

Effective Removal of Methylene Blue from Simulated Wastewater Using ZnO-Chitosan Nanocomposites: Optimization, Kinetics, and Isotherm Studies

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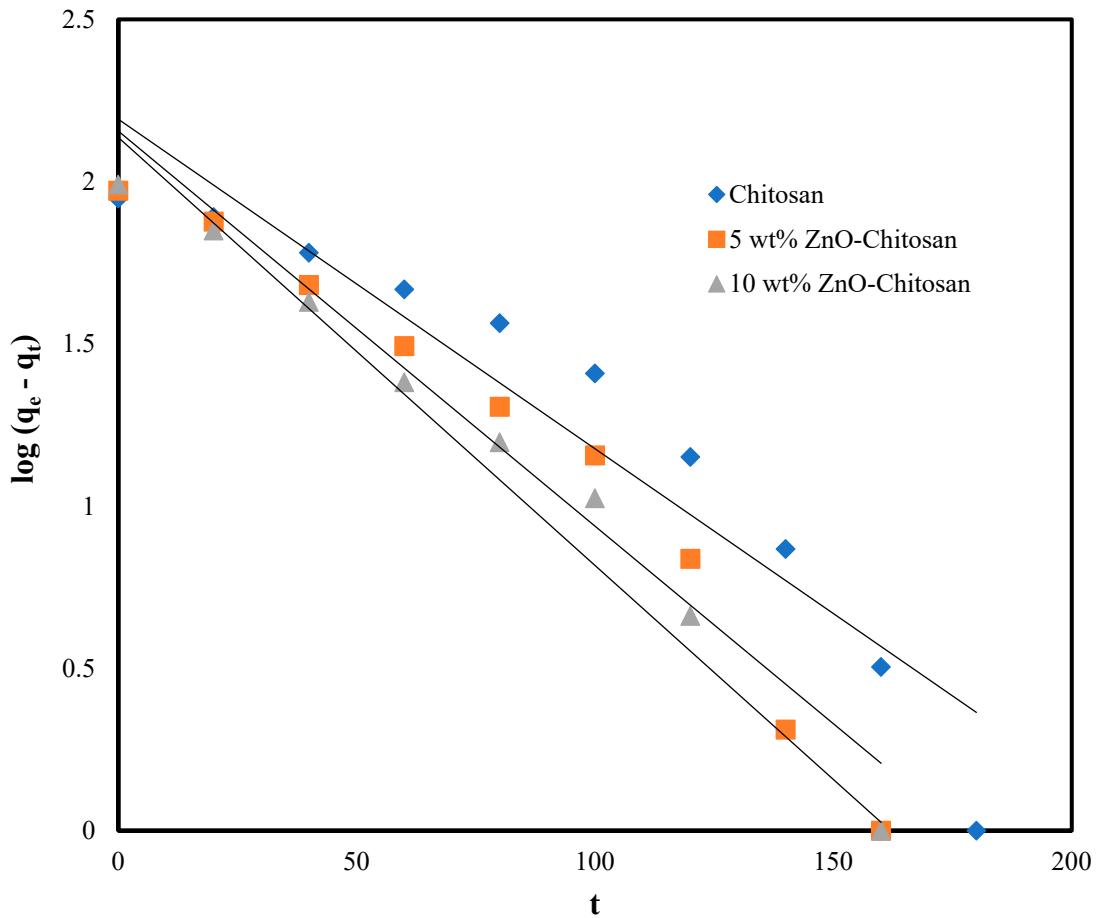


Figure S1. Pseudo-first order model plot for methylene blue adsorption onto chitosan and the nanocomposites.

