

Supporting Information

Fabrication of Sulfur-Doped Reduced Graphene Oxide Modified Glassy Carbon Electrode (S@rGO/GCE) Based Acetaminophen Sensor

Mohd Quasim Khan ^{1,†}, Praveen Kumar ², Rais Ahmad Khan ³, Khursheed Ahmad ^{4,†} and Haekyoung Kim ^{4,*}

¹ Department of Chemistry, M.M.D.C, Moradabad, M.J.P. Rohilkhand University, Bareilly 244001, U.P., India

² Department of Chemistry, Indian Institute of Technology Indore, Khandwa Road, Simrol 453552, M.P., India

³ Department of Chemistry, College of Science, King Saud University, Riyadh 11451, Saudi Arabia

⁴ School of Materials Science and Engineering, Yeungnam University, Gyeongsan 38541, Republic of Korea

* Correspondence: hkkim@ynu.ac.kr

† These authors contributed equally to this work.

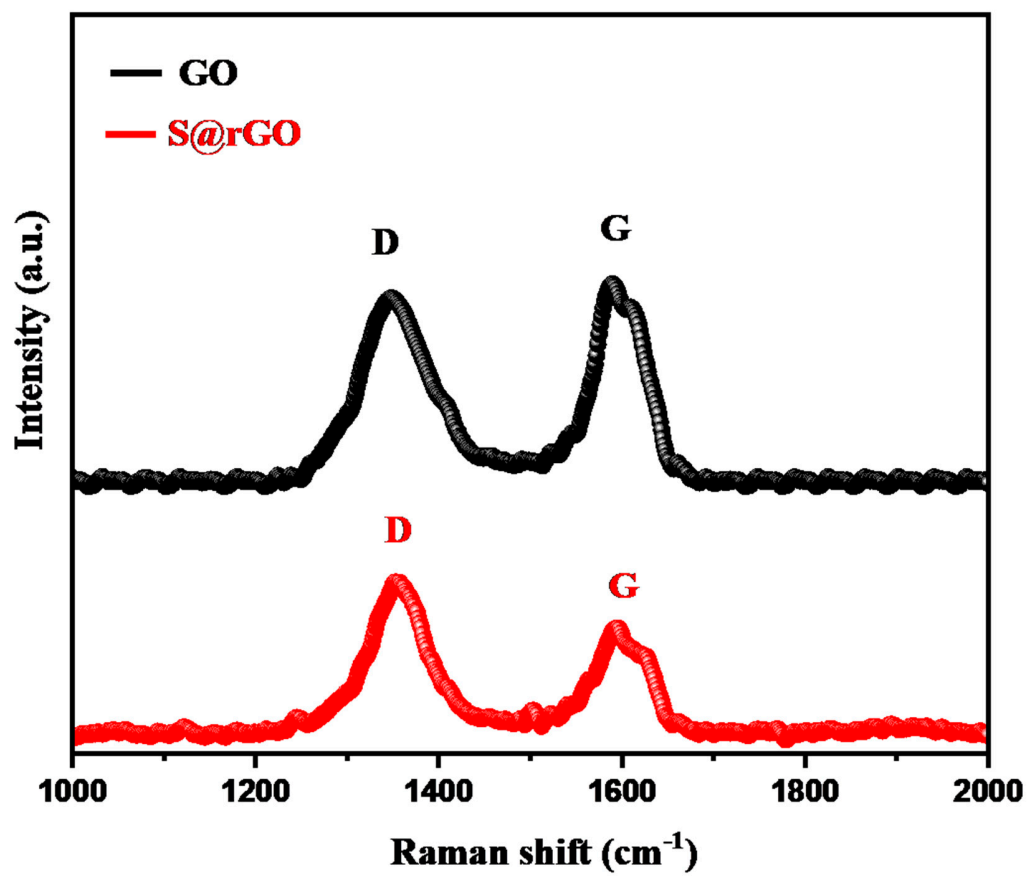


Figure S1. Raman spectrum of GO and S@rGO.

