

Supporting Information

**Electrical and Electrochemical Properties of Graphene Modulated through
Surface Functionalization**

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Table of content:

- Figure S1: a) FESEM image of GO₁ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)
- Figure S2: Energy dispersive spectra (EDX) of GO₁
- Figure S3: a) FESEM image of GO₂ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)
- Figure S4: Energy dispersive spectra (EDX) of GO₂
- Figure S5: a) FESEM image of GO₃ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)
- Figure S6: Energy dispersive spectra (EDX) of GO₃
- Figure S7: FESEM image of RGO and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)
- Figure S8: Energy dispersive spectra (EDX) of RGO
- Figure S9: FESEM image of RSGO and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)
- Figure S10: Energy dispersive spectra (EDX) of RSGO
- Figure S 11: a) FESEM image of RGO₁ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)
- Figure S12: Energy dispersive spectra (EDX) of RGO₁
- Figure S 13: a) FESEM image of RGO₂ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)
- Figure S14: Energy dispersive spectra (EDX) of RGO₂
- Figure S15: a) FESEM image of RGO₃ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)
- Figure S16: Energy dispersive spectra (EDX) of RGO₃

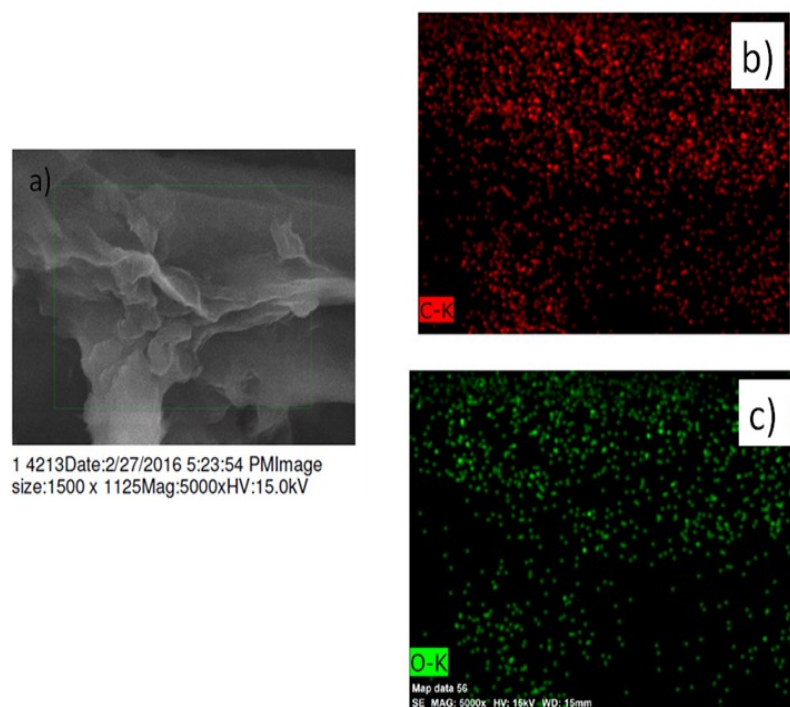


Figure 1: a) FESEM image of GO₁ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)

