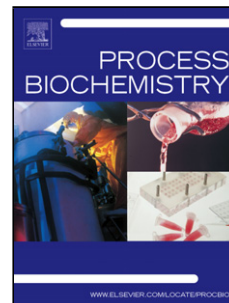


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Aerobic granular sludge treating shipboard slop: analysis of total petroleum hydrocarbons loading rates on performances and stability.

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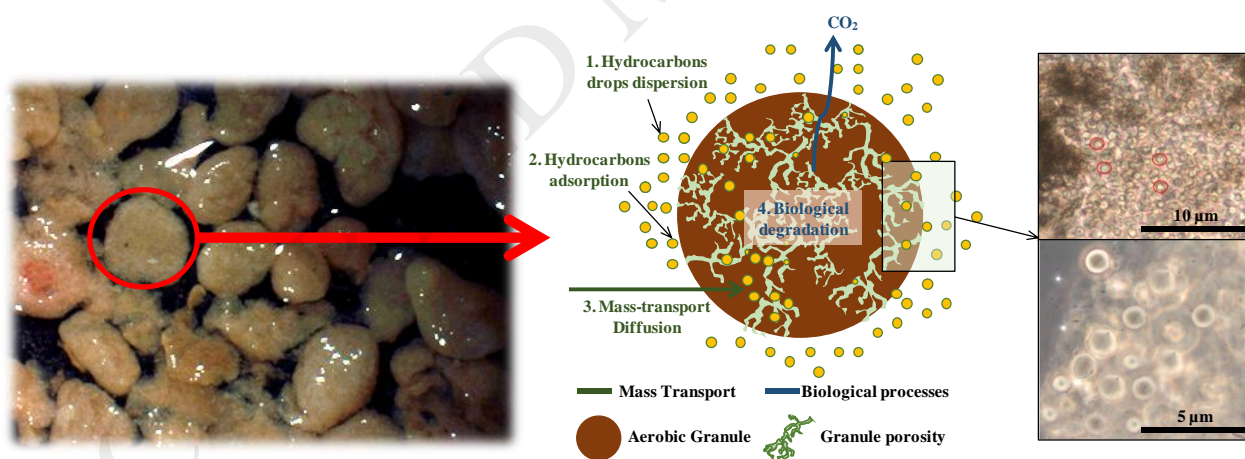
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Graphical abstract



Highlights

- The hydrocarbon removal in a granular sludge reactor was evaluated.
- Excellent efficiencies in terms of COD (>90%) and TPH (>80-90%) were achieved.
- Adsorption and degradation processes were involved in hydrocarbon removal.
- AGS instability was observed with increasing in TPH loading.

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