Electronic Supplementary Material (ESI) for New Journal of Chemistry. This journal is © The Royal Society of Chemistry and the Centre National de la Recherche Scientifique 2023

Tough, anticorrosive hydrogel consisting of bio-friendly resources for

conductive and electromagnetic shielding materials

Yuhuan Xu¹, Meng Pei¹, Jingyu Du¹, Renyuan Yang¹, Yong Pan¹, Daohai

Zhang¹²*,Shuhao Qin¹²*

1. School of Chemical Engineering of Guizhou Minzu University, Guizhou, Guiyang

550025;

2. National Engineering Research Center for Compounding and Modification of

Polymer Materials, Guizhou, Guiyang, 550014

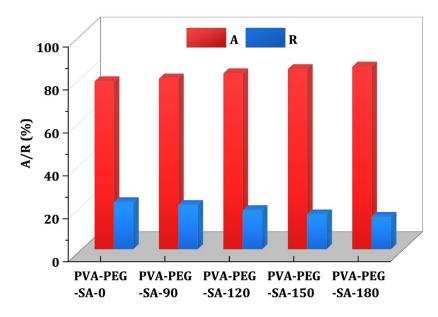


Fig. S1. The R-A coefficient of PVA-PEG-SA hydrogels.

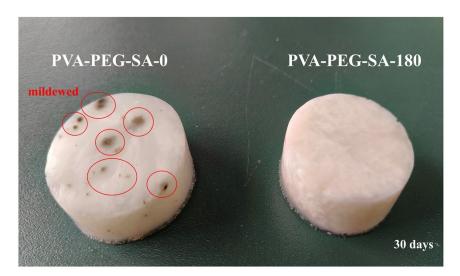


Fig. S2. The representative photographs of PVA-PEG-SA-0 hydrogel and PVA-PEG-SA-180 hydrogel store changes 30 days.

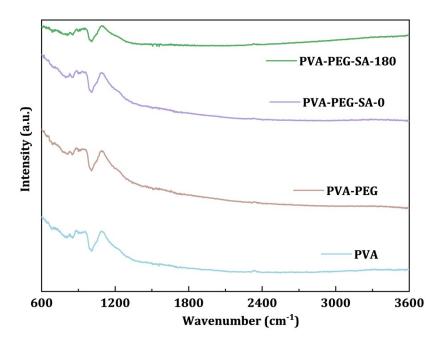


Fig. S3. FTIR spectra of different composition of PVA-PEG-SA hydrogels