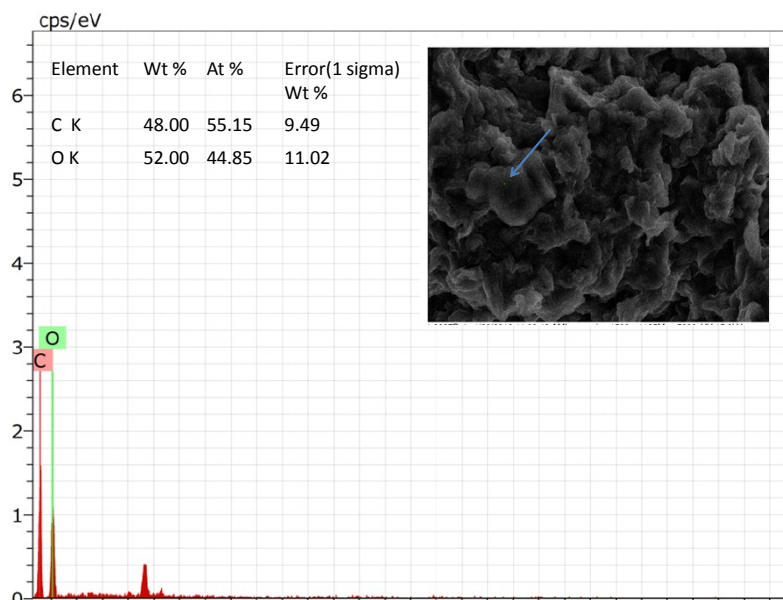


Figure 2: Energy dispersive spectra (EDX) of GO₁

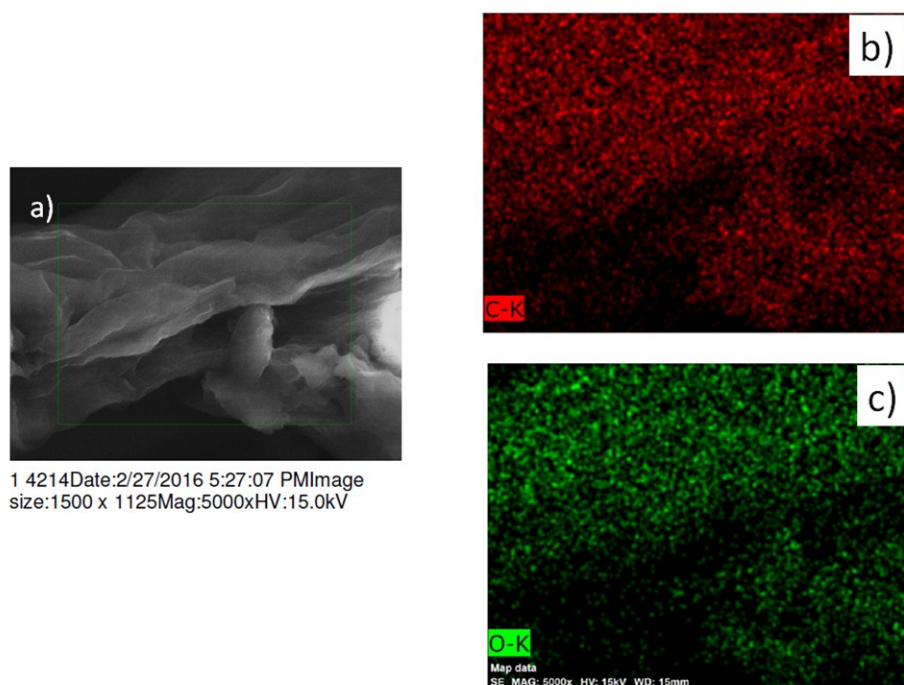


Figure 3: a) FESEM image of GO₂ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)

