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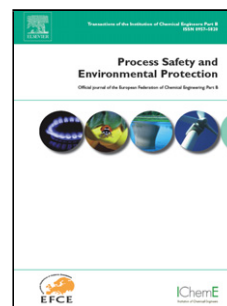
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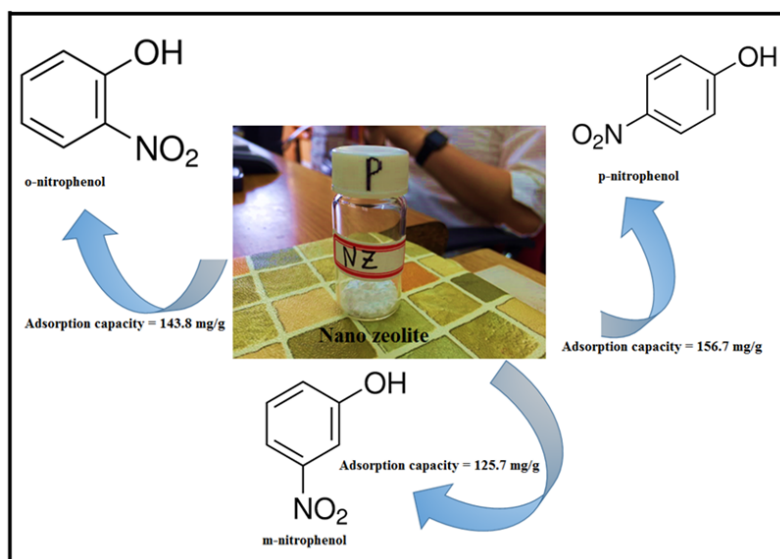
Improved adsorption properties of a nano zeolite adsorbent toward toxic nitrophenols

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Graphical abstract



Highlights

- Synthesized nano zeolite was a good adsorbent for o-, p- and m-nitrophenols removal
- The adsorption capacities of nitrophenols ranged from 121.7 to 156.6 mg/g
- The desorption efficiency of nitrophenols remained above 70 % after 5 cycles
- The adsorption cost of nitrophenols was only 46.6 % of that of AC

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