water

MDPI

Article

Removal of Phenolic Compounds from Olive Mill Wastewater by a polydimethylsiloxane/oxMWCNTs Porous Nanocomposite

Antonio Turco [1,2,*] and Cosimino Malitesta [1,*]

[1] Department of Biological and Environmental Sciences and Technologies (Di.S.Te.B.A.), University of Salento, Via Monteroni, 73100 Lecce, Italy
[2] CNR-NANOTEC Institute of Nanotechnology, Via Monteroni, 73100 Lecce, Italy
* Correspondence: antonio.turco@nanotec.cnr.it (A.T.); cosimino.malitesta@unisalento.it (C.M.)

Received: 13 November 2020; Accepted: 7 December 2020; Published: date

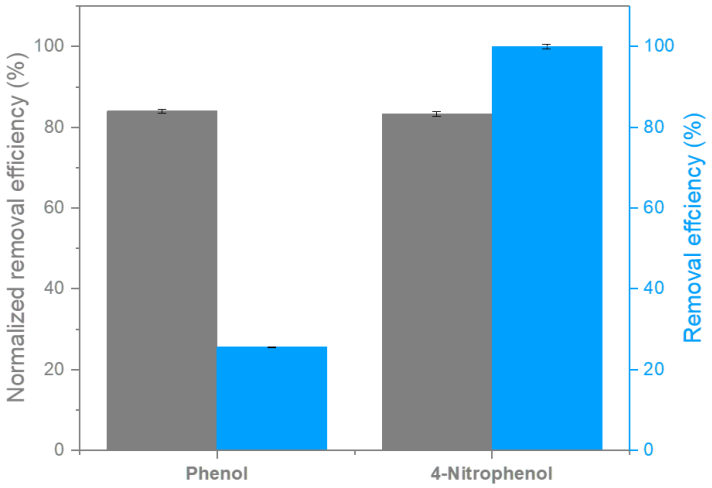

Figure 1. Normalized removal efficiency % data to 0–1 range on the maximal value after 4 hours of the uptake process (gray) and removal efficiency % at equilibrium (blue) for an aqueous solution of phenol and 4-nitrophenol.

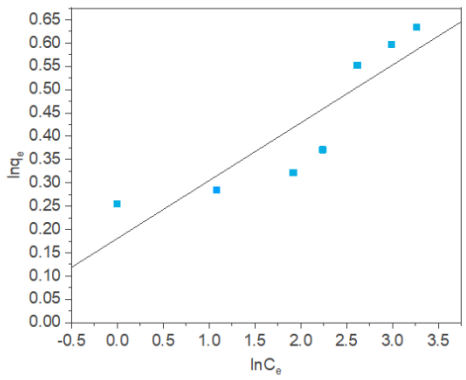

Figure 2. Fitting of experimental data with linearized Freundlich isotherm model for phenols in OMW (R^2 = 0.8).