



Baltic Sea

Curonian Lagoon

POSTER NR. 107

Calcium in sediments of the transitional river-lagoon-marine system as indicator of different biogeochemical accumulation areas

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The Nemunas River (drainage area of 98.220 km²) - one of the biggest rivers flowing into the Baltic Sea.

The Lithuanian marine area located in the south-eastern part of the Baltic Sea and acting as a sink for the suspended matter carried by the Nemunas River



Sediment flow direction

The study provides new scientific knowledge on the variations and geochemical links between calcium (Ca) and related chemical elements in the sediments of a 190 km long transitional river-lagoon-marine system from the south-eastern Baltic Sea (**~1500 km from here...**)

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The Curonian Lagoon - the largest estuarine coastal lagoon in the Baltic Sea (total area of 1584 km², mean depth 3.8 m, maximum depth 5 m).



Klaipėda strait - the only inlet connecting Curonian Lagoon with the Baltic Sea and accommodating the multipurpose port of Klaipėda city.

