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ABSTRACTS BOOK



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REVIEW ON THE STATUS AND FUTURE PROSPECTS OF HEAVY METAL POLLUTION IN MALAYSIAN COASTAL WATERS

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Abstract

Pollution in the coastal environment has received a serious concern in recent years as it directly or indirectly impacts the wellbeing of mankind. Considerable number of research papers has been published on individual field specific topics besides countable number of review articles on coastal ecosystem. However, the comprehensive information on status of metal pollution in coastal habitats of Malaysia is still scanty. In this review, we focused on the major metal pollutants discharge in Malaysian coastlines, their source and impact on natural habitat is discussed. We found 183 research articles focused on marine pollution and bio-monitoring their impact on ecosystem and aquatic animals. This review summarizes the current status of heavy metal pollution in Malaysian coastline that can facilitate the planning and integration of future pollutant assessments in Malaysian marine ecosystem.

Keywords: Malaysian coastline, Marine pollution, Heavy metals, Biomonitoring.