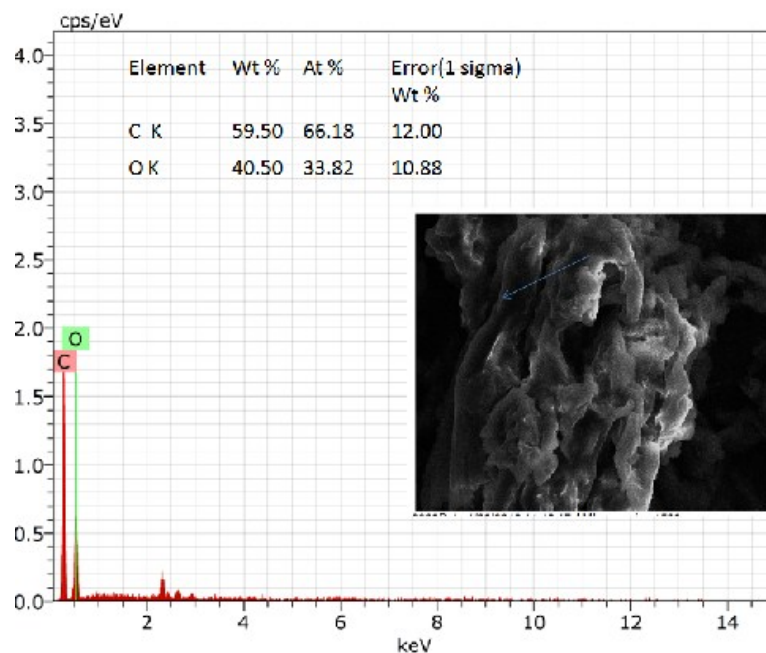


Figure 4: Energy dispersive spectra (EDX) of GO_2

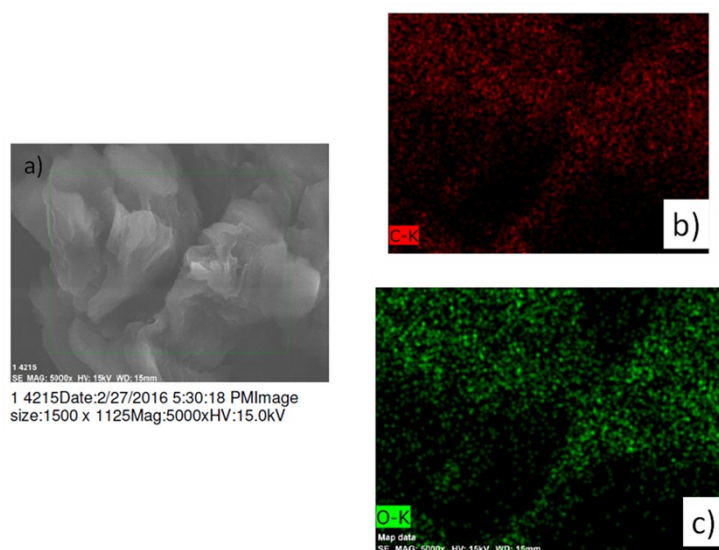


Figure 5: a) FESEM image of GO_3 and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)

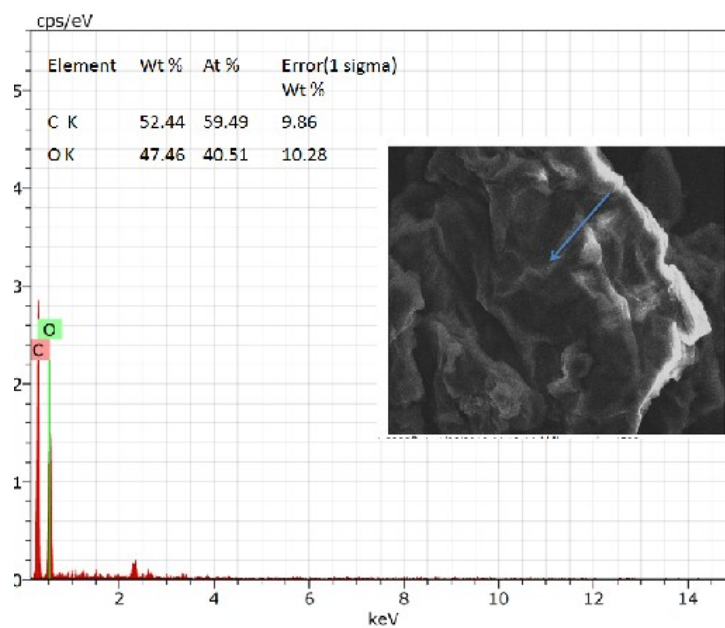


Figure 6: Energy dispersive spectra (EDX) of GO_3

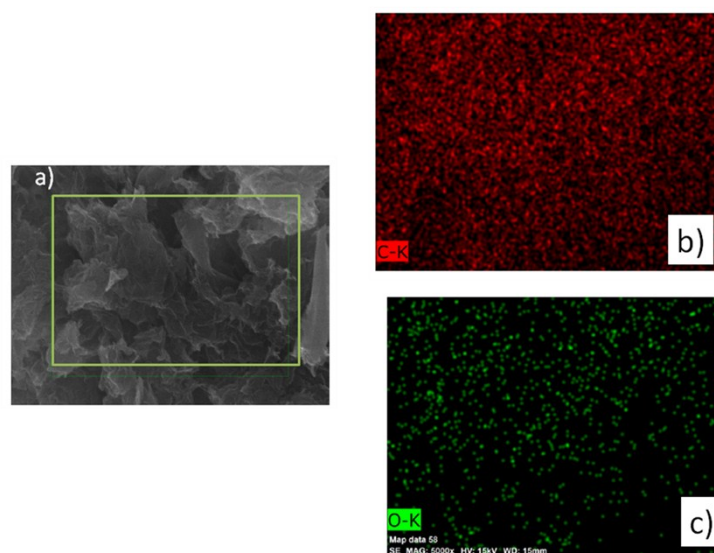


Figure 7: a) FESEM image of RGO and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)

