

Supporting information

Eco-efficient green seaweed *Codium decorticaum* biosorbent for textile dyes: Characterization, mechanism, recyclability and RSM optimization

Hicham Abou Oualid ^a, Youness Abdellaoui ^b, Mohamed Laabd ^{c,*}, Mahmoud El Ouardi ^{a,d},

Younes Brahmi ^e, Mohamed Iazza ^f, Jaouad Abou Oualid ^f

^a *Laboratory of Biotechnology, Materials and Environment, Faculty of Sciences, Ibn Zohr University, Agadir, Morocco. Email: h.abououalid@gmail.com*

^b *Faculty of Engineering, Environmental Engineering Department, Autonomous University of Yucatan, Mexico*

^c *Laboratory of Materials and Environment, Faculty of Sciences, Ibn Zohr University, Agadir, Morocco.*

^d *Faulty of Applied Sciences, Ibn Zohr University, B.P 86150, Ait Melloul, Morocco.*

^e *Materials Science and Nanoengineering Department, Mohamed VI Polytechnic University, B.P 43150, Benguerir, Morocco.*

^f *Laboratory of Aquatic Ecosystems: Marine and Continental (AQUAMAR), Faculty of Sciences, Ibn Zohr University, PO Box 8106, Dakhla, Agadir, Morocco*

*Corresponding author: (M. Laabd) mohamed.laabd@edu.uiz.ac.ma

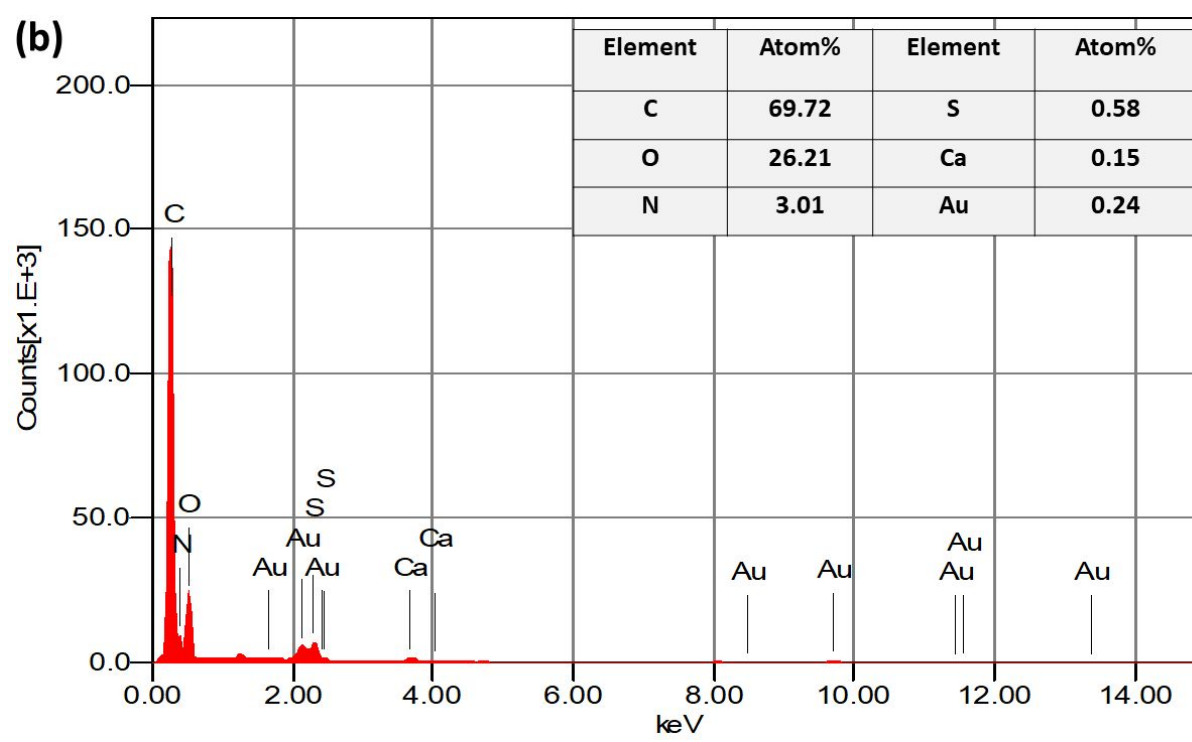
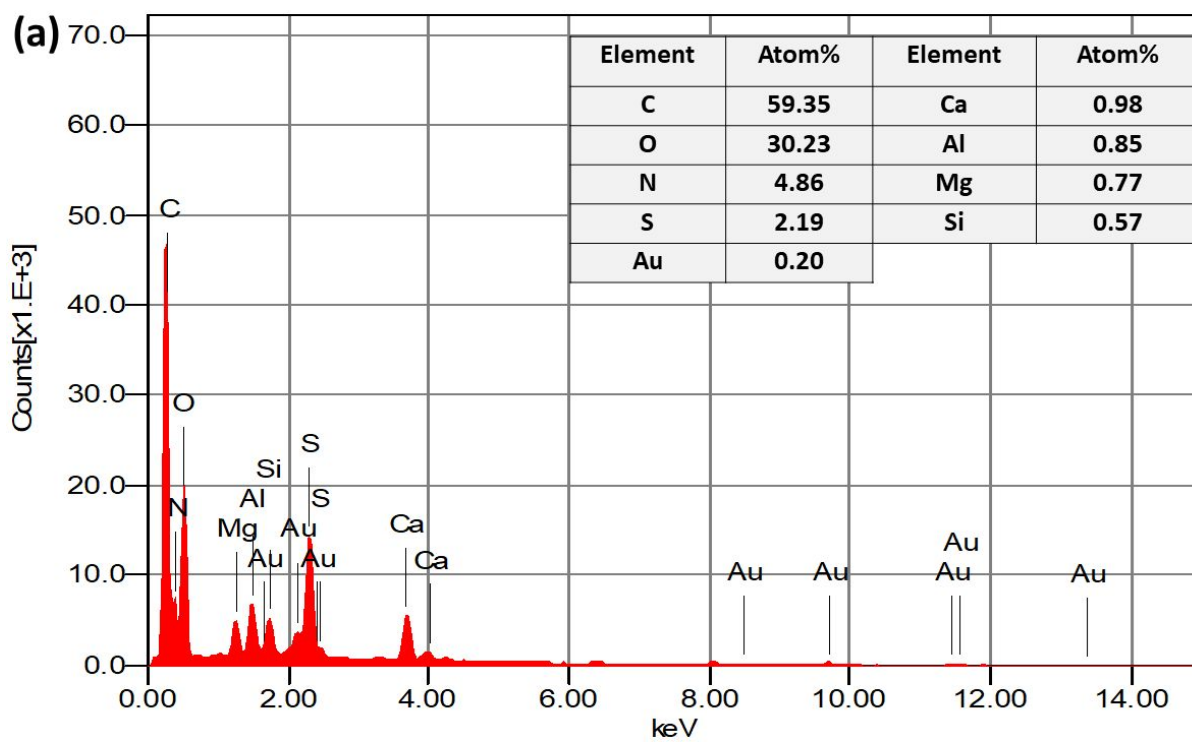


Figure S1. SEM-EDS spectra of CDA after adsorption (a) CR and (b) CV dyes.