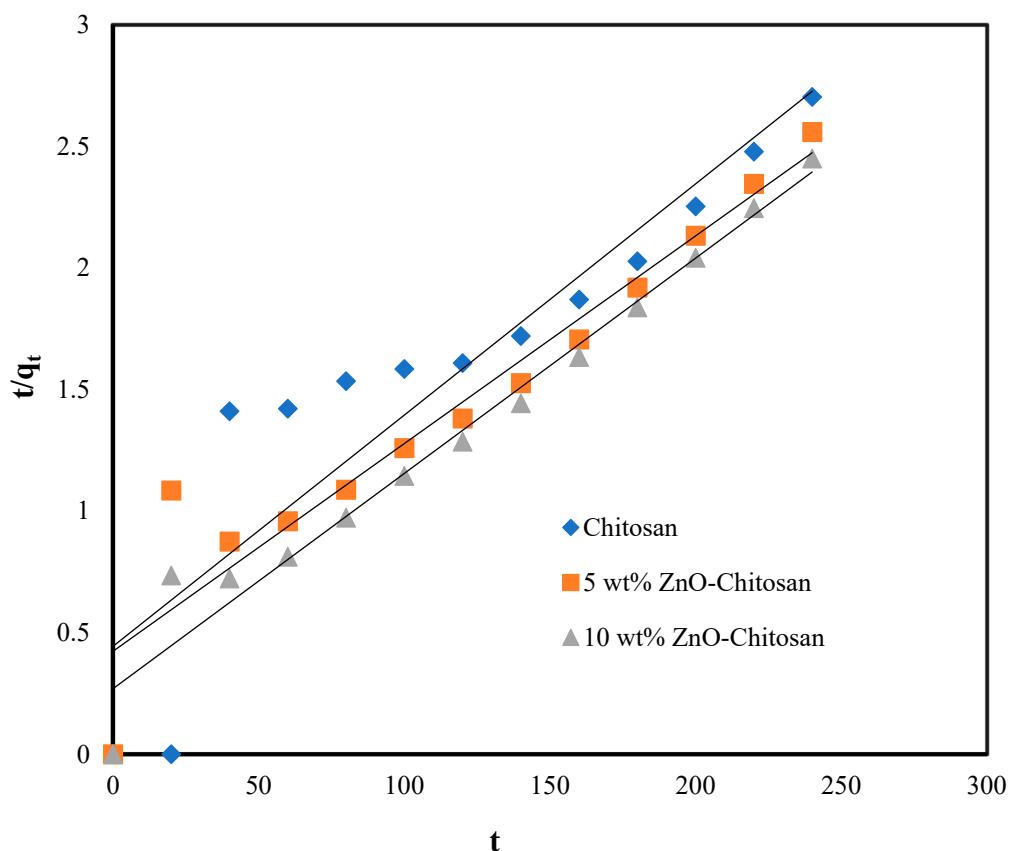


Figure S2. Pseudo-second order model plot for methylene blue adsorption onto chitosan and the nanocomposites.

