are rejected. Authors of rejected studies will be notified within one month at the latest from the date of submission. Eligible studies are sent to the field editor to which the study is relevant for pre-evaluation.

2. Pre-Evaluation Process

In the pre-evaluation process, the field editors examine the studies, introduction and literature, methods, findings, results, evaluation and discussion sections in detail in terms of journal publication policies, scope and authenticity of study. Study which is not suitable as a result of this examination is returned to the author with the field editor's evaluation report within four weeks at the latest. The studies which are suitable for the journal are passed to the referee process.

3. Referee Process

The studies are sent to the referees according to their content and the expertise of the referees. The field editor examining the study may propose at least two referees from the pool of Marine Science and Technology Bulletin Advisory Board or referee pool according to their field of expertise or may propose a new referee appropriate to the field of study.

The editors evaluate the referee's suggestions coming from the field editor and the studies are submitted to the referees. Referees are obliged to guarantee that they will not share any process or document about the study they are evaluating.

4. Referee Evaluation Process

The period given to the referee for the evaluation process is 15 days. Proposals for corrections from referees or editors must be completed by the authors within 1 month according to the "correction instruction".

Referees can decide on the suitability of the study by reviewing the corrections and may also request multiple corrections if necessary.

Referee Reports

Referee evaluations are based in general on the originality of the studies, the method used, and the conformity with the ethical rules, the consistent presentation of the findings and results, and the examination of the literature.



This review is based on the following elements:

- 1. Introduction and Literature: The evaluation report contains the presentation and purpose of the problem addressed in the study, the importance of the topic, the scope of the relevant literature, the timeliness and the originality of the study.
- 2. *Methodology:* The evaluation report includes information on the suitability of the method used, the choice and characteristics of the research group, validity and reliability, as well as on the data collection and analysis process.
- 3. Findings: The evaluation report includes opinions on the presentation of the findings obtained in the frame of the method, the correctness of the analysis methods, the aims of the research and the consistency of the findings, the presentation of the required tables, figures and images and the conceptual evaluation of the tests used.
- 4. Evaluation and discussion: The evaluation report includes the opinion on the subject based on findings, relevance to research questions and hypotheses, generalizability and applicability.
- 5. Conclusion and suggestions: The evaluation report contains the opinion on the contributions to the literature, future studies and recommendations for the applications in the area.
- 6. Style and narration: The evaluation report includes compatibility of the headline with the content, appropriate use of English in the study, refers and references in accordance with the language of the study and APA rules.
- 7. Overall evaluation: The evaluation report contains opinion on the authenticity of the study as a whole, its contribution to the educational literature and the applications in the area.

The journal considers that scientists should avoid research which kills or damages any species of fish which, using IUCN criteria, is regarded as threatened or is listed as such in a Red Data Book appropriate for the geographic area concerned. In accordance with this view, papers based on such research will not be accepted by the Journal, unless the work had clear conservation objectives.

Plagiarism Detection

In agreement with publishing policies of *Marine Science and Technology Bulletin*, plagiarism check is required for each study that has undergone the "Review Process". The *Turnitin* plagiarism checker software is used for plagiarism detection.

Proofs

Proof documents will be sent to the corresponding authors via online submission system. Proofs should be checked immediately and responses should be returned back within 15 working days. It is the responsibility of the authors to check carefully the proofs. No changes will be allowed at this stage.

DISCLAIMER

The Publisher and Editors cannot be held responsible for errors or any consequences arising from the use of information contained in this journal; the views and opinions expressed do not necessarily reflect those of the Publisher and Editors.

This journal is available online at DergiPark Open Journal System. Visit http://dergipark.org.tr/masteb & http://www.masteb.com to search the articles and register for table of contents e-mail alerts.

LICENSE

Authors retain copyright and grant the journal right of first publication with the work simultaneously licensed under a <u>Creative Commons Attribution License</u> that allows others to share the work with an acknowledgement of the work's authorship and initial publication in this journal.

Authors are able to enter into separate, additional contractual arrangements for the non-exclusive distribution of the journal's published version of the work (e.g., post it to an institutional repository or publish it in a book), with an acknowledgement of its initial publication in this journal.

Authors are permitted and encouraged to post their work online (e.g., in institutional repositories or on their website) prior to and during the submission process, as it can lead to productive exchanges, as well as earlier and greater citation of published work (See <u>The Effect of Open Access</u>).



All published work is licensed under a <u>Creative Commons</u> Attribution 4.0 International License.

INDEXING

Marine Science and Technology Bulletin is indexed by "CAB Abstracts, CAB Direct, Index Copernicus, Directory of Research Journals Indexing (DRJI), CiteFactor, Eurasian Scientific Journal Index, Scientific Journal Impact Factor (SJIF), COSMOS IMPACT FACTOR, Scientific Indexing Services (SIS), ASOS INDEX, General Impact Factor, International Innovative Journal of Impact Factor (IIJIF), Genamics JournalSeek, International Institute For Research Impact Factor Journals (IFJ), ResearchBib, ACADEMIC JOURNAL INDEX (AJI), Bielefeld Academic Search Engine (BASE), International Institute of Organized Research (I2OR), AcademicKeys, Root Indexing, Journal Factor, International Citation Indexing (ICI), Paperity, Google Scholar"



MARINE SCIENCE AND TECHNOLOGY BULLETIN

VOLUME 8 • ISSUE 1 • JUNE 2019

TABLE OF CONTENTS

RESEARCH ARTICLES	
An Empirical Study of R Applications for Data Analysis in Marine Geology Polina LEMENKOVA	1-9
Occurrence of Sudis hyalina Rafinesque, 1810 (Paralepididae) in Büyükeceli Coast (Mersin Bay, Northeastern Mediterranean) Deniz AYAS, Nuray ÇİFTÇİ, Mustafa GÜNDOĞAN, Mısra BAKAN	10-12
Determination of Usage Potential of Some Mediterranean Rays in Fish Oil Production Deniz AYAS, Elif Ayşe ERDOĞAN ELİUZ, Ferit PERİ, Mısra BAKAN	13-22
The Reflection of Ship Demolition Prices to Construction Costs in Turkey Abdullah AÇIK, Esra BARAN	23-29
Identification of Mislabelling in Frozen Fish Fillets Based on DNA Barcoding Analysis Evren KOBAN BAŞTANLAR	30-35