

Green synthesis of potential magnetic-mesoporous EG-nZVI/CA-MCM-41 nanocomposite for reductive sorption of europium

Ananya Jena^a, Biswanth Mahanty^b, Deepmoni Deka^c, Prasanta Kumar Sahoo^d, Sanghamitra Pradhan^a, Prangya Ranjan Rout^e, Sujata Mishra^a, Naresh Kumar Sahoo^{a*}

^a Department of Chemistry, Environmental Science Program, (ITER), Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar-751030, Odisha, India

^b Department of Biotechnology, Karunya Institute of Technology and Sciences, Coimbatore, India

^c Center for the Environment, Indian Institute of Technology Guwahati, 781039, India

^d Environmental Hydrology Division, National Institute of Hydrology, Jalvigyan Bhawan, Roorkee 247667, India

^f Department of BioTechnology, Dr B R Ambedkar National Institute of Technology Jalandhar, India

Supplementary Materials

Table S 1 comparative evaluation of the efficiency of various adsorbent systems for the removal of Eu (III)

Adsorbent	Eu(III) capacity (mg/g)	Adsorption	References
Zeolite	24.39		[1]
Activated carbon-epoxy composite	292.62		[2]
Activated Al ₂ O ₃	133.16		[3]
MX-80 bentonite	46.06		[4]
NZVI@rGO	96.675		[5]
MnO ₂ /graphene oxide	83.5		[6]
TiO ₂ / (P (AAm-SSS))	85.7		[7]
Carboxyl functionalized Ti ₃ C ₂ Tx MXene	97.1		[8]
Crab Shell	49.5		[9]
Sr-HAP	115.74		[10]
(Mg-Cd)HAP	137.31		
EG-nZVI/CA-MCM-41	714.28		Current study

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