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Evaluation of the efficiency of polyethylenimine as flocculants in the removal of oil present in produced water

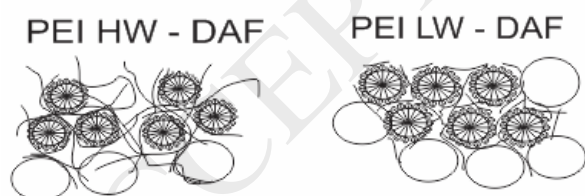
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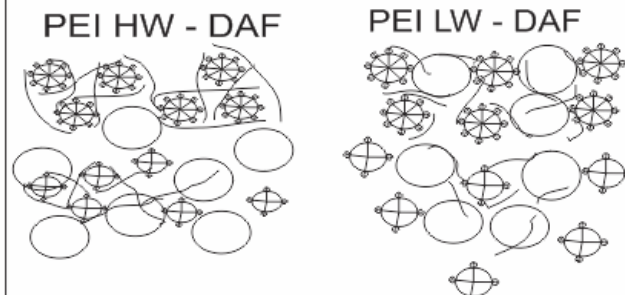
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Graphical abstract



High Concentration of SDBS:

PEI HW and PEI LW flocs show turbulence resistance



Medium and Low Concentration of SDBS:

Only PEI HW flocs show some resistance under turbulence. PEI LW flocs are broken

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