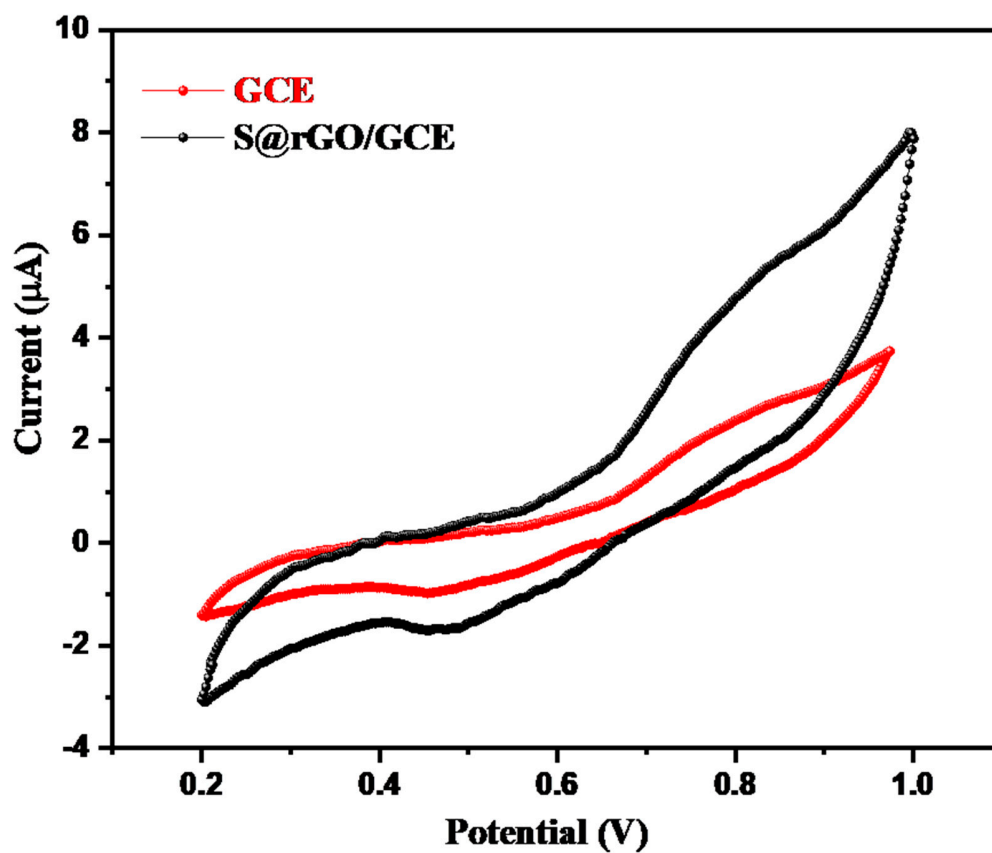


Figure S2. CV patterns of GCE and S@rGO/GCE in 0.1 M PBS (pH = 7.0; scan rate = 50 mV/s).

