

Supplementary material

Anodic stripping voltammetry with gold electrodes as an alternative method for the routine determination of mercury in fish. Comparison with spectroscopic approaches

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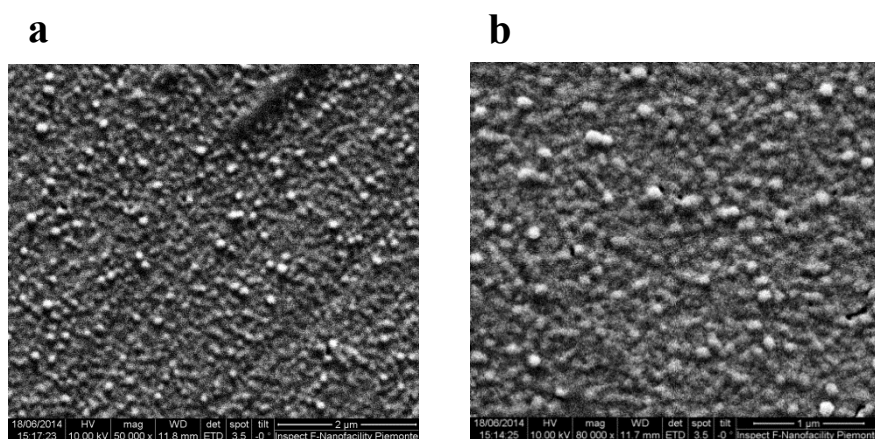


Fig. S1. SEM images of the obtained AuNPs-GCE surface a) 50000X and b) 80000X
(This work has been performed at NanoFacilities Piemonte, INRiM, a laboratory supported by Compagnia di San Paolo)

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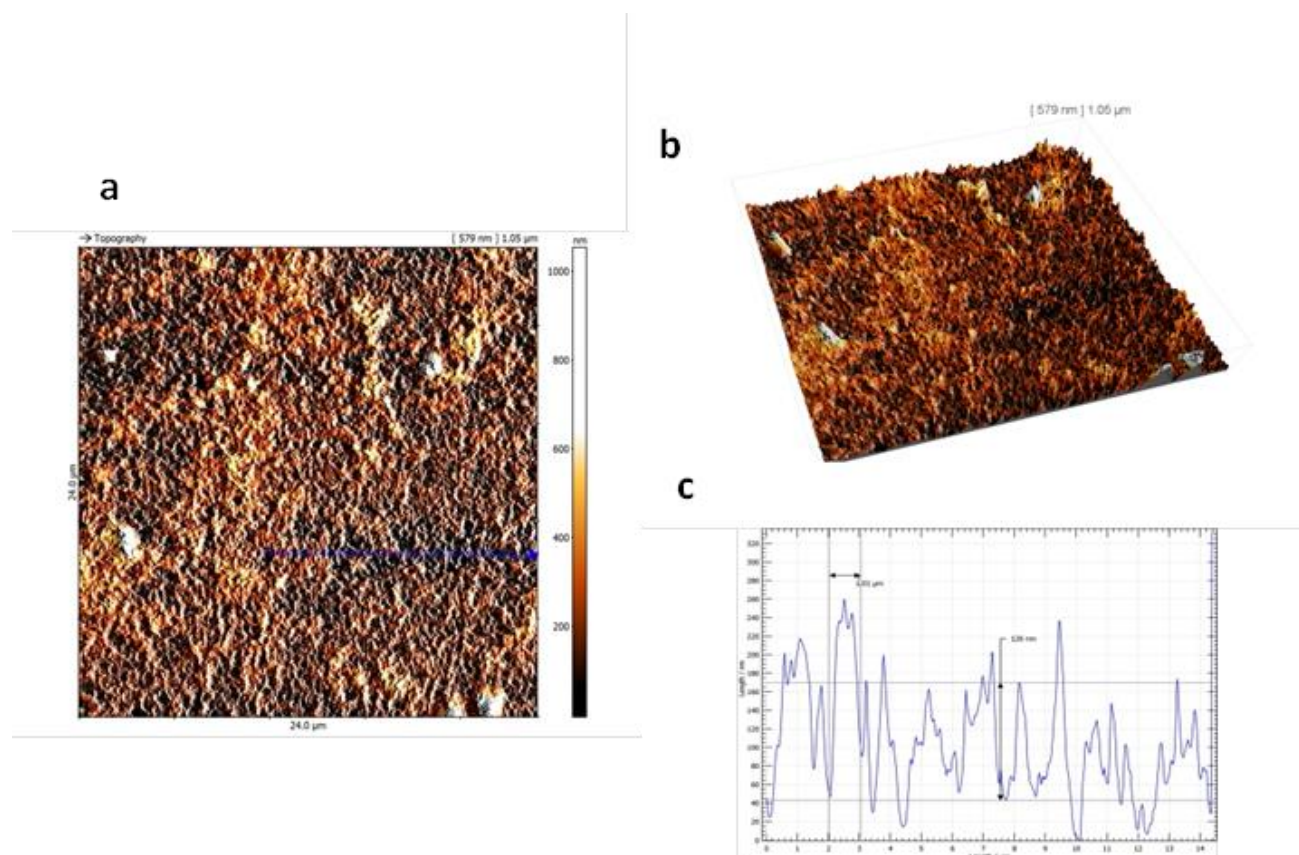


Fig. S2. AFM image of a gold nanoparticles layer electrochemically deposited on a GC plate, following the same procedure adopted for AuNPs-GCE preparation.

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Table S1. Hg concentrations measured in CTs (mg/kg_{ww}) and comparison with European maximum admissible level.

Sample	[Hg] _{AuNPs-GCE}	[Hg] _{DMA}
CT1	0.15	0.17
CT2	0.19	0.22
CT3	0.03	0.03
CT4	0.05	0.04
CT5	0.34	0.30
CT6	0.19	0.24
CT7	0.13	0.11
CT8	0.08	0.08
CT9	0.31	0.40
CT10	0.39	0.40
Min		0.03
Max		0.40
Limit		1