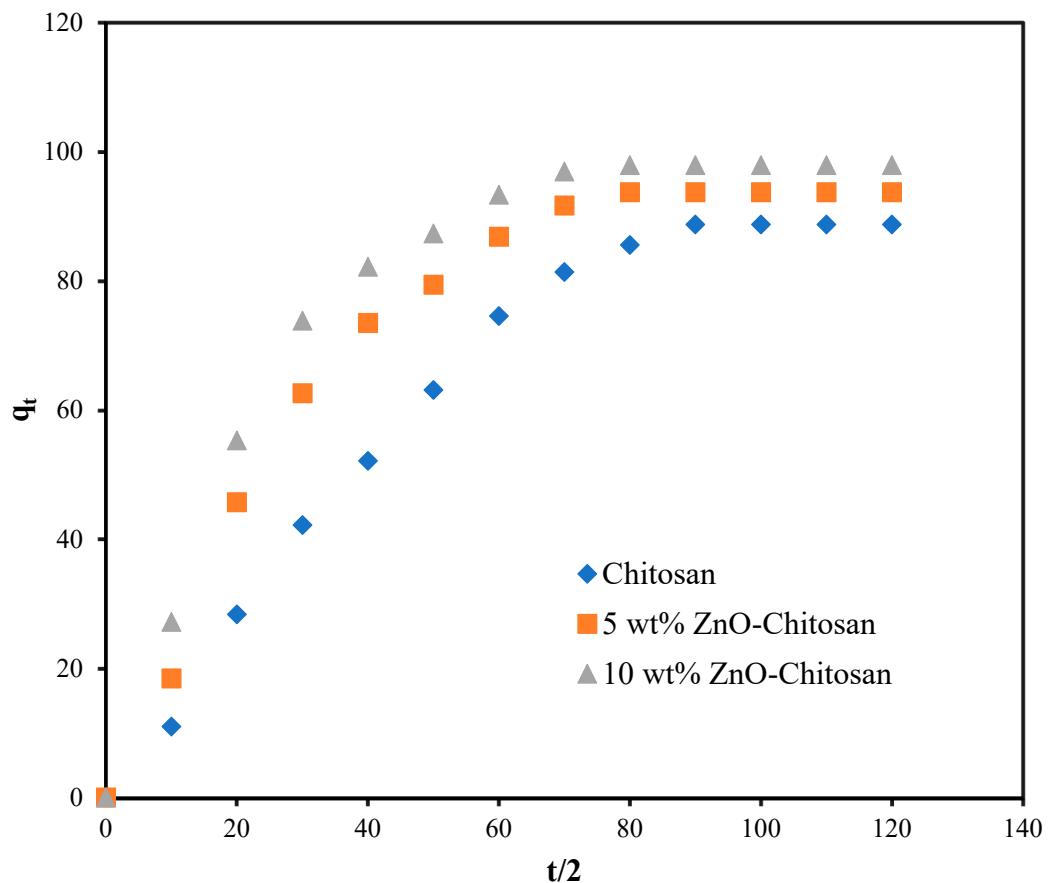


Figure S3. Intraparticle adsorption model plot for methylene blue adsorption onto chitosan and the nanocomposites.

