

Low-Cost Biochar Adsorbents for Wastewater Remediation: Case Studies on Ibuprofen, Sulfamethoxazole, and Diclofenac

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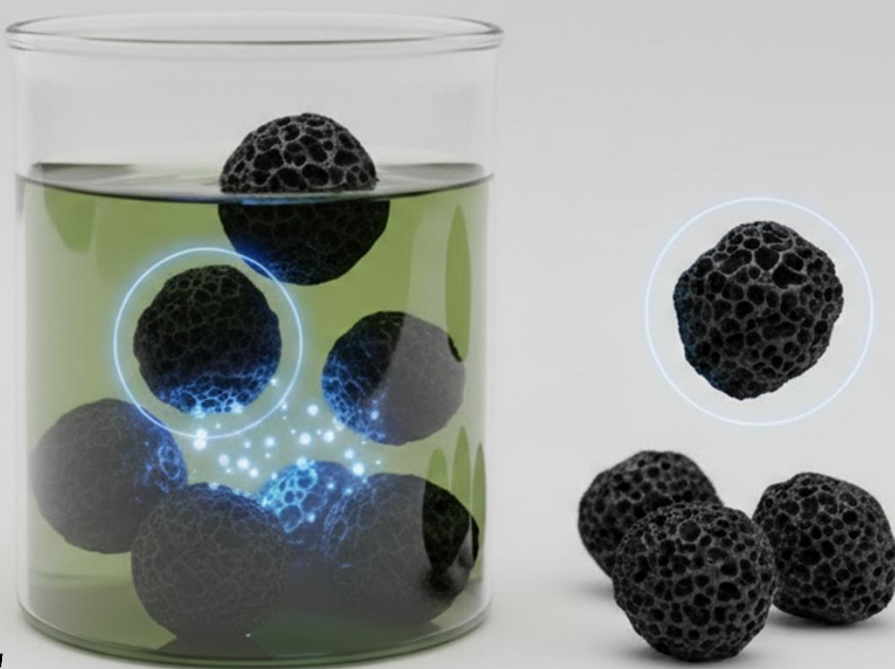
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Editor's note: Pharmaceuticals like ibuprofen are increasingly found in water sources and are often resistant to traditional treatment. This review by Nosa-Ihaza et al. explores low-cost biochar adsorbents made from biomass, highlighting how production methods affect their effectiveness in removing drugs such as ibuprofen, sulfamethoxazole, and diclofenac. Key factors include the biochar's surface area and properties, as well as conditions like pH and dosage. The review also discusses regeneration methods and the need for standardized testing to establish biochar as a viable wastewater treatment solution.

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