

**Lista cu 10 lucrări reprezentative pentru domeniul tezei de abilitare  
CSII Dr. Magdalena Aflori**

Nr.	Lista lucrări	FIC	FIC <sub>D</sub>	FIC <sub>AP</sub>	FIC <sub>AC</sub>
1	Simionescu, B.; <b>Aflori, M.</b> ; Olaru, M. Protective coatings based on silsesquioxane nanocomposite films for building limestones <i>2009 Construction and Building Materials</i> , 2 (11), 3426-3430	7,4	7,4	7,4	7,4
2	Bordianu, I.E.; David, G.; Simionescu, B.; <b>Aflori, M.</b> ; Ursu, C.; Coroaba, A.; Hitruc, G.; Cotofana, C.; Olaru M. Functional silsesquioxane-based hierarchical assemblies for antibacterial/antifungal coatings <i>2014 Journal of Materials Chemistry B</i> , 3, 723-727	7	7		
3	Gradinaru, L.M.; Barbalata-Mandru, M.; Enache, A.A.; Rimbu, C.M.; Badea, G.I.; <b>Aflori, M.</b> Chitosan membranes containing plant extracts: preparation, characterization and antimicrobial properties <i>2023 International Journal of Molecular Sciences</i> , 24(10), 8673	5,6	5,6	5,6	5,6
4	<b>Aflori, M.</b> ; Butnaru, M.; Tihauan, B.-M.; Doroftei, F. Eco-friendly method for tailoring biocompatible and antimicrobial surfaces of poly-L-lactic acid <i>2019 Nanomaterials</i> , 9(3), 428	5,3	5,3	5,3	5,3
5	Gradinaru, L.M.; Bercea, M.; Vlad, S.; Mandru, M.B.; Droboata, M.; <b>Aflori, M.</b> ; Ciobanu, R.C. Preparation and characterization of electrospun magnetic poly(ether urethane) nanocomposite mats: Relationships between the viscosity of the polymer solutions and the electrospinning ability <i>2022 Polymer</i> , 256, 125186	4,6	4,6		
6	<b>Aflori, M.</b> ; Simionescu, B.; Bordianu, I.E.; Sacarescu, L.; Varganici, C.D.; Doroftei, F.; Nicolescu, A.; Olaru, M. Silsesquioxane-based hybrid nanocomposites with methacrylate units containing titania and/or silver nanoparticles as antibacterial/antifungal coatings for monumental stones <i>2013 Materials Science and Engineering B</i> , 178, 1339-1346	3,6	3,6	3,6	
7	<b>Aflori, M.</b> ; Droboata, M.; Dimitriu, D.Gh.; Stoica, I.; Simionescu, B.; Harabagiu, V. Collagen immobilization on polyethylene terephthalate surface after helium plasma treatment <i>2013 Materials Science and Engineering B</i> , 178, 1303-1310	3,6	3,6	3,6	3,6
8	Droboata, M.; Butnaru, M.; Vornicu, N.; Plopa, O.; <b>Aflori, M.</b> Facile method for obtaining gold-coated polyester surfaces with antimicrobial properties <i>2020 Advances in Polymer Technology</i> , 4504062	3,1	3,1	3,1	3,1
9	<b>Aflori, M.</b> ; Serbezeanu, D.; Carja, I.D; Fortunato, G. Gold nanoparticles incorporated into electrospun polyimide fibers <i>2015 Chemistry Letters</i> , 44(10), 1440-1442	1,6	1,6	1,6	
10	<b>Aflori, M.</b> Chitosan-based silver nanoparticles incorporated at the surface of plasma-treated PHB film <i>2017 Chemistry Letters</i> , 46(1), 65-67	1,6	1,6	1,6	1,6

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