Special Issue

Marine Mineral Resource Mining

Message from the Guest Editor

Solid organic matter in sedimentary rocks produces petroleum and bitumen when undergoes thermal maturation. Solid OM is a 'geomacromolecule', representing a mixture of various organisms with distinct biogenic origins. Programmed pyrolysis is a common method to reveal bulk geochemical characteristics of the dominant organic matter while detailed organic petrography is required to reveal biogenic origin of contributing macerals. Despite advantages of pyrolysis, it misses the heterogeneity of chemical compositions in the individual OM which varies with maturity. Therefore, other analytical techniques such as Raman, GC-MS and infrared spectroscopy, are necessary to elevate our understanding from individual organic particle in smaller scale. The focus of this special issue is to compare various analytical techniques on different source rocks that can provide insight to petroleum system evaluation of unconventional shale plays. This special issue is aiming to signify the potential of alternative methods to the conventional (pseudo) Van Krevelen diagram, by revealing the underlying chemical changes in source rocks during thermal advance.

Guest Editor

Dr. Mehdi Ostadhassan

1. Department of Biomedical Engineering, University of North Dakota, Grand Forks, ND, USA
2. Key Laboratory of Continental Shale Hydrocarbon Accumulation and Efficient Development, Institute of Unconventional Oil and Gas, Northeast Petroleum University, Daqing, China

Deadline for manuscript submissions

closed (15 August 2019)

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6

mdpi.com/si/17622

Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

mdpi.com/journal/jmse

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6

mdpi.com/journal/jmse

MDPI

About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (*JMSE*, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

Author Benefits

High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q1 (Ocean Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).