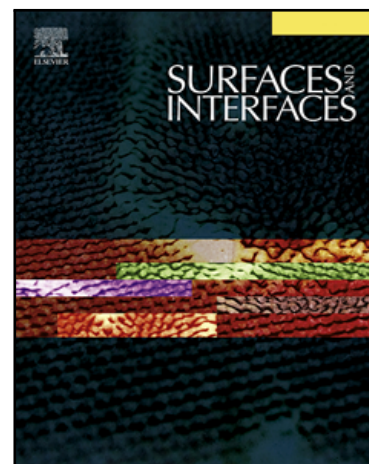


## Accepted Manuscript

Biosorption characteristics of methylene blue and malachite green from simulated wastewater onto Carica papaya wood biosorbent



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## Highlights

- *Carica papaya* wood was employed for the biosorption of methylene blue and malachite green.
- Biosorbent was characterized using FE-SEM, XRD, and FT-IR.
- Biosorption capacity was in the order of MG (52.63 mg/g) > MB (32.25 mg/g).
- Effect of NaCl strength and regeneration studies was performed.
- Negative values of Gibbs free energy change suggested spontaneous nature of the biosorption process.

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