

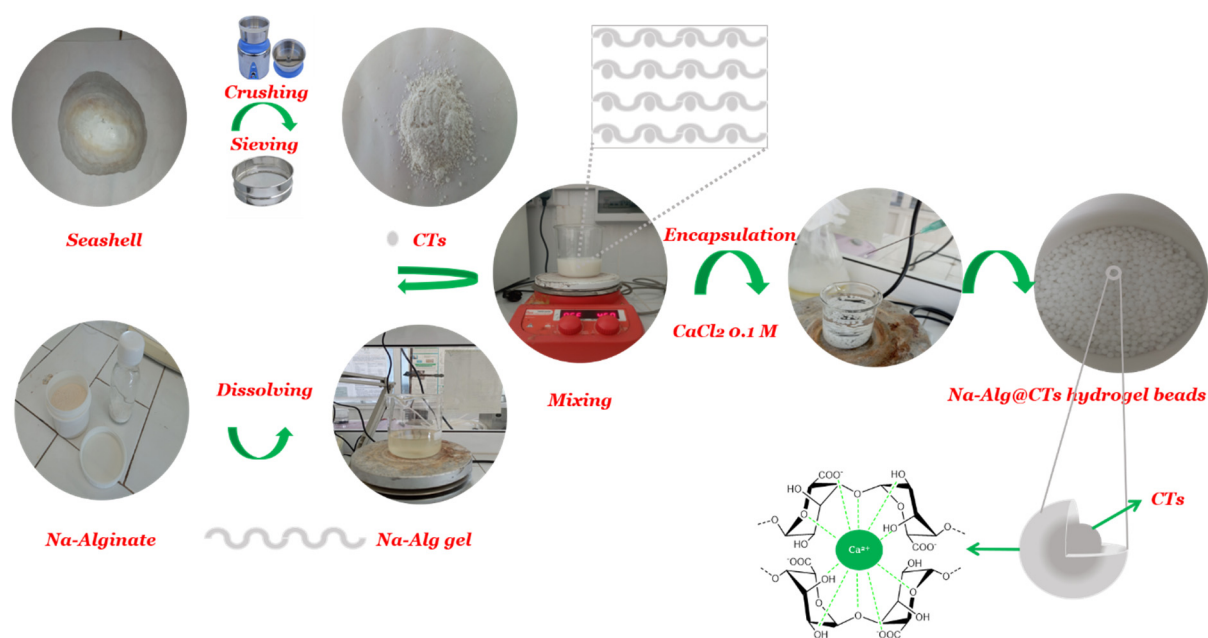
# Eco-Friendly Hydrogel Beads from Seashell Waste for Efficient Removal of Heavy Metals from Water

Zaineb Mchich <sup>1</sup>, Daniela Simina Stefan <sup>2,\*</sup>, Rachid Mamouni <sup>1,\*</sup>, Nabil Saffaj <sup>1</sup> and Magdalena Bosomoiu <sup>2</sup>

