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# Bacterial community succession and degradation patterns of hydrocarbons in seawater at low temperature

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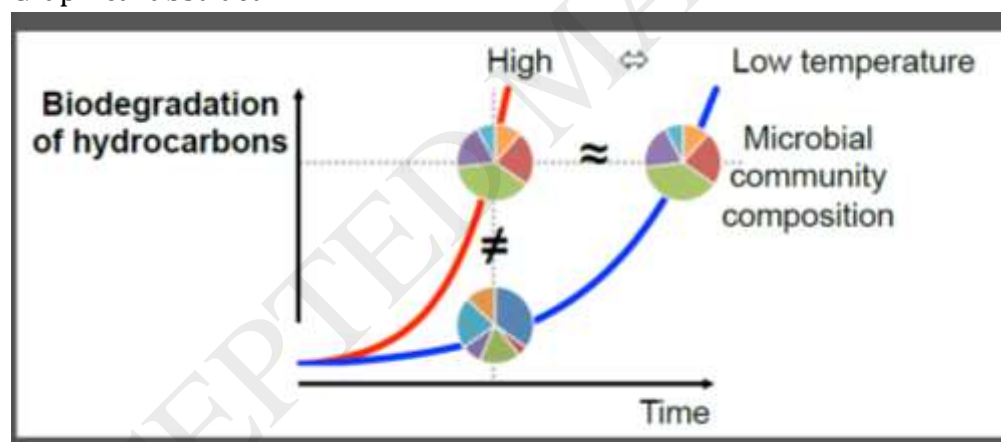
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Graphical abstract



## Highlights

- Metagenomic and chemometric study on hydrocarbon biodegradation at low temperature
- Biodegradation and microbial community investigated as a function of mineralisation
- Relative stronger degradation of water-soluble alkanes and PAHs at low temperature
- Classification of psychrophilic, psychrotolerant and psychrosensitive taxa
- Delayed microbial community succession and degradation patterns at low temperature

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