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A Systematic Review of Biogeochemistry of Mahanadi River Estuary: Insights and Future Research Direction

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Abstract

The Mahanadi estuary is located at the mouth of the perennial river Mahanadi, the third largest in peninsular India. It experiences semidiurnal tides and is characterized as a microtidal partially mixed coastal plain estuary. The objective of this chapter is to synthesise current knowledge in Mahanadi estuary from the published literature. Range values of various parameters have been reported from the mouth of the main branch of Mahanadi river estuary. In most of the cases, the water column was well-oxygenated, with concentration of Dissolved oxygen (DO) remaining higher than 5 mg.l^{-1} ,