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Area of Specialization:

- Adsorption Separation Technology
- Activated Carbon
- Alternative Fuels
- Advanced Oxidation Process
- Chemical Reaction Engineering
- Electrochemical Sensors
- Environmental Engineering
- Environmental Nanobiotechnology
- Wastewater Treatment

Publications:

Adsorption of dye from aqueous solution by cashew nut shell: Studies on equilibrium isotherm, kinetics and thermodynamics of interactions

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- Adsorption of Pb²⁺ ions from aqueous solutions onto bael tree leaf powder: isotherms, kinetics and thermodynamics study
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- Treatment of dye wastewater using an ultrasonic aided nanoparticle stacked activated carbon: kinetic and isotherm modelling
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- Adsorption of metal ions onto the chemically modified agricultural waste
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