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Microbial decolorization and detoxification of emerging environmental pollutant: cosmetic Hair dyes

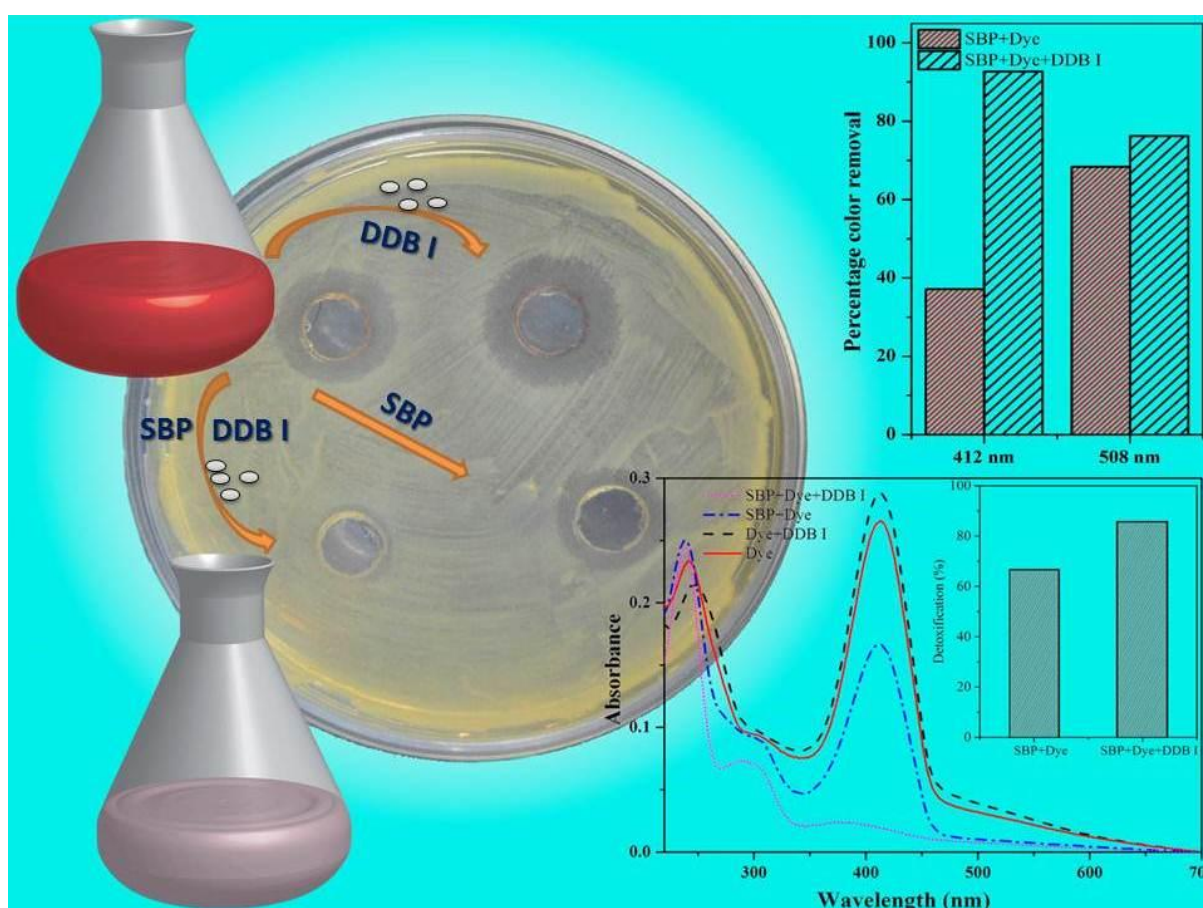
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Graphical Abstract



Highlights

- Hair dye residue can cause environmental imbalance due to presence of genotoxic compound *p*-phenylenediamine.
- Degradation of hair dye residue was achieved by soil isolate *Enterobacter cloacae*.
- Culture medium was formulated using sugarcane bagasse powder which enhanced bacterial growth and thus degradation of hair dyes.
- Mechanism of detoxification of dye was studied.

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