Advanced and efficient Co$_3$O$_4$/C nanocomposite for the oxygen evolution reaction in alkaline media

Abdul Qayoom Mugheri$^a$, Aneela Tahira$^b$, Umair Aftab$^c$, Muhammad Ishaq Abro$^c$, Arfana Begum Mallah$^a$, Gulam Zuhra Memon$^a$, Humaira Khan$^a$, Mazhar Ali Abbasi$^d$, Imran Ali Halepoto$^d$, Saleem Raza Chaudhry$^c$, Zafar Hussain Ibupoto$^a$

$^a$ Dr. M.A Kazi Institute of Chemistry University of Sindh Jamshoro, 76080, Sindh Pakistan

$^b$Department of Science and Technology, Campus Norrkoping, Linkoping University, SE-60174 Norrkoping, Sweden

$^c$Mehran University of Engineering and Technology, 7680 Jamshoro, Sindh Pakistan

$^d$Institute of Physics, University of Sindh Jaamshoro, 76080, Sindh Pakistan

$^e$University of Engineering and Technology, Lahore

*Corresponding author: Zafar Hussain Ibupoto

Email address: zaffar.ibhupoto@usindh.edu.pk

S1: XRD patterns of pure carbon obtained from the dehydration of sucrose