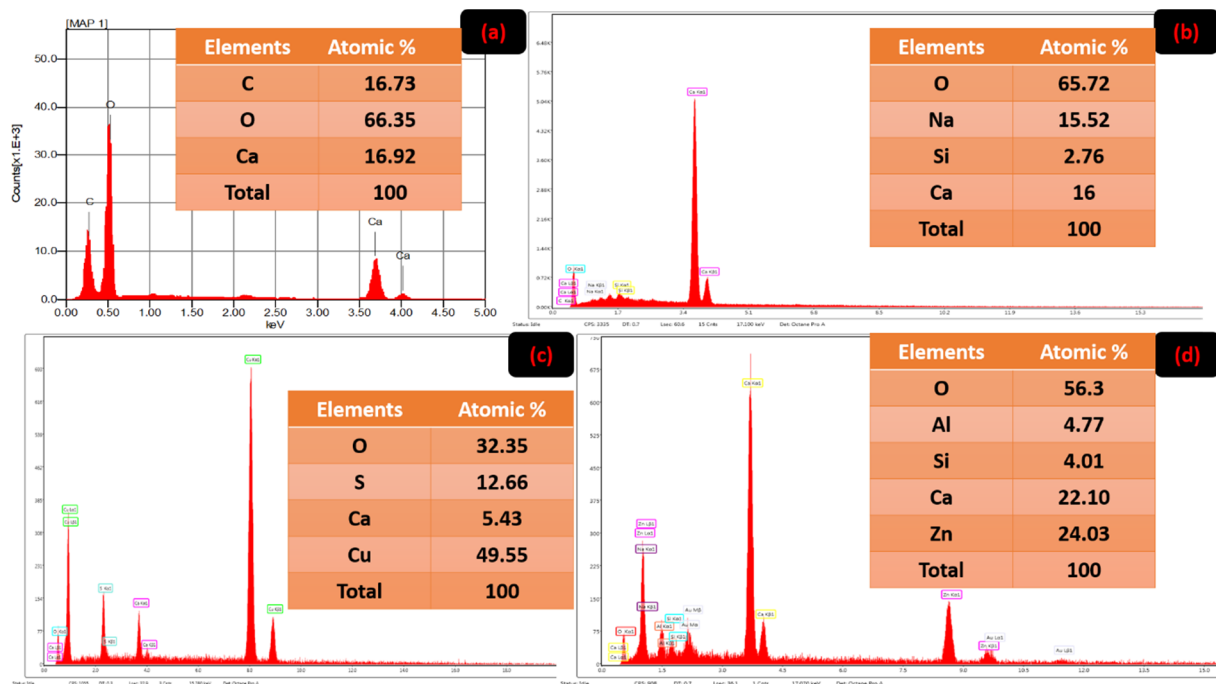
<sup>1</sup> Team of Biotechnology, Materials, and Environment, Faculty of Sciences, Ibn Zohr University, Agadir BP 8106, Morocco; zaineb.mchich@edu.uiz.ac.ma (Z.M.); n.saffaj@uiz.ac.ma (N.S.)

<sup>2</sup> Department of Analytical Chemistry and Environmental Engineering, Faculty of Chemical Engineering and Biotechnologies, National University of Science and Technology Politehnica of Bucharest, 1-7 Polizu Street, 011061 Bucharest, Romania; magdalena.bosomoiu@upb.ro

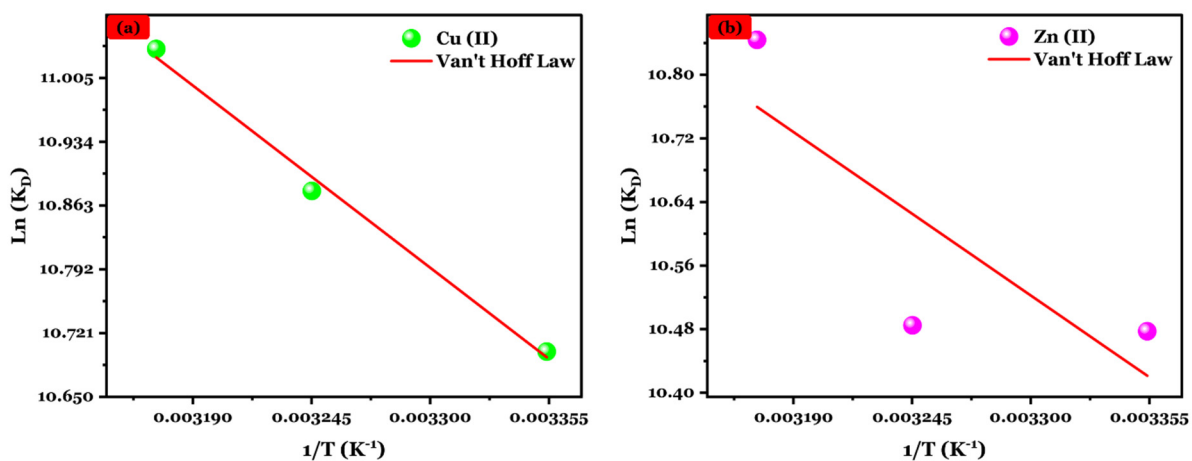
\* Correspondence: daniela.stefan@upb.ro (D.S.S.); r.mamouni@uiz.ac.ma (R.M.)



**Figure S1:** Preparation protocol of Na-Alg@CTs hydrogel beads.



**Figure S2:** EDS spectrum of (a) CTs, (b) Na-Alg@CTs hydrogel beads, (c) Cu-Na-Alg@CTs, and (d) Zn-Na-Alg@CTs.



**Figure S3:** van't Hoff law for (a) Cu (II) and (b) Zn (II) uptakes on Na-Alg@CTs hydrogel beads.