## Accepted Manuscript

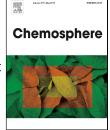
Effect of Fenton pre-oxidation on mobilization of nutrients and efficient subsequent bioremediation of crude oil-contaminated soil

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## Highlights

Low concentration of  $H_2O_2$  and  $Fe^{2+}$  resulted in highly matching between nutrient and population of residual indigenous bacteria.

The activity of indigenous bacteria was enhanced under highly matching condition.

The nutrients were mobilized faster at highly matching condition.

Highly matching between nutrient and population of residual indigenous bacteria improved bioremediation of total petroleum hydrocarbon (TPH).

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