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The correspondence should be sent to the following address:

**Dr. Director of the editorial board
Journal of Marine Sciences and Environmental Technologies
Faculty of Marine Resources – Alasmarya Islamic University
Zliten Teaching Hospital Road, Beside Sports City
Zliten - Libya
PO Box 50 Zliten
Fax: + 218514628034
E-mail: jmset.editor@gmail.com or
jmsetg@asmarya.edu.ly**

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Foreword

Journal of Marine Sciences and Environmental Technologies (JMSET) is a scientific refereed periodical international journal (ISSN: 2413-5267). It is issued by Faculty of Marine Resources at Alasmarya Islamic University, in accordance to 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 wider area of marine science and environmental topics. JMSET is a multidisciplinary journal covering wide area subjects of marine science and environmental technologies. It promotes insight and understanding of the state of the art, and trends in environment, engineering, and marine sciences.

This volume 4 and issue 1 (June 2018) contains EIGHT 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 technologist who are involved in research, teaching and practical fields. The issue covers a broad range of topics in the field science, engineering and techniques of environmental treatment. During the past three years and with the efforts of all members of the Editorial & Evaluation Board, we are pleased to announce to you that the journal will receive the Arab Impact Factor for the year 2017 (1.6), which occupies the second place locally and ranked 21st in the Arab world according to the classification of 2017. In this regard, we can only congratulate ourselves and you on this achievement, and we promise you that efforts will be made to enter the International Scientific Impact Factor (ISI).

We want to express our heartfelt thanks to 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 topics 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 work.

Dr. Omar A. Elayan

Editor-in-Chief, JMSET
Dean of Faculty of Marine Resources
Alasmarya Islamic University

Call for Manuscripts

Journal of Marine Sciences and Environmental Technologies is a peer-reviewed journal, published by Faculty of Marine Resources, Al-Asmarya 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 on the field of environmental technologies (management, assessment, monitoring and treatment) of atmospheric environment, 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 managing Editor e-mail.

Paper Selection and Publication Process

- a) Upon receipt of paper submission, the editor sends an E-mail of conformation to the corresponding author within 1-3 working days. If you fail to receive this conformation, your submission/e-mail may be missed. Please contact the Editor in time for that.
- b) Peer review. We use 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.
- c) Notification of the results of review by E-mail to into the authors to revise paper.
- d) After publication, the corresponding author will receive one copy of printed journal and one soft copy of journal, free of charge.

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More Information

Contact with Managing Editor

E-mail: jmset.editor@gmail.com or jmsetg@asmarya.edu.ly

Preface

Issue 1 of volume 4, includes the contributions from the following categories: (GIS and remote sensing, Biotechnology, Oil exploration, Biodiversity, Oil pollution, Coastal management, Ichthyology, and Drinking water quality).

The seven manuscripts in this JMSET Journal (Volume 4, Issue No. 1) present an in-depth discussion on latest fields of Applied and Environmental Sciences.

In first paper is a measuring the urban growth in Khoms, Libya, by using geographic information systems and remote sensing. The second paper is a nitrate removal (NO_3^-) from different sources of water by laboratory-scale reactor biofilters with anaerobic condition. Third paper is an exploration history of Messla oil field, Sirt basin, north central Libya. The fourth paper is a preliminary study of phytoplankton of the surface layer of Wadi Gan water dam basin. The fifth paper is a total hydrocarbon levels in the shore soils extending from Ras Lanuf to Drian. Sixth paper focuses on estimating the pressures on the coastal environment in Libya through the indicators of population, tourism, and industrial development: case study the coastal area between Gharabolli and Zawia. The seventh is a feeding habits, liver and reproduction study of some species of *Serranus* spp. in Benghazi coasts in winter 2018. The last research work it conducted to study of some evidences about of the bottled water in Misurata city, Libya.

JMSET Editorial Board

Contents

Measuring The Urban Growth in Khoms, Libya, by Using Geographic Information Systems and Remote	E1-14
<hr/>	
Omar S. Belhaj, Stanley T. Mubako, and Elhadi A. Hadia	
Nitrate Removal (NO₃⁻) from Different Sources of Water by Laboratory-Scale Reactor Biofilters with Anaerobic Condition	E14-23
<hr/>	
Abdulsalam I. Rafida, Omer Chet, and Hussein R. Dehoom	
Exploration History of Messla Oil Field, Sirt Basin, North Central Libya	E24-32
<hr/>	
Hassan Haweel, and Abdulla Al Agail	
Preliminary Study of Phytoplankton of The Surface Layer of Wadi Gan Water Dam Basin	A1-10
<hr/>	
Khalil A. Mohammed, Hamed A. Abdulrahim, and Mostafa S. Abdulhadi	
Total Hydrocarbon Levels in The Shore Soils Extending from Ras Lanuf to Drian	A11-18
<hr/>	
Mohamed S. Hammouda, Nora N. Al Tajouri, Fakhruddin A. Hamouda, Aly Y. Okasha	
Estimating The Pressures on The Coastal Environment in Libya Through The Indicators of Population, Tourism, and Industrial Development: Case Study The Coastal Area between Gharabolli and Zawia	A19-35
<hr/>	
Samia Grimida, and Mohamed Alawer	
Feeding Habits, Liver and Reproduction Study of Some Species of Serranus spp. in Benghazi Coasts in Winter 2018	A36-52
<hr/>	
Esam M. K. Buzaid	
Study Some Evidences about of The Bottled Water in Misurata City, Libya	A53-68
<hr/>	
Milad A. Shalouf, Ahmed M. Abdulah, and Ramdan M. Egikah	