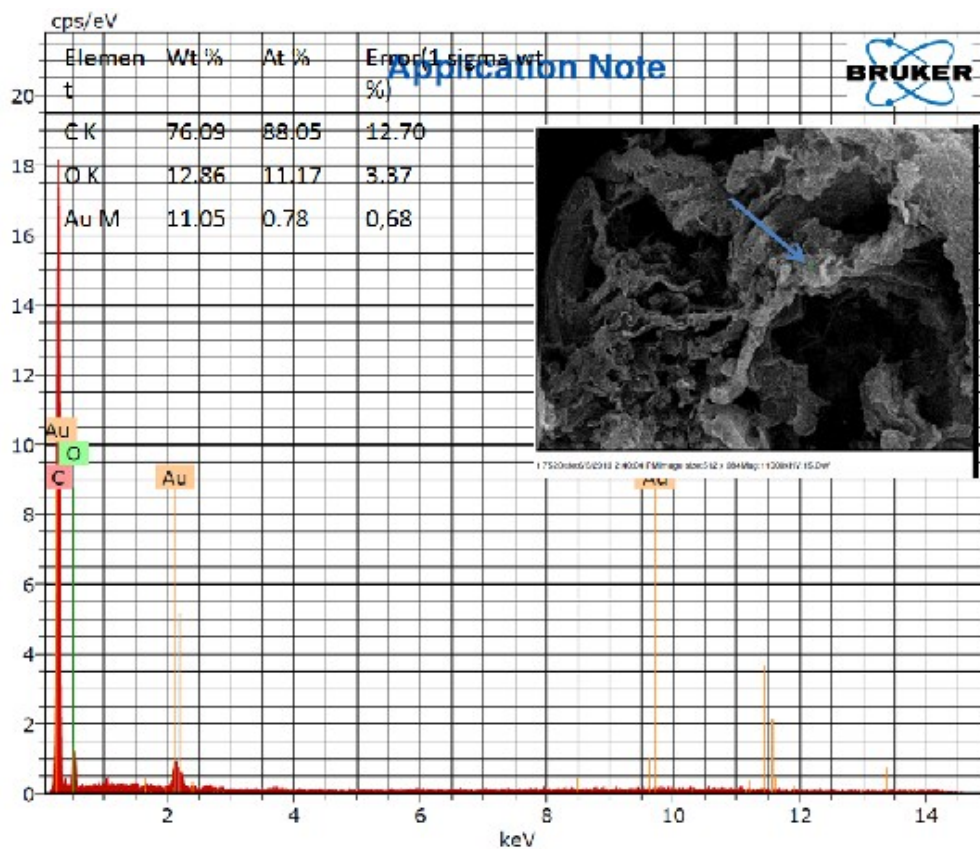


Figure 8: Energy dispersive spectra (EDX) of RGO

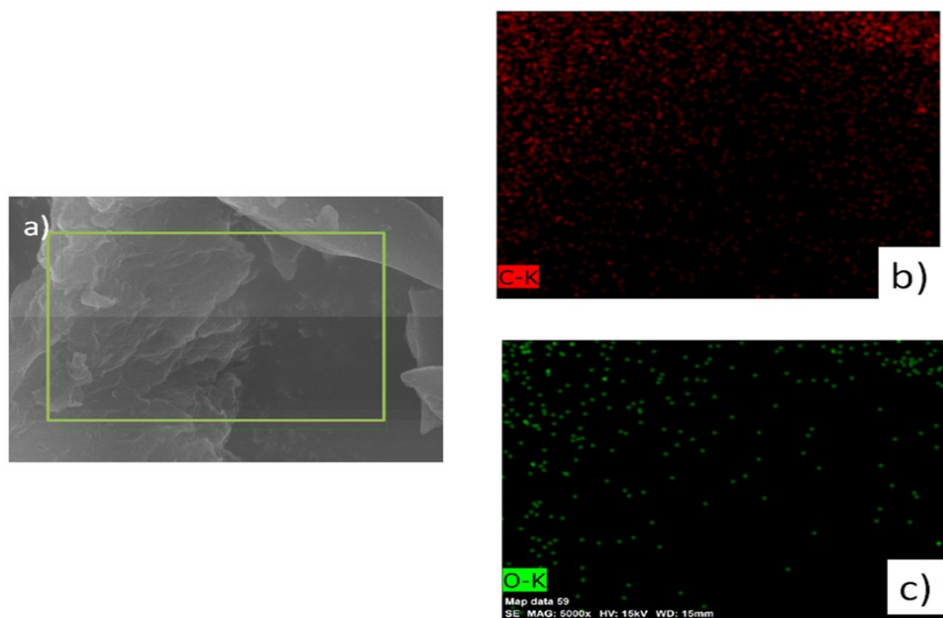


Figure 9: a) FESEM image of RSGO and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)

