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

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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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