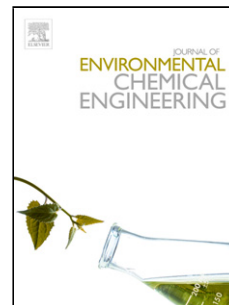


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Anoxic ammonia removal using granulated nanoscale oxyhydroxides of Fe (GNOF) in a SBR

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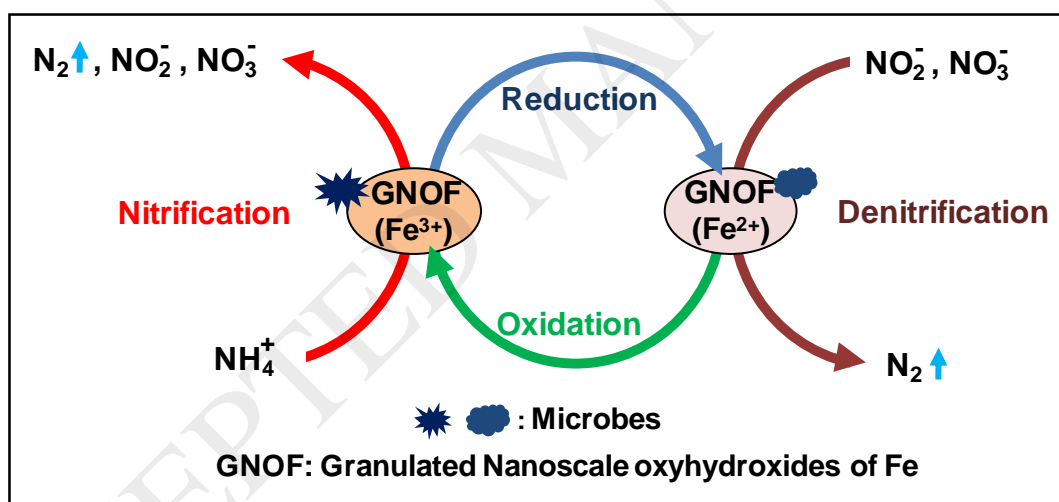
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Graphical abstract



Abstract

Microbial mediated anoxic ammonia removal in the presence of granulated nanoscale oxyhydroxides of Fe (GNOF) was investigated in a SBR, as a novel alternative to conventional nitrification and denitrification. Activated sludge flocs collected from a SBR treating sewage was used as seed biomass to develop the process. After confirming the feasibility of anoxic ammonia removal, SBR operations were

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