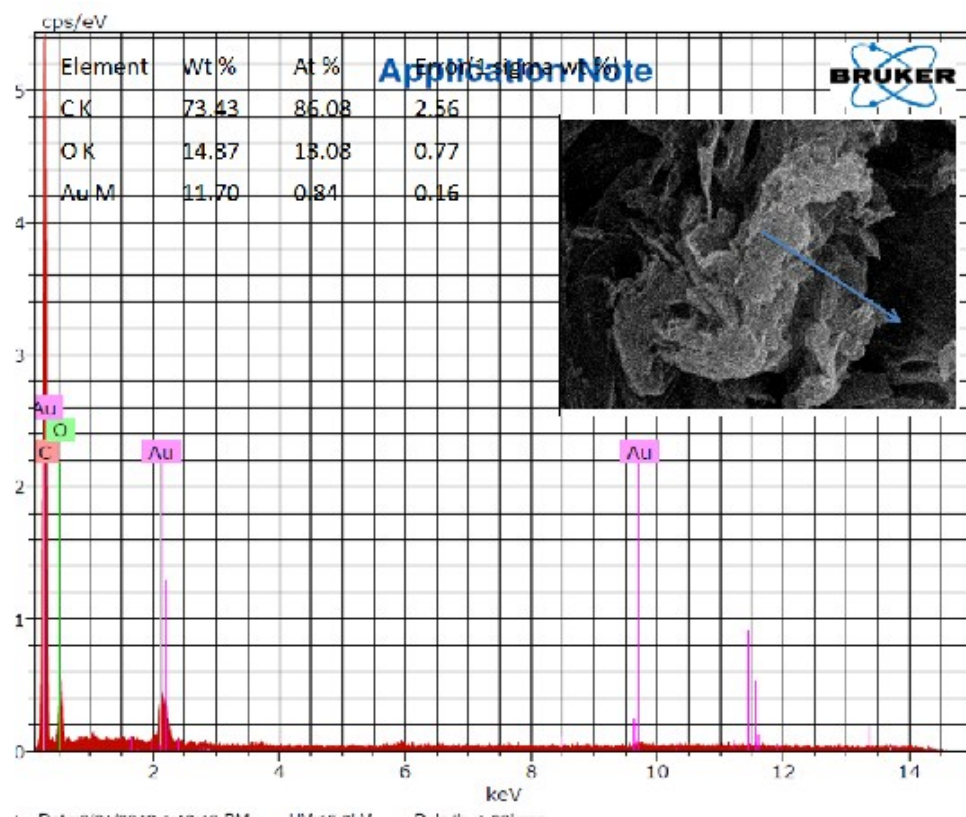


Figure 10: Energy dispersive spectra (EDX) of RSGO

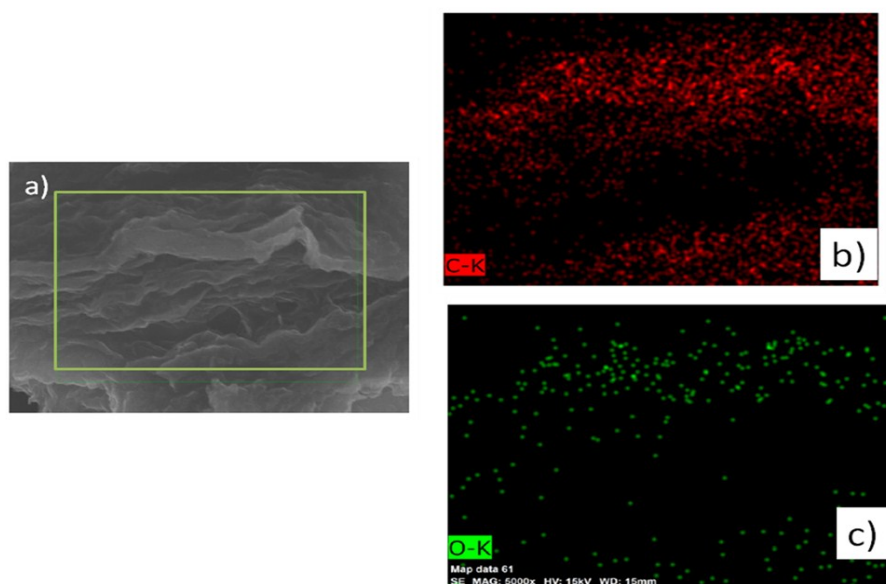


Figure 11: a) FESEM image of RGO₁ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)

