

**Response surface optimization for cadmium biosorption onto the pre-treated biomass of red algae *Digenia simplex* as a sustainable indigenous biosorbent**  
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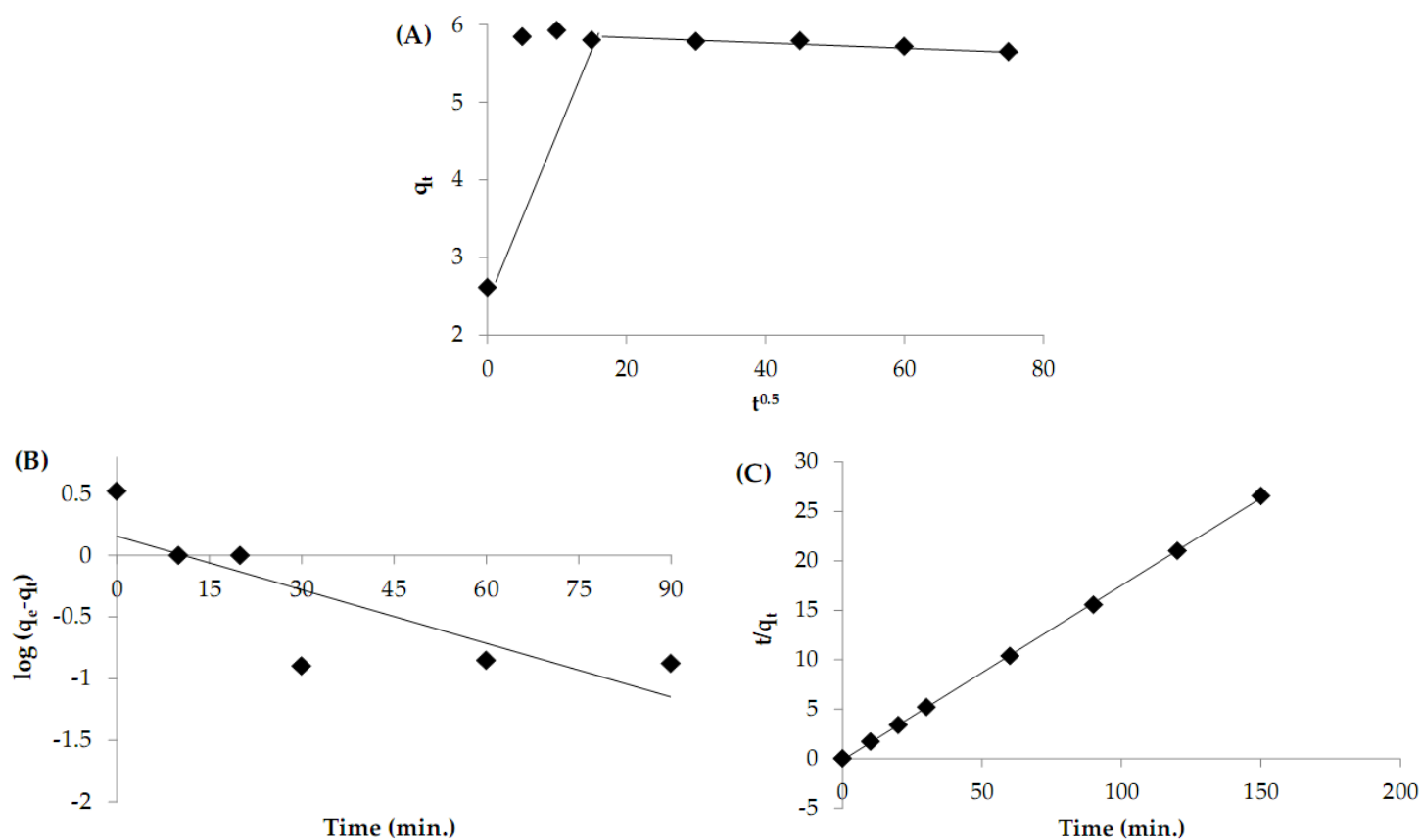
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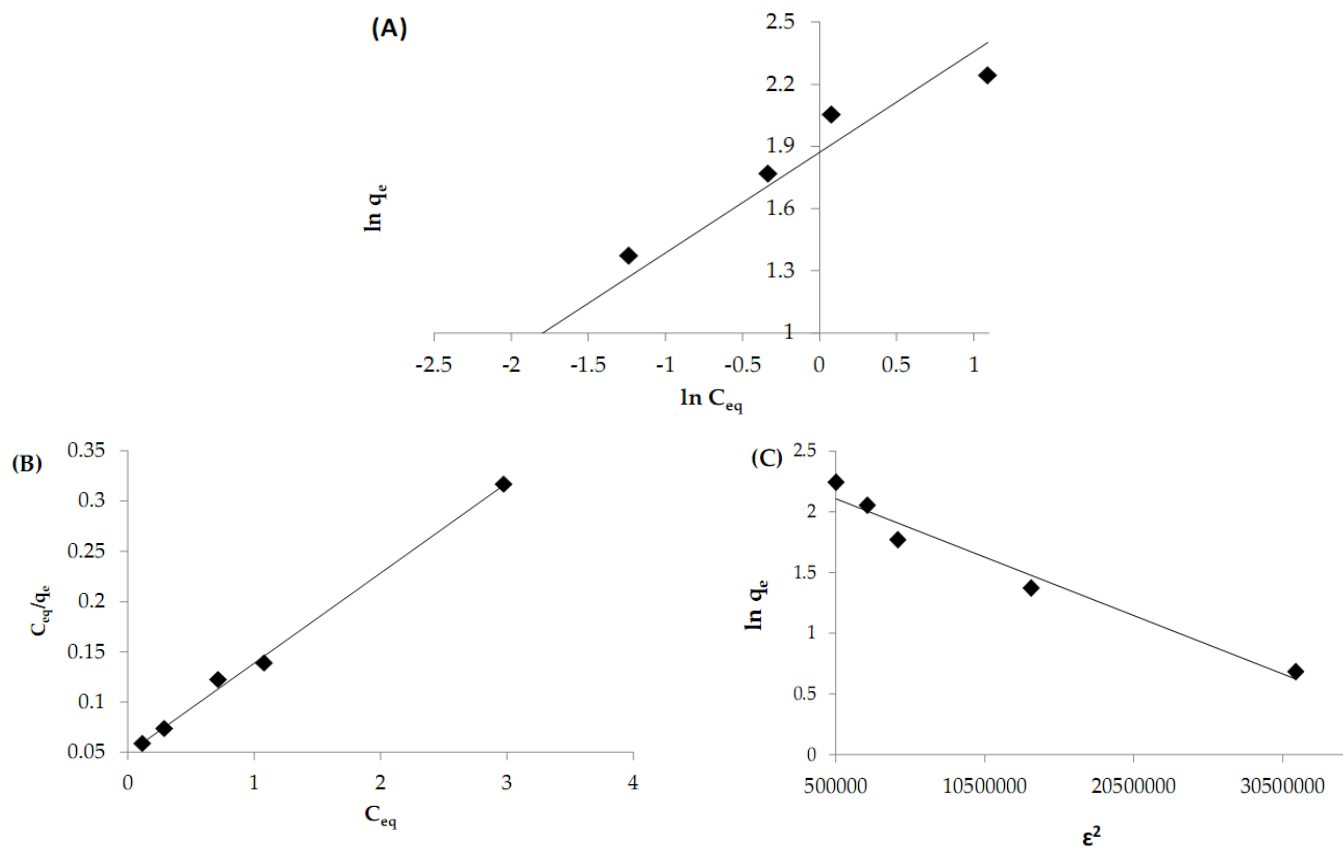
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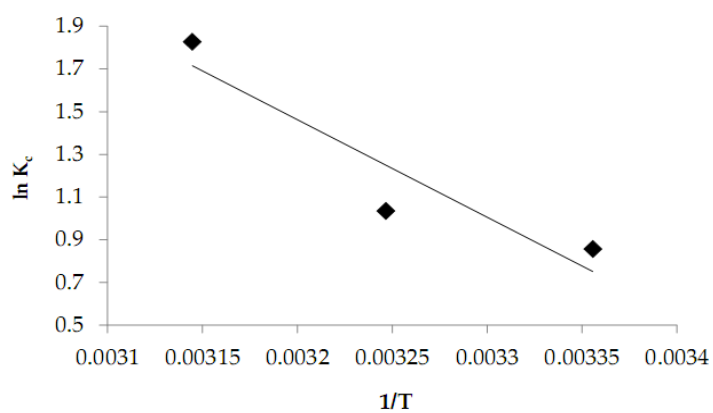
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**Figure S1.** Graphs of A) intra-particle, B) pseudo-first-order, and C) pseudo-second-order kinetic models for  $\text{Cd}^{2+}$  ions biosorption on DSC biosorbent.



**Figure S2.** Graphs of A) Freundlich, B) Langmuir, and C) D-R adsorption isotherms models for  $\text{Cd}^{2+}$  ions biosorption on DSC biosorbent.



**Figure S3.** Plot of  $\ln K_c$  versus  $1/T$  for  $\text{Cd}^{2+}$  ions biosorption on DSC biosorbent.