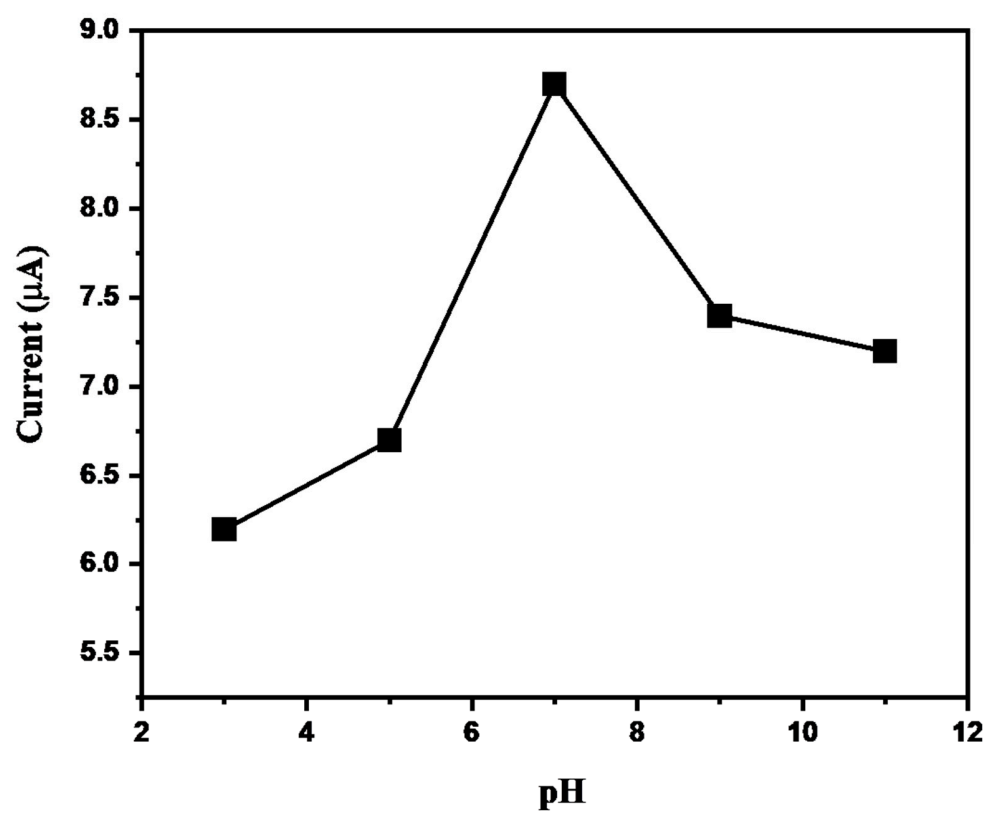


Figure S3. Current response (using CV) of the S@rGO/GCE in the presence of 91 μM acetaminophen in 0.1 M PBS of different pH (3, 5, 7, 9 and 11) at applied scan rate of 50 mV/s.

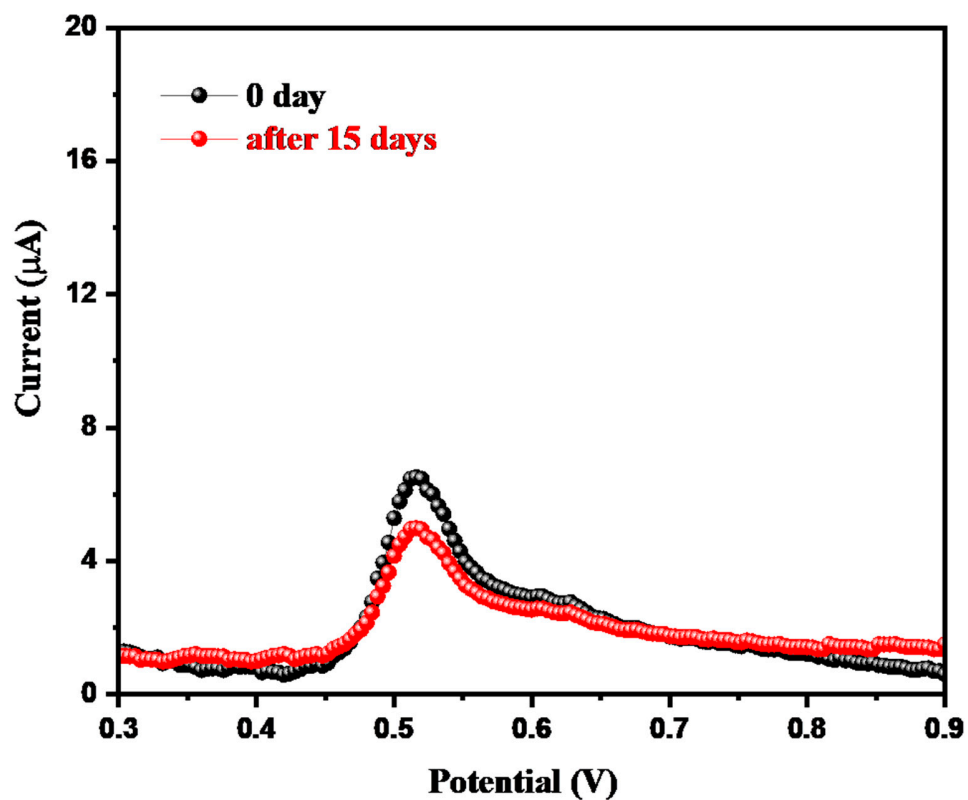


Figure S4. DPV response of the S@rGO/GCE (0 day and after 15 day) in presence of 100 μM acetaminophen in 0.1 M PBS (pH = 7.0) at applied scan rate of 50 mV/s.