Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Fabrication of magnetite nanoparticles doped reduced graphene oxide grafted polyhydroxyalkanoate nanocomposite for tissue engineering application

Nilkamal Pramanik[1], Ranjan Kumar Basu[3], Jibankrishna De[4], Tanmoy Rath*[1, 2], Patit Paban Kundu*[1]

[1] Department of Polymer Science & Technology, University of Calcutta, West Bengal -700073, India,

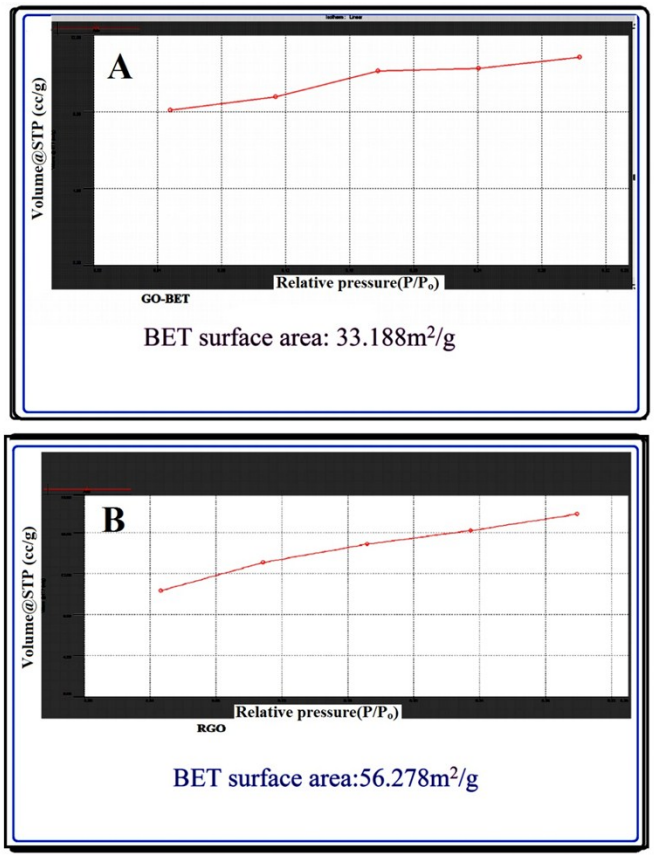
[2]Central Institute of Plastics Engineering and Technology (CIPET), Bhubaneswar-751024, India.

[3] Department of Chemical Engineering, University of Calcutta, West Bengal-700073, India.

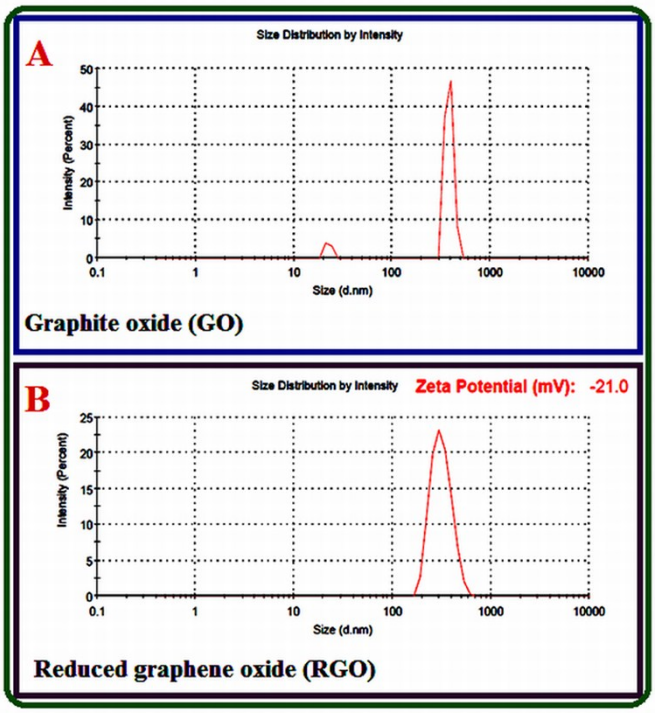
[4] Department of Radiodiagnosis, Nil Ratan Sirkar Hospital and Medical College, West Bengal-700014, India.

*Corresponding author, **E mail**: ppk923@yahoo.com; tanmayrath@gmail.com

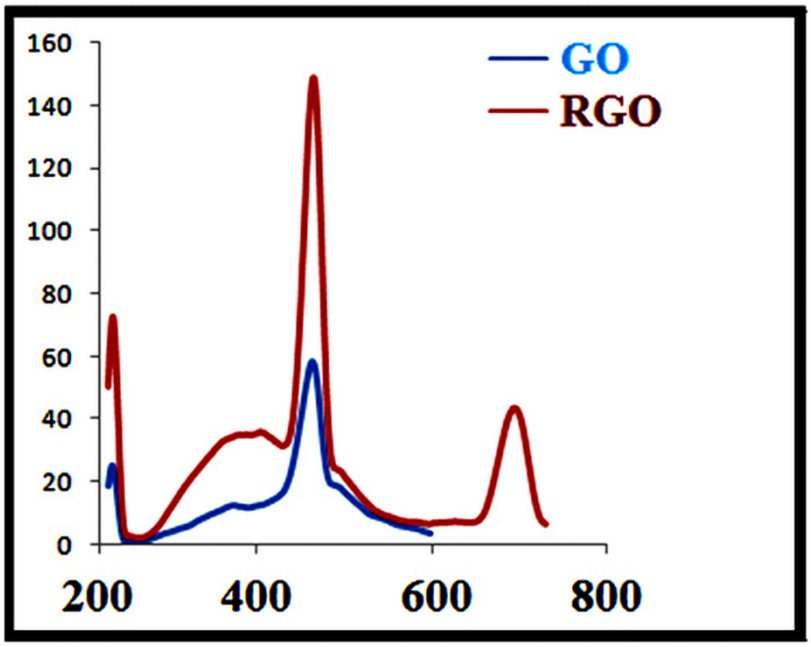
Phone and fax: 91-33-2352-5106.



ESI Figure 1: BET analysis of graphite oxide (A) and reduced graphene oxide (B).



ESI Figure 2: Particles size analysis of graphite oxide (A) and reduced graphene oxide (B).



ESI Figure 3: Fluorescence spectra of graphite oxide and reduced graphene oxide.