

Multifunctional and self-healable conductive IPN hydrogels functionalized with reduced magnetite graphene oxide for advanced flexible all in one solid state supercapacitor

Tanzil ur Rehman, Luqman Ali shah* and Mansoor Khan

Polymer Laboratory, National Centre of Excellence in Physical Chemistry, University of

Peshawar, Peshawar 25120 Pakistan

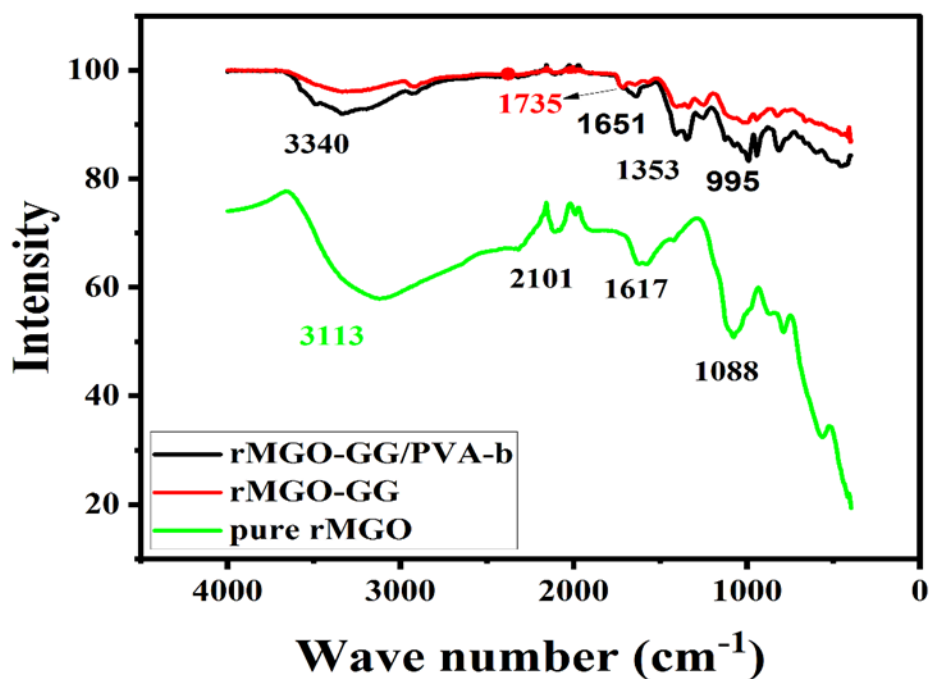


