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# JMSET



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## Foreword

Journal of Marine Sciences and Environmental Technologies (JMSET) is a scientific refereed periodical international journal (ISSN-Print: 2413-5267; and ISSN-Online: 2706-9966). It is issued by the Faculty of Marine Resources at Alasmarya Islamic University, in accordance with the resolution of the Council of Alasmarya Islamic University (253/2015). JMSET endeavors to provide a notable and discern forum to publish research manuscripts of high quality relevant to a wider area of marine science and environmental topics. JMSET is a multidisciplinary journal covering a wide area of subjects of marine science and environmental technologies to promotes insight and understanding of the state of the art, and trends in the environment, engineering, and marine sciences.

This volume 9 and issue 2 (December, 2023) contains nine diversified scientific contributions (manuscripts) which are blindly peer-reviewed by members of JMSET editorial, and reviewers panel to ensure optimum standards. We hope these papers will be helpful for imparting advanced knowledge to the researchers, academics, and technologists who are involved in research, teaching, and practical fields. The issue covers a broad range of topics in the field of marine science, and techniques of environmental impacts. During the past nine years with the efforts of all members of the Editorial and Evaluation Board, we are pleased to announce that the Journal received the Arab Impact Factor for the year 2023 (2.27). Consequently, the impact factor of the journal has increased over the past years. In this regard, we can only congratulate ourselves and you on this achievement, and We promise to make efforts to enter the international platforms, after the journal obtains a digital identifier within (Crossref), also for the previous published manuscripts.

We want to express our heartfelt thanks to the Authors for submitting their work and also to the distinguished members of the editorial board, reviewers, and the publication committee who have put their relentless effort to publish the issue successfully. We believe this issue reflects the topic focus of JMSET and provides resources to the research community. We believe our authors will be continuously supporting and relying on JMSET to publish quality research works.

***Prof. Dr. Mustafa E. Alsharif***

Editor-in-Chief, JMSET

# Call for Manuscripts

Journal of Marine Sciences and Environmental Technologies is a peer-reviewed journal, published by the Faculty of Marine Resources, Alasmarya Islamic University. The journal publishes research papers in the fields of;

## Marine Science;

The journal draws from diverse topics within the major disciplines of coastal and blue water oceanography (biological, chemical, geological, and physical) as well as subjects in ecology, conservation, and technological developments with the marine environment as the unifying theme. Also, all branches of engineering related to marine such as (offshore & marine explore, mechanical, naval architecture and corrosion ... etc.).

## Environmental Technologies;

JMSET covers all sorts of researches in the field of environmental technologies (management, assessment, monitoring, and treatment) of atmospheric environment, the aquatic environment, and municipal solid waste ...etc.

We are seeking submissions for forthcoming issues. The paper should be written in professional English. The length of 3000-8000 words is preferred. All manuscripts should be prepared in MS-word format and submitted to the Managing Editor's e-mail.

## **Publication Process**

- Upon receipt of paper submission, the Editor sends an E-mail of confirmation to the corresponding author within 1-3 working days. If you fail to receive this confirmation, your submission/e-mail may be missed. Please contact the Editor in time for that.
- Peer review. We use a double-blind system for peer-review, both reviews and authors' identities remain anonymous. The paper will be peer-reviewed by three experts, one is an editorial staff and the other two are external reviewers. The review process may take 2-3 weeks.
- Notification of the results of the review by E-mail to the authors to revise the paper.
- After publication, the corresponding author will receive one copy of the printed journal and one soft copy of the journal, free of charge.
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## **More Information**

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## Preface

Issue 2 of volume 9, includes the contributions from the following categories: (Ichthyology, Remote Sensing, Workplace Environment Management, Power Plants, Marine Products, Mechanical Turning, Solid Waste Management, Engine Vibrations, Marine Systems for Ships).

The nine manuscripts in this JMSET Journal (Volume 9, Issue No. 2) present an in-depth discussion on the latest field of Environmental, Marine and Applied Science.

The first research paper was concerned with the Stages of Sexual Maturation in *Scomber japonicus* (Houttuyn, 1782) on The Libyan Western Coast: A Histological Study. The second research paper includes Environmental Study about Sirte Sabkhas Impact on The Surface Salinity at Western Coastal of Libya Using MODIS Satellite Techniques. The third research paper includes the Effect of Workers' Weight on Work Efficiency. The fourth research paper focused on the Efficiency Analysis of the Third Unit in Al-Khoums Steam Power Plant, Libya. The fifth paper is concerned with the Extraction of Fish Oil and its Waste Oil by Modern Techniques and Study its Qualitative Characteristics: A Review. The sixth paper introduced a Determine the Optimal Cutting Conditions in Longitudinal Turning Operations over the Life of the Cutting Tool to Achieve the Best Production Rate and Lowest Cost. The seventh research paper concerns Study of the Reality of Solid Waste Management in Zintan City. The eighth research paper introduced the Measuring Blocked Force Using beams and Gear Box Testing System Based on Vibration Signal. The final manuscript concerns Application of Modeling to Human Reliability Assessment (HRA) and Error Analysis Method in Marine Systems.

*JMSET Editorial Board*

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