

Supplementary material for the article:

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Supplementary material

Enzymatic glucose biosensor based on manganese dioxide nanoparticles decorated on graphene nanoribbons

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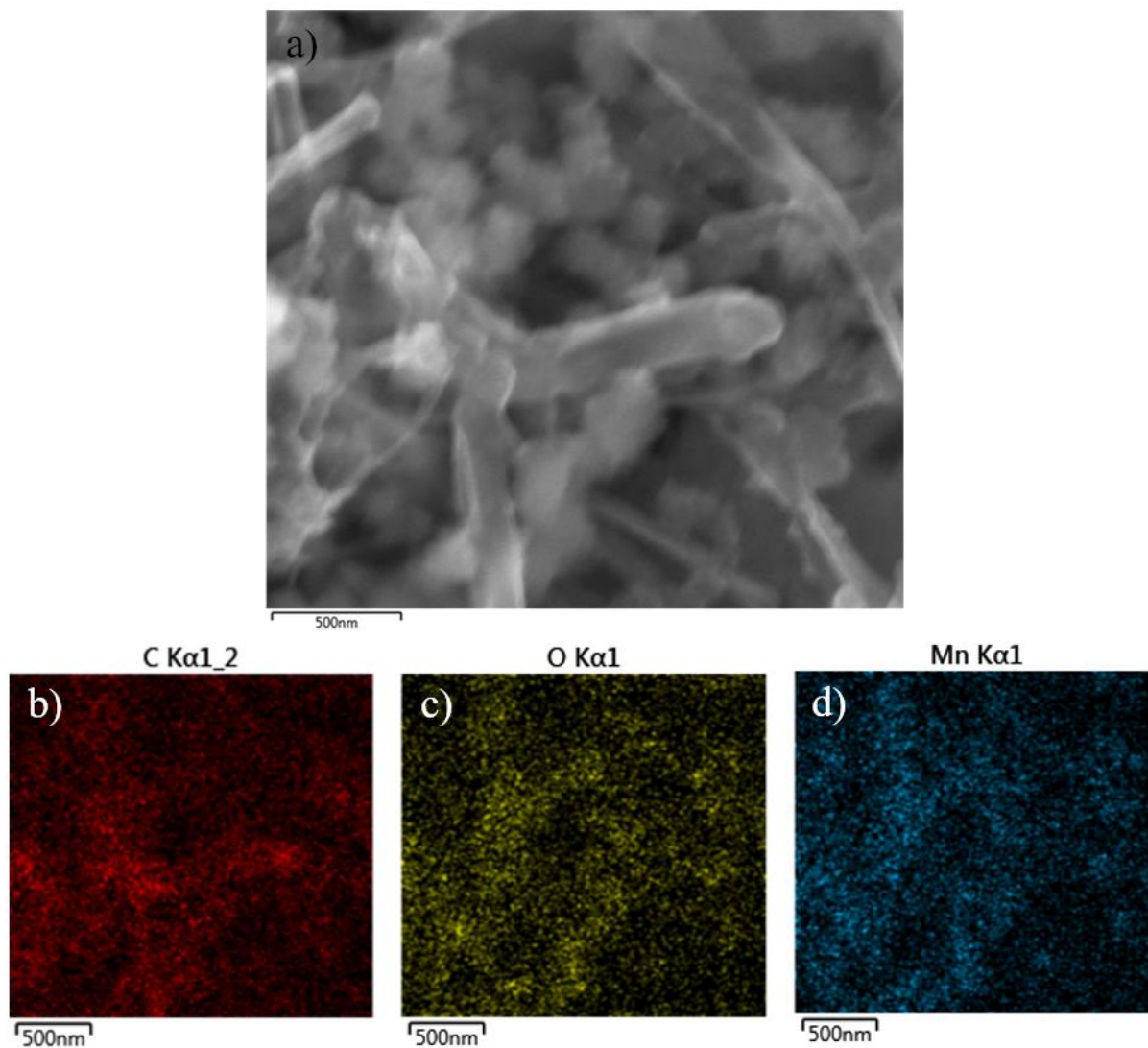


Figure S1. EDS mapping of the composite

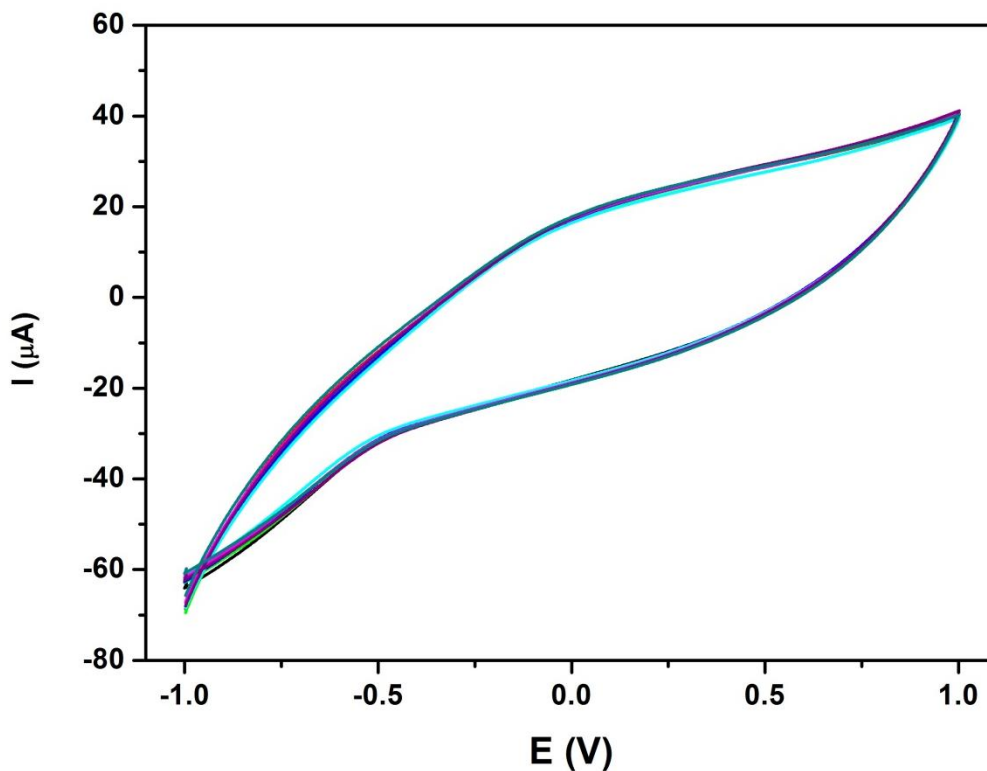


Figure S2. Cyclic voltammograms of 25 mM H₂O₂ in 0.1M buffer solution in the pH range from 6 to 8

Table S1. Determination of glucose in honey samples (all measurements in triplicate).

Samples	Concentration of glucose obtained by commercial detector (mM)	Concentration of glucose obtained by developed biosensor (mM)
<i>Honey 1</i>	3.62 ± 0.25	3.57 ± 0.15
<i>Honey 2</i>	3.21 ± 0.21	3.17 ± 0.10
<i>Honey 3</i>	4.37 ± 0.30	4.36 ± 0.14