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Riverine Inputs into the Ocean—a Sedimentological and Geochemical Approach

Guest Editor:

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Message from the Guest Editor

The input of riverine freshwater into the open sea is a crucial contribution to the wealth of coastal environments. To understand this influence, detailed studies and models are needed. These studies include the dynamic analysis of water and sediment inputs, both being chemically reactive agents. Riverine water reaching the ocean is frequently highly processed by fluvial and estuarine processes and therefore may have different geochemical properties. On the other hand, riverine sediments, are composed mainly of siliciclastic particles which are also not “inactive”. Bedload is usually quartzic and chemically “neutral”, but suspended load has high reactivity and adsorption capabilities.

This Special Issue aims to gather original contributions about the influence of riverine inputs into the coastal environment. Regional or local case studies, conceptual approaches or quantified models are welcome. Rivers and coasts from different latitudes frameworks will also be important for understanding the relative weight of the climatic, geomorphic and geological factors.

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Special issue



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Message from the Editor-in-Chief

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