**Supplementary material to**

**Removal of the herbicide 2,4-dichlorophenoxyacetic acid from water by using an ultrahighly efficient** **thermochemically activated carbon**

Danijela V. Bojić, Miloš M. Kostić\*, Miljana D. Radović Vučić, Nena D. Velinov, Slobodan M. Najdanović, Milica M. Petrović, Aleksandar Lj. Bojić

Department of Chemistry, Faculty of Science and Mathematics, University of Niš, Višegradska 33, 18 000 Niš, Serbia

\*Corresponding author: Miloš Kostić

Tel.: +381 63 484475; fax: +381 16 260 437.

*E-mail address:* mk484475@gmail.com, milos.kostic@pmf.edu.rs

*Postal address:* University of Niš, Department of Chemistry, Faculty of Sciences and Mathematics, Višegradska 33, 18 000 Niš, Serbia

****

**Figure S1.***The applied kinetic models for sorption of 2,4-D onto LVAC for different concentrations: a) 50 mg/dm3, b) 100 mg/dm3, c) 200 mg/dm3, d) 300 mg/dm3, e) 400 mg/dm3 and f) 500 mg/dm3.*



**Figure S2.** *Sorption isotherms of 2,4-D onto LVAC for different models: Langmuir, Freundlich, Sips, and Brouers – Sotolongo isotherm models.*