

Comparative antimicrobial activity of silver nanoparticles obtained by wet chemical reduction and solvothermal methods

Liliana Marinescu¹, Denisa Ficai¹, Anton Ficai^{1,3}, Ovidiu Oprea¹, Adrian Ionut Nicoara¹, Bogdan Stefan Vasile¹, Laura Boanta², Alexandru Marin², Ecaterina Andronescu^{1,3,*}, Alina-Maria Holban⁴

¹ POLITEHNICA University of Bucharest, Faculty of Applied Chemistry and Material Science, Gh Polizu street 1-7, 011061 Bucharest, Romania (*ecaterina.andronescu@upb.ro)

² POLITEHNICA University of Bucharest, Faculty of Power Engineering, Department of Hydraulics, Hydraulic Machinery and Environmental Engineering, 313 Splaiul Independentei, District 6, 060042-Bucharest, Romania

³ Academy of Romanian Scientists, Ilfov st 3, 050054 Bucharest, Romania

⁴ University of Bucharest, Faculty of Biology, Microbiology Immunology Department, 1-3 Portocalelor Lane, District 5, 77206 Bucharest, Romania

Supplementary materials

Table S1. Intensity values of peaks for samples encoded RT obtained at the room temperature.

Batch	RT1								
Cycle01	nm	332	638	650	1034	1059	1068	1074	1087
Peaks	A	0.22699	0.76556	0.76558	0.03492	0.04458	0.04748	0.05371	0.08348
Batch	RT2								
Cycle01	nm	335	719	727	733	744	1058	1068	1087
Peaks	A	0.2312	0.74844	0.74935	0.74974	0.74845	0.14654	0.14244	0.15822
Batch	RT3								
Cycle01	nm	223	333	459	491	496	500	505	659
Peaks	A	4.31756	0.96292	0.94999	0.90647	0.90097	0.8989	0.89968	1.65273

Table S2. Intensity values of peaks for samples encoded HT obtained by solvothermal synthesis

Batch	HT1								
Cycle01	nm	407	560	565	573	580	584	587	589
Peaks	A	2.2017	0.0805	0.075	0.0674	0.062	0.0581	0.0561	0.0556
Batch	S2a dil 10%; 15%								
Batch	HT2								
Cycle01	nm	364	367	437	440	444	448	453	457
Peaks	A	0.1331	0.1267	0.0364	0.034	0.032	0.0292	0.0272	0.0258
Batch	HT3								
Cycle01	nm	481	490	493	496	499	506	511	515
Peaks	A	0.0444	0.0399	0.0384	0.0374	0.0352	0.0326	0.0306	0.0295
Batch	HT4								
Cycle01	nm	403	707	710	719	1075	1083	1087	1096
Peaks	A	3.0092	0.0504	0.0487	0.0448	0.0474	0.0638	0.0859	0.1256