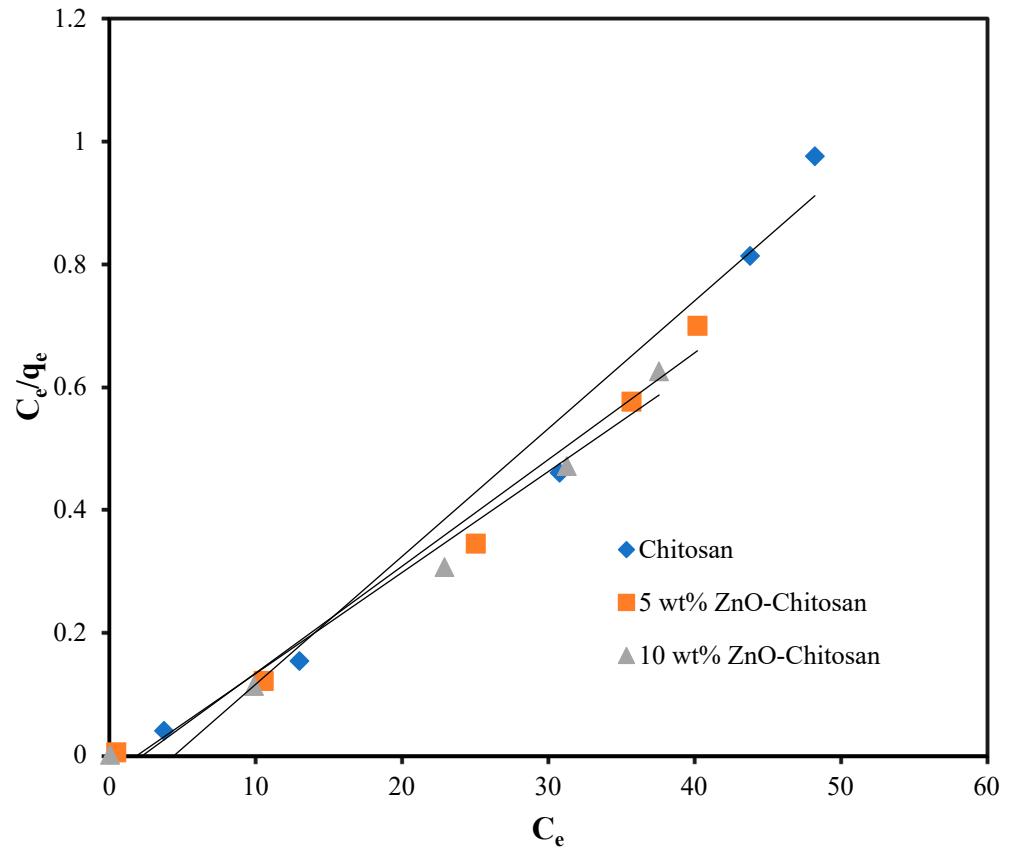


Figure S4. Langmuir isotherm model plot for methylene blue adsorption onto chitosan and the nanocomposites.

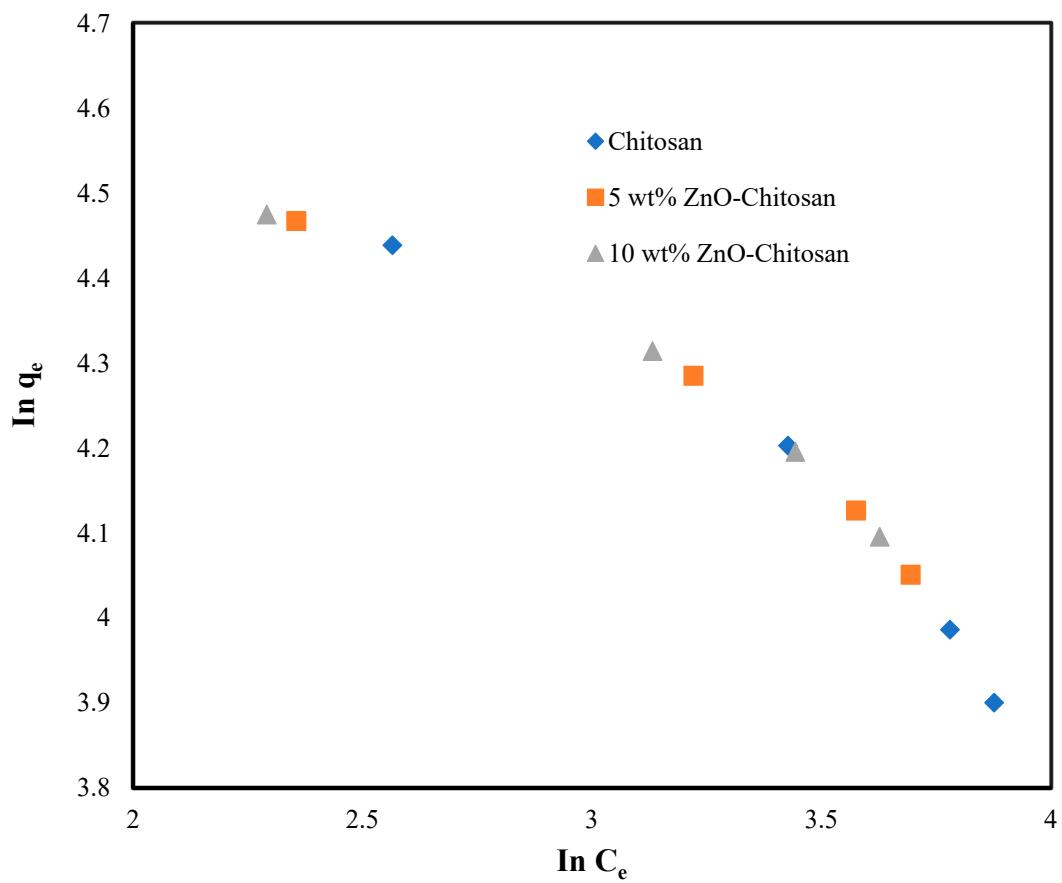


Figure S5. Freundlich isotherm model plot for methylene blue adsorption onto chitosan and the nanocomposites.

