Supplementary Material

Optimized copper based microfeathers for glucose detection

Carlota Guati[1*], Lucía Gomez-Coma[1], Marcos Fallanza[1] and Inmaculada Ortiz[1]

Chemical and Biomolecular Engineering Department, University of Cantabria, 39005 Santander, Spain;

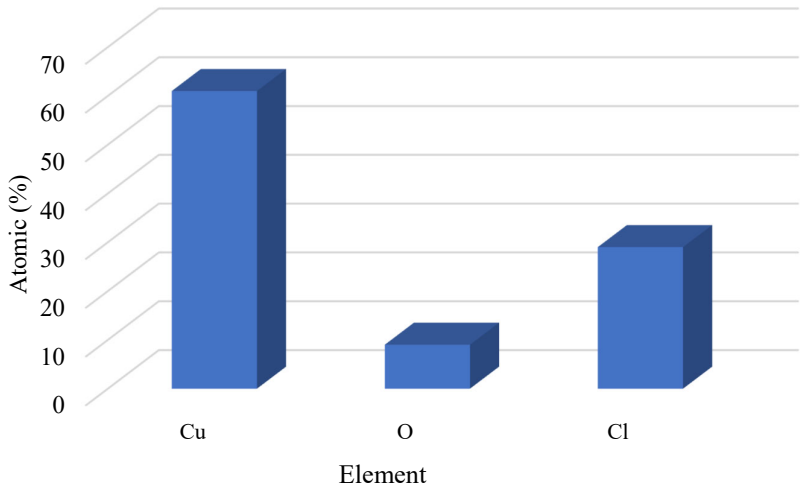
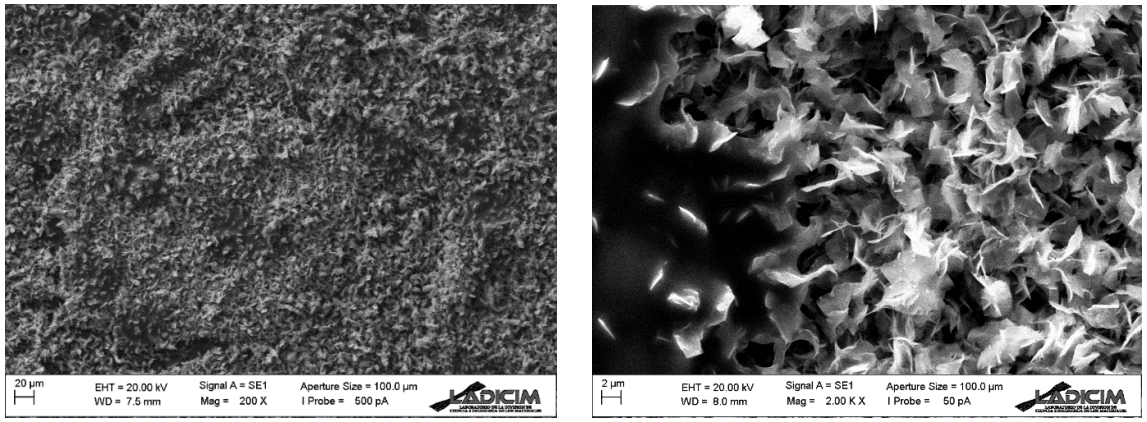


Figure S1. Atomic presence in the microfeather electrode



(a) (b)

Figure S2. SEM images; (a) 200× and (b) 2000×

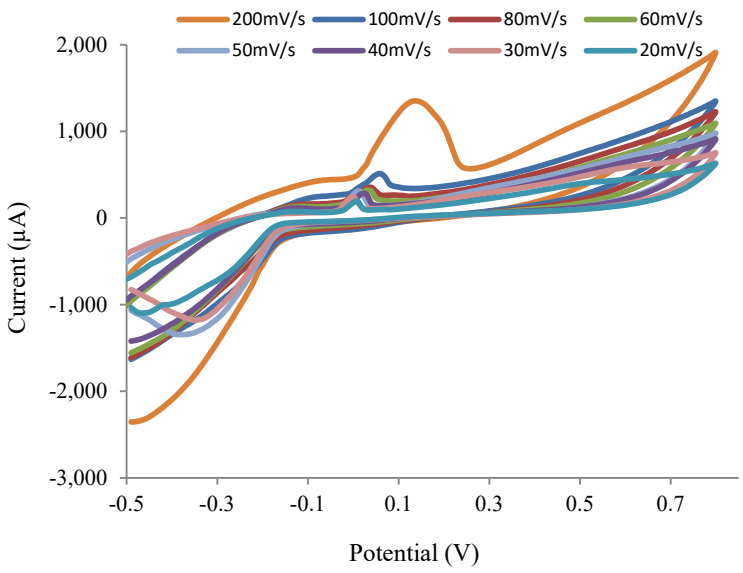


Figure S3. Cyclic voltammetry using 5 mM $Ru(NH_3)_6Cl_3$ in 0.1M KCl with a scan range from 200 to 20 mV s^{-1}

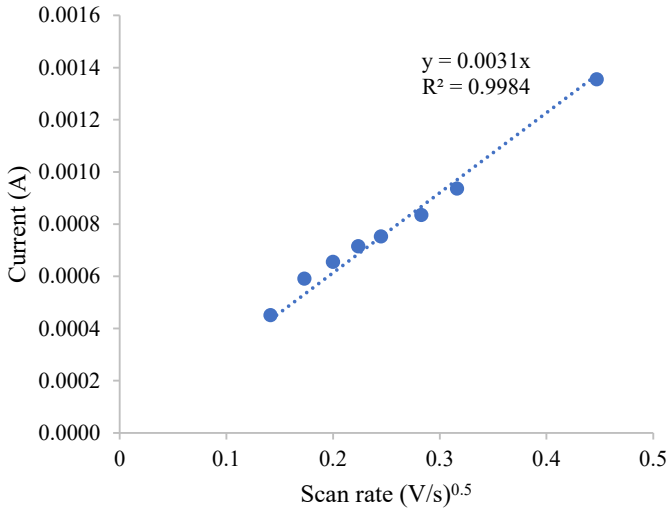


Figure S4. Linear regression of the Randles–Sevcik equation

Table S1. Three Level Orthogonal Array. Ross, P. J. Taguchi Techniques for Quality Engineering. 2nd edn. Edit-ed by McGraw-Hill. 1996

	Column no.			
Trial no.	**1**	**2**	**3**	**4**
1	1	1	1	1
2	1	2	2	2
3	1	3	3	3
4	2	1	2	3
5	2	2	3	1
6	2	3	1	2
7	3	1	3	2
8	3	2	1	3
9	3	3	2	1