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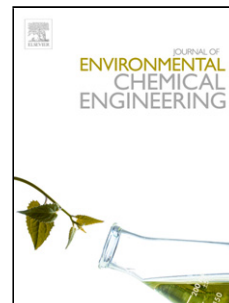
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Preparation and Characterization of Poly (lactic acid)/ Activated Carbon Composite Bead via Phase Inversion Method and Its Use as Adsorbent for Rhodamine B in Aqueous Solution

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Highlights

- The PLA/AC 5% wt. beads were prepared by compacting AC and poly(lactic acid) via phase inversion method.
- The practical potential of PLA/AC beads can remove carcinogenic dye Rhodamine B from an aqueous solution.
- The kinetic and adsorption isotherm of Rhodamine B by PLA/AC were well fit by the intraparticle diffusion model and Langmuir adsorption isotherm, respectively.
- The adsorption process on PLA/AC was an endothermic process.

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