Figure S1. FTIR spectra of rMGO-GG/PVA-b, rMGO-GG and pure rMGO

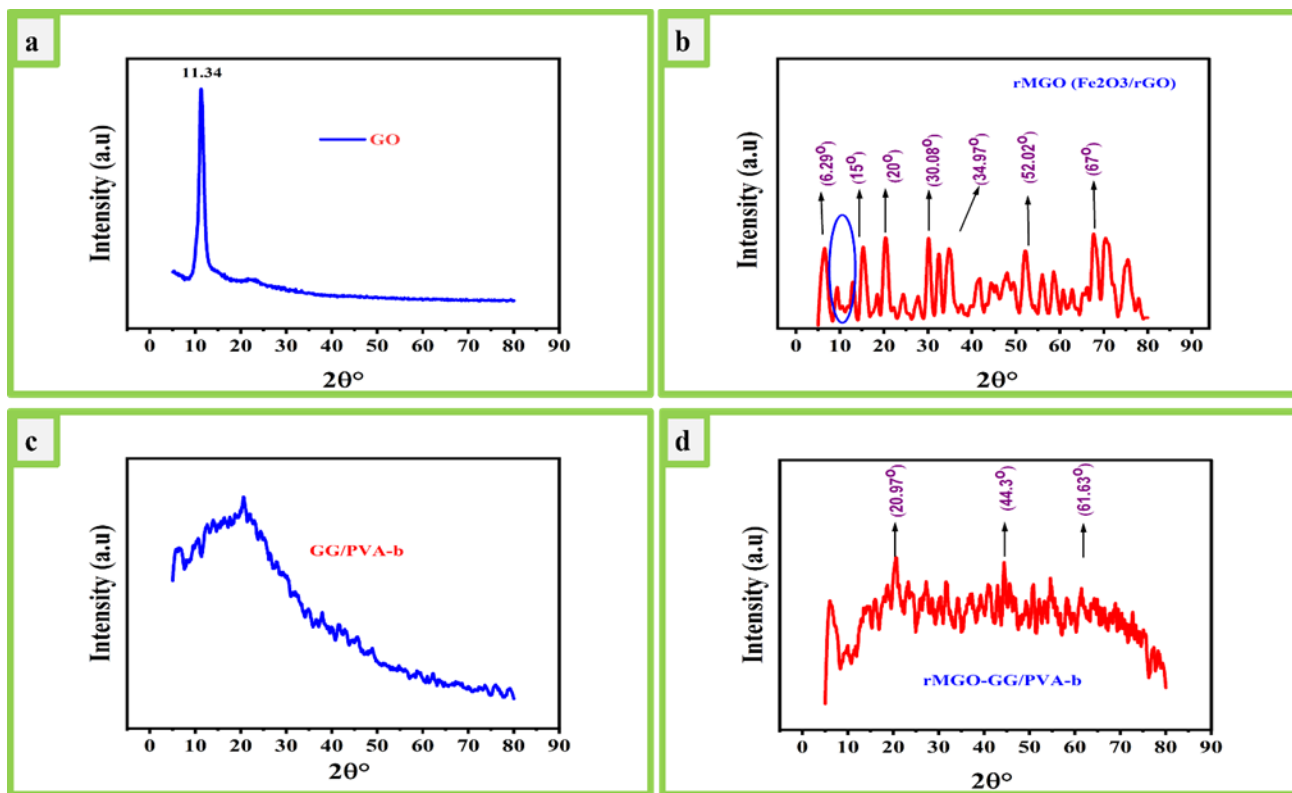


Figure S2. XRD analysis and pattern of a) GO, b) rMGO, c) GG-PVA-b and d) rMGO-GG/PVA-b

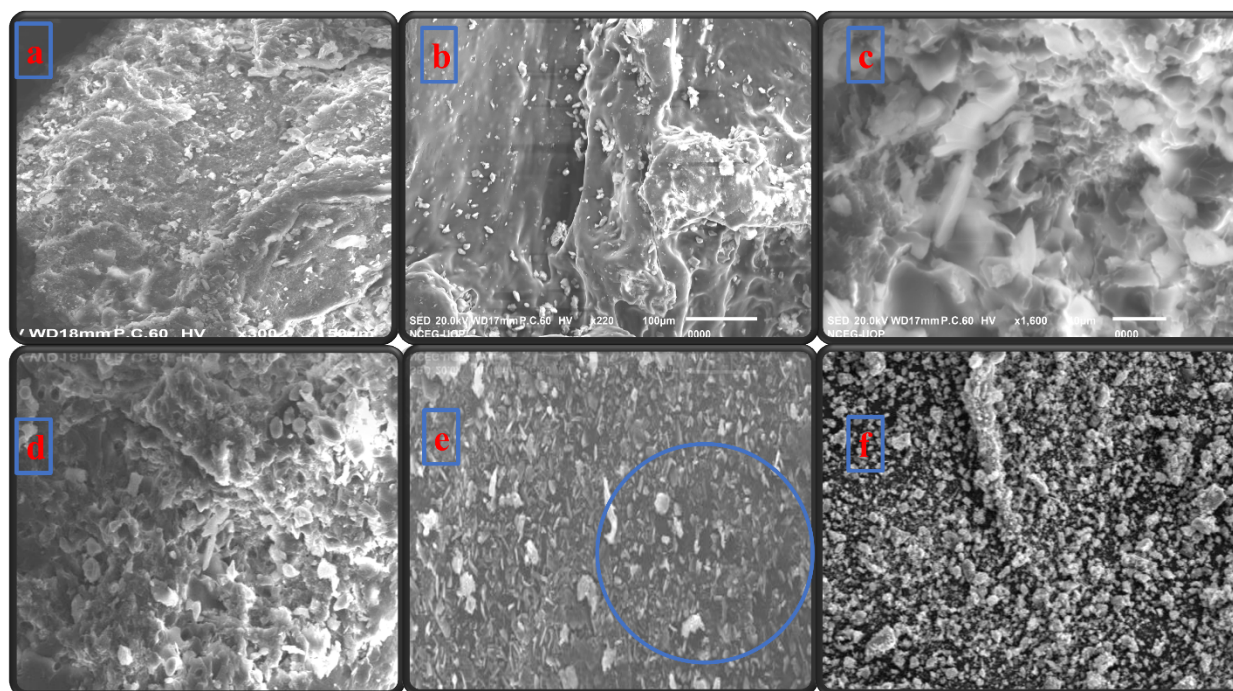


Figure S3. SEM images of GG-PVA (a and b at 50 and 10 μm) while rMGO-GG/PVA-b2 (c,d and e at 50 μm) and f) rMGO at 50 μm resolution.