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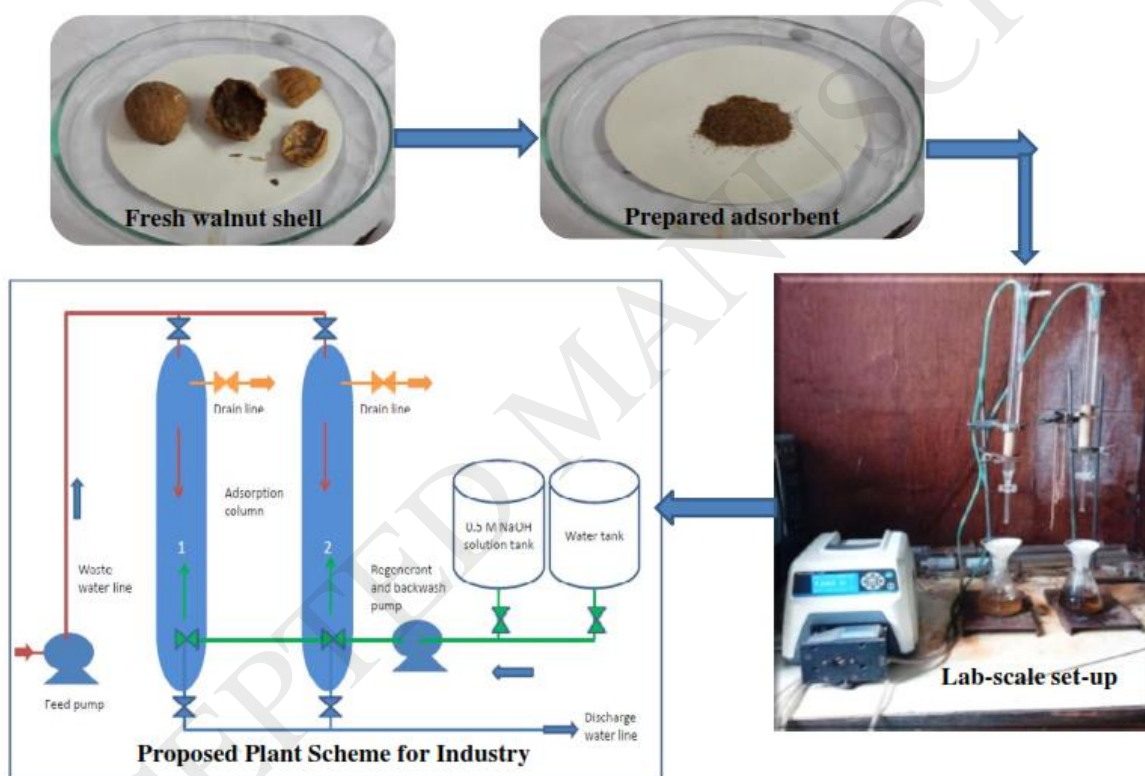
Cr(VI) adsorption by a green adsorbent walnut shell : adsorption studies, regeneration studies, scale-up design and economic feasibility

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Graphical Abstract:



Research Highlights

- A low-cost green adsorbent, walnut shell used for adsorptive removal of Cr(VI) in continuous fixed bed column.
- Langmuir isotherm fits well with column equilibrium data.
- Yan et al. kinetic model fitted satisfactorily with the experimental result.
- Effective regeneration of walnut shell was reported.

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