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Title: Degradation of simazine from aqueous solutions by diatomite-supported nanosized zero-valent iron composite materials

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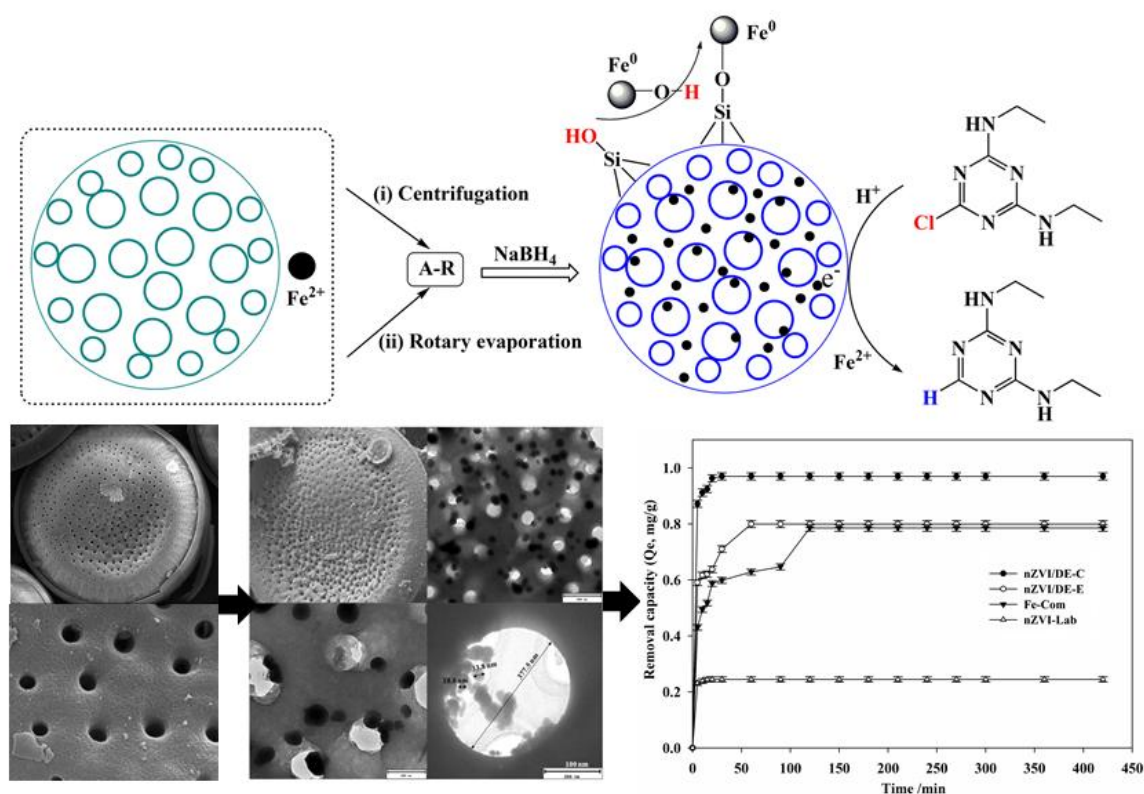
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Graphical abstract

Nanosized zero-valent iron (nZVI) particles were deposited onto acid-leached diatomite through centrifugation or rotary evaporation. The synthesis schematic diagram and morphology of the prepared nZVI /diatomite composites are shown in the illustration. The removal efficiency for herbicide simazine by nZVI /diatomite composites was compared with that of the pristine nZVI and the commercial iron powder.



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