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Impact of pyrene and cadmium co-contamination on prokaryotic community in coastal sediment microcosms

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1 **Impact of pyrene and cadmium co-contamination on prokaryotic community in coastal**
2 **sediment microcosms**

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21 **Highlights**

- 22 ● We investigated the interaction of Pyr and Cd in marine benthic prokaryotes.
- 23 ● Interaction of Pyr and Cd in α -diversity was temporally- and dose-dependent.
- 24 ● Interaction of Pyr and Cd altered successional trajectory of prokaryotes.
- 25 ● A pioneer *Cycloclasticus* OTU persistently showed a strong correlation with Pyr.

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