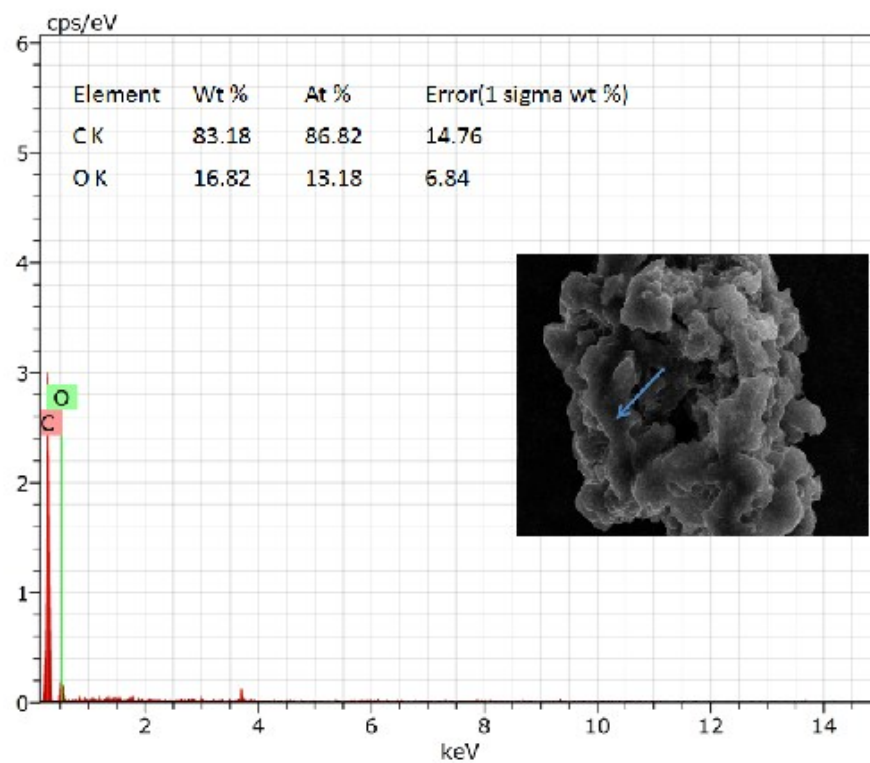


Figure 12: Energy dispersive spectra (EDX) of RGO₁

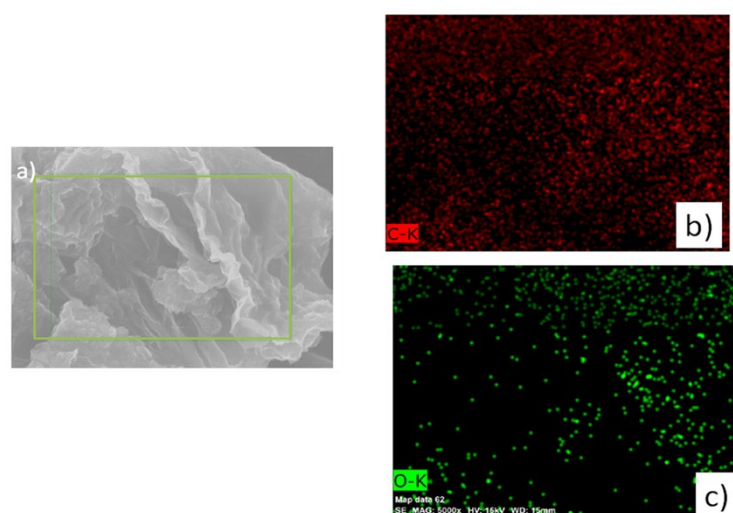


Figure 13: a) FESEM image of RGO₂ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)

