

## Special Issue

# Natural Low-Cost Adsorbents in Water Purification Processes

### Message from the Guest Editors

Water treatment is essential to ensure its quality and potability. Among the various techniques employed, adsorption has stood out as an efficient and economical alternative, especially when low-cost natural adsorbents are used. These materials, often derived from agro-industrial waste, biomass and abundant minerals, have a high capacity to remove contaminants, such as heavy metals, dyes and organic compounds. Among the most studied natural adsorbents are banana peels, sugarcane bagasse, sawdust, natural clays and coconut shells. These materials can be used in their natural state or can be modified to increase their adsorptive efficiency. The application of these adsorbents is a sustainable solution since, in addition to reducing water treatment costs, it promotes the reuse of waste and minimizes environmental impacts.

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### Deadline for manuscript submissions

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## Processes

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