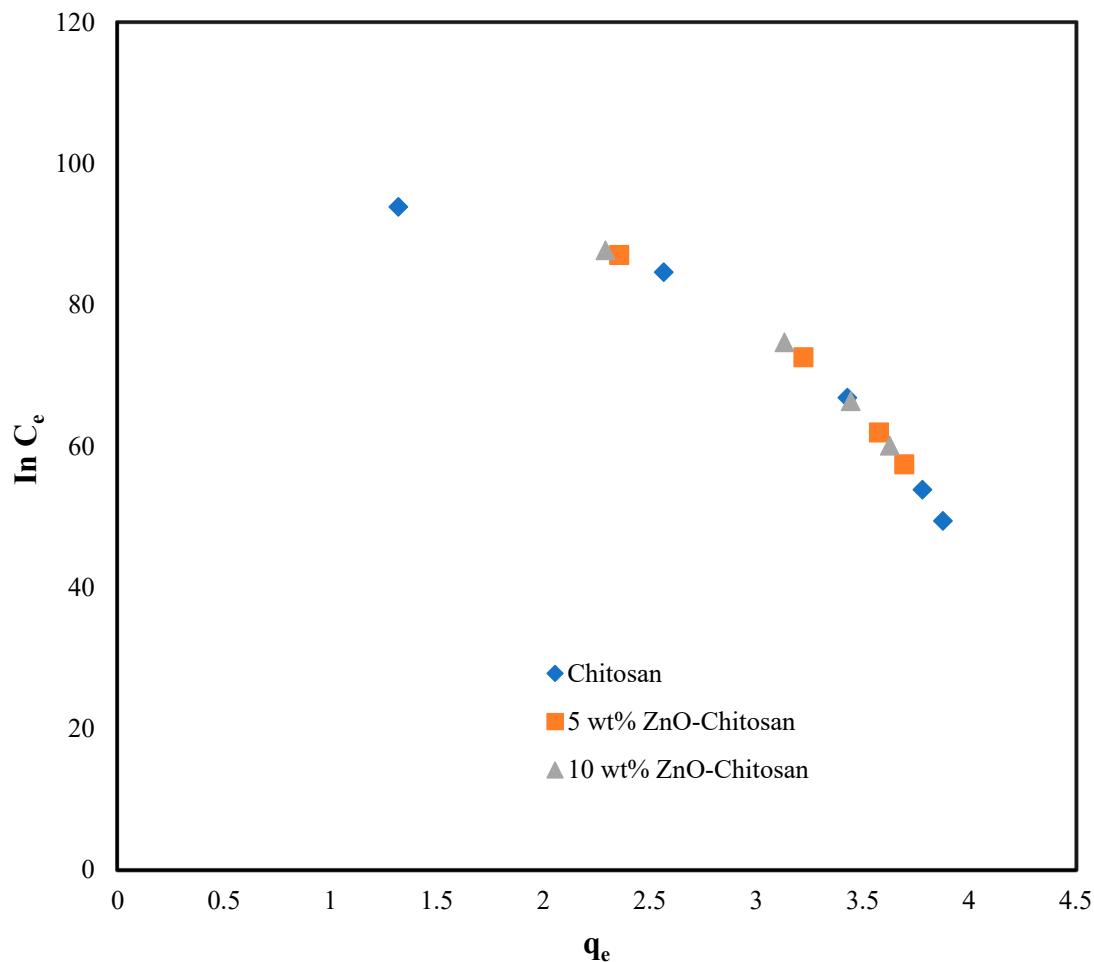


Figure S6. Temkin isotherm model plot for methylene blue adsorption onto chitosan and the nanocomposites.