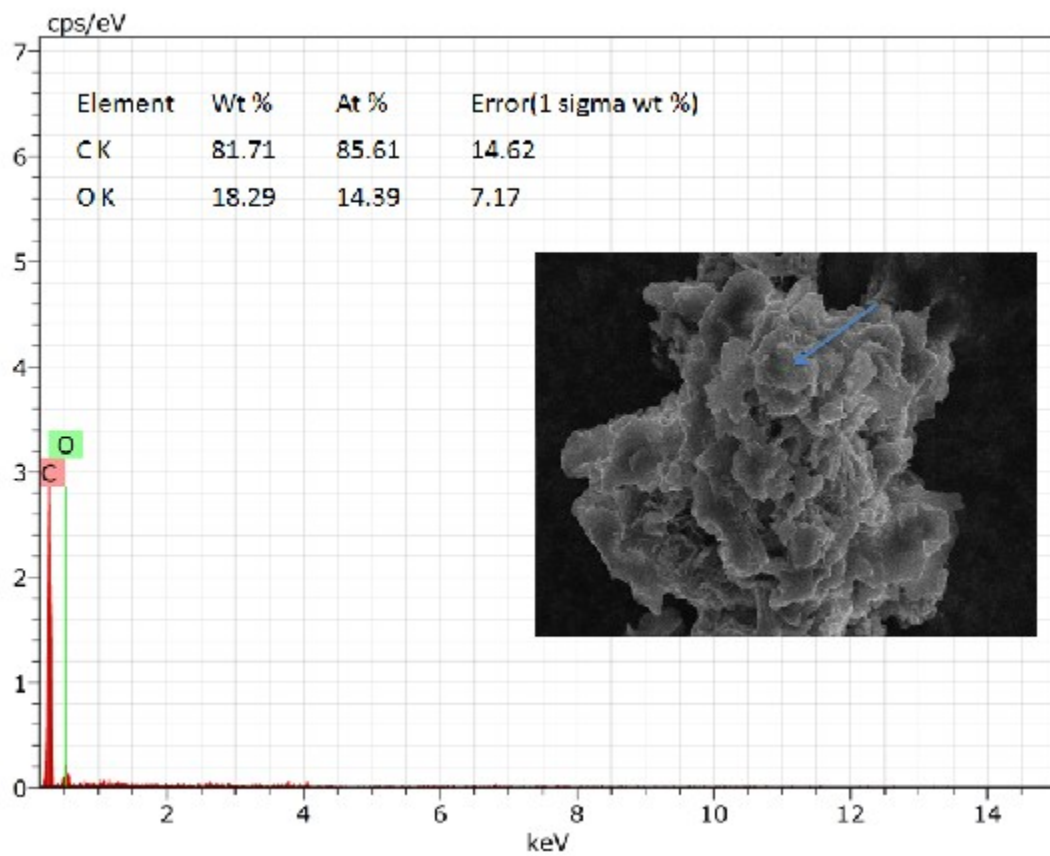


Figure 14: Energy dispersive spectra (EDX) of RGO₂

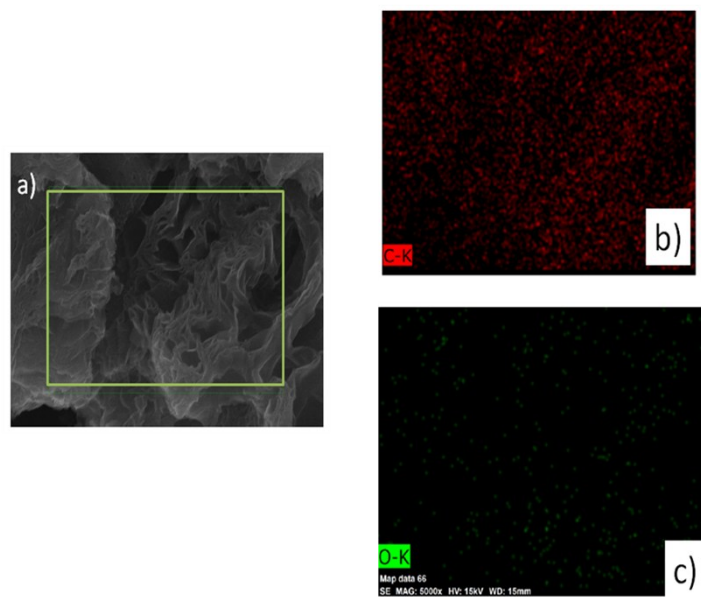


Figure 15: a) FESEM image of RGO₃ and (b & c) elemental mapping of Carbon (Red dots) and Oxygen (Green dots)

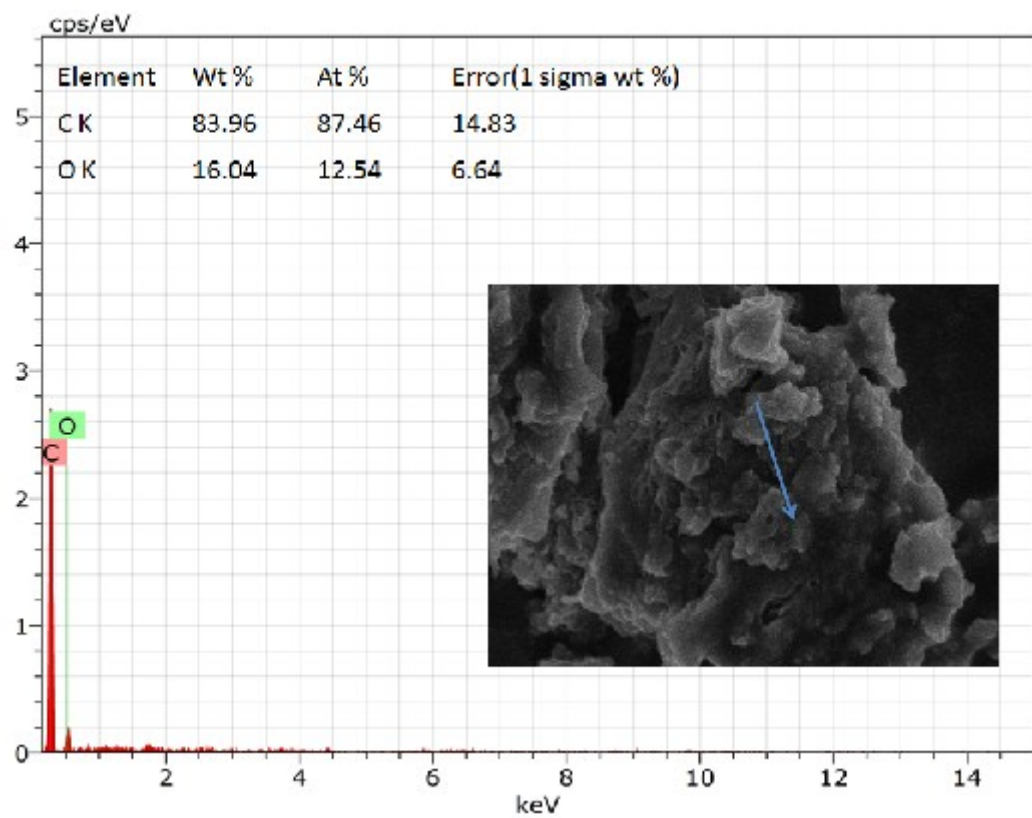


Figure 16: Energy dispersive spectra (EDX) of RGO₃