

Supplementary Information

Comparative Analysis of Composition and Porosity of the Biogenic Powder Obtained from Wasted Crustacean Exoskeletons after Carotenoids Extraction for the Blue Bioeconomy

Fran Nekvapil ^{1,2,3}, Maria Mihet ², Geza Lazar ^{1,3}, Simona Cîntă Pinzaru ^{1,3}, Ana Gavrilović ⁴, Alexandra Ciorîță ^{2,5}, Erika Levei ⁶, Tudor Tamaș ⁷ and Maria-Loredana Soran ^{2,*}

¹ Ioan Ursu Institute, Babeș-Bolyai University, 1 Kogălniceanu, 400084 Cluj-Napoca, Romania; fran.nekvapil@ubbcluj.ro (F.N.); geza.lazar@ubbcluj.ro (G.L.); simona.pinzaru@ubbcluj.ro (S.C.P.)

² National Institute for Research and Development of Isotopic and Molecular Technologies, 67-103 Donat, 400293 Cluj-Napoca, Romania; maria.mihet@itim-cj.ro (M.M.); alexandra.ciorita@itim-cj.ro (A.C.)

³ RDI Institute of Applied Natural Sciences, Babeș-Bolyai University, Fântânele 30, 400327 Cluj-Napoca, Romania

⁴ University of Zagreb, Faculty of Agriculture, Svetošimunska 25, 10000 Zagreb, Croatia; ana.gavrilovic@unipu.hr

⁵ Electron Microscopy Center, Babeș-Bolyai University, 5-7 Clinicilor, 400006 Cluj-Napoca, Romania;

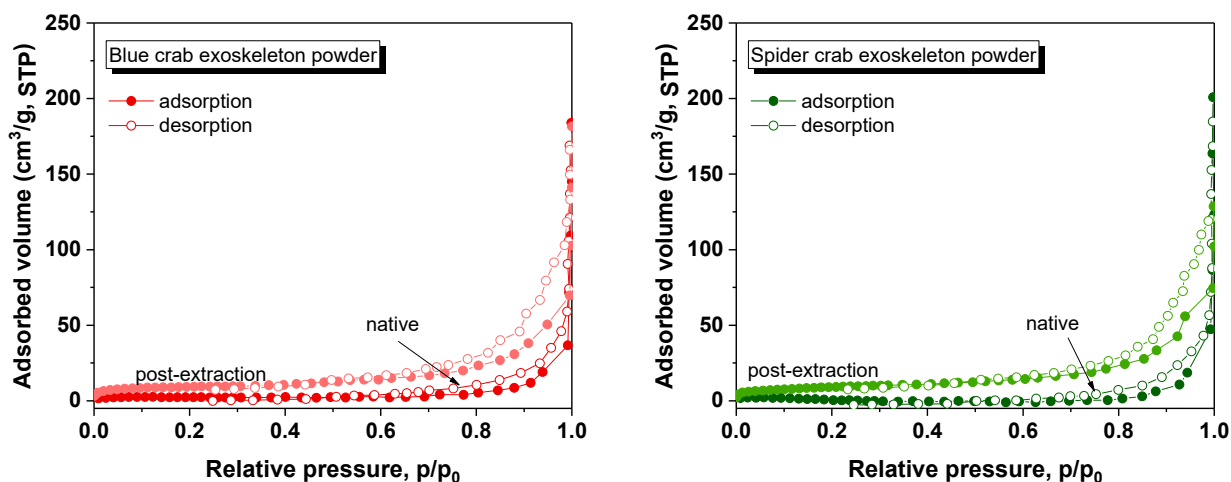
⁶ INCDO-INOE 2000, Research Institute for Analytical Instrumentation, 67 Donat, 400296 Cluj-Napoca, Romania; erika.levei@icia.ro

⁷ Department of Geology, Babeș-Bolyai University, 1 Kogălniceanu, 400084 Cluj-Napoca, Romania; tudor.tamas@ubbcluj.ro

* Correspondence: loredana.soran@itim-cj.ro

Content:

Figure S1



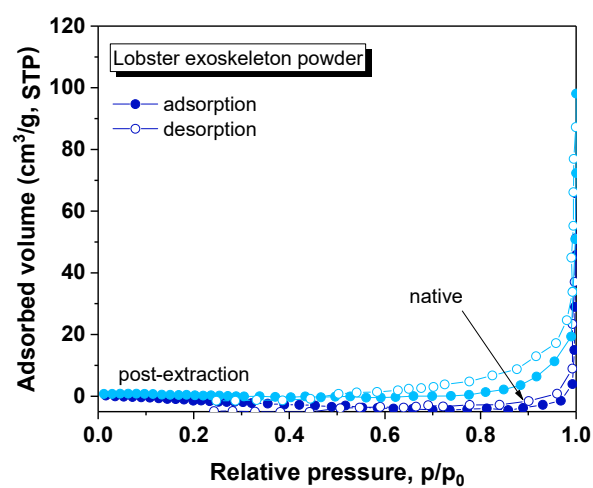


Figure S1. N₂ adsorption-desorption isotherms of the native and post-extraction blue crab (*Callinectes sapidus*), spider crab (*Maja squinado*), and spiny lobster (*Palinurus elephas*) exoskeleton powder.