

Titlu proiect: Cercetarea substituției osoase cu materiale biocompozite fabricate prin tehnici specifice metalurgiei pulberilor (BONY)

Categoria de proiect: Parteneriate in domenii prioritare PN-II-PT-PCCA-2013-4-2094

Contractul de finanțare: Nr. 244/01/07/2014

Responsabil proiect: Tănăsescu Speranța Valeria

Lista rezultate

Nr. crt.	NUME AUTORI	TITLUL ARTICOLULUI/ CĂRȚII / COMUNICĂRII ȘTIINȚIFICE	REVISTA / VOLUMUL/EDITURA IN CARE A APARUT / CONFERINȚA LA CARE S-A COMUNICAT	ANUL PUBLICĂRII/ COMUNICĂRII
ARTICOLE ISI				
1	C. Marinescu, A. Sofronia, E.M. Anghel, R. Baies, D. Constantin, A.M. Seciu, O. Gingu, S. Tanasescu	Microstructure, stability and biocompatibility of hydroxyapatite–titania nanocomposites formed by two step sintering process	Arabian Journal of Chemistry, doi.org/10.1016/j.arabjc.2017.01.019.	2017
ARTICOLE ALTE BAZE DE DATE				
1	O. Gingu, G. Sima, C. Teisanu, C. Marinescu, A. Sofronia, S. Tanasescu, P. Rotaru	The Foaming Window – A New Concept and Mechanism for Biocomposite Foams Processing by Two-Step Sintering	Journal of Advanced Thermal Science Research, 2017, 4, 13-19, Avanti Publishers DOI: http://dx.doi.org/10.15377/2409-5826.2017.04.3	2017
ARTICOLE IN VOLUME PROCEEDINGS (International Conference Series)				
1	C. Marinescu, A. Sofronia, D. Constantin, S. Tanasescu	Structural, morphological and high temperature characterization of the biocompatible hydroxyapatite-titania composite	Proceedings of the 4 th International Conference and Exhibition on Materials Science & Engineering, Florida, USA September 14-16, 2015 published in J Material Sci Eng, vol.4, Nr. 5 pag. 143, ISSN: 2169-0022 JME	2016
2	Speranta Tanasescu	Particle size versus energetics of nanomaterials: Key parameters controlling the stability and reactivity of nanostructured	Proceedings of 11 th International Conference on Advanced Materials& Processing, 7-8	2017

		materials	September 2017, Edinburgh, Scotland, Res. &Rev.: J Mat. Sci. 2017, 5:5, DOI: 10.4172/2321- 6212-C1-005, ConferenceSeries.com	
COMUNICARI STIINTIFICE NATIONALE				
1	C. Marinescu, A. Sofronia, E. M. Anghel, R. Baies, O. Gingu, S. Tanasescu	Titania reinforced hydroxyapatite biocompatible composites with improved physicochemical and mechanical properties,	25 th Symposium of Thermal Analysis and Calorimetry –Eugen Segal, CATCAR25, 15.04.2016, Bucharest, Romania. (poster)	2016
COMUNICARI STIINTIFICE INTERNATIONALE				
1	A. Neacsu, D. Gheorghe, S. Tanasescu	Thermal stabilization of calcium fructoborate with gamma cyclodextrin	19 th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE19), 2-5 September 2015, Sibiu, Romania. (poster)	2015
2	G. Sima, C. Teisanu, O. Gingu, D. Cojocaru, S. Tanasescu, P. Rotaru	Green parts thermal debinding for alloplastic bone grafts	3 rd Central and Eastern European Conference on Thermal Analysis and Calorimetric, CEEC- TAC3, 25-28 August 2015, Ljubljana, Slovenia, Book of Abstracts, p. 407, Ed Academica Greifswald, ISBN 978-3- 940237-34-7	2015
3	O. Gingu, C. Teisanu, S. Croitoru, F. Brehar, C. Ristoscu, S. Tanasescu, D. Cojocaru,	Innovative Nanocomposites for Life Using Powder Metallurgy	6th Annual World Congress of Nano Science & Technology (Nano- S&T) 2016, session 311: Functional Hybrid Nanomaterials and Nanocomposite, 26-28 October 2016, Singapore (Poster) Conference Abstract Book, p.289	2016
4	C. Marinescu, A. Sofronia, E.M. Anghel, O. Gingu S. Tănăsescu	Characterization of some TiO ₂ – HA biocomposites produced by TSS process of the nanosized HA and TiH ₂ powders	International Conference of Physical Chemistry (ROMPHYSICHEM 16), September 21-24, 2016, Galati, Romania, Book of Abstract, p.35, ISSN 2286-1327 (prezentare orala)	2016

5	A. Neacsu, A. Botea-Petcu, S.Tanasescu	The effect of calcium fructoborate on some organic components of human cerebrospinal fluid	International Conference of Physical Chemistry (ROMPHYSICHEM 16), September 21-24, 2016, Galati, Romania. Book of Abstract, p.51, ISSN 2286-1327 (poster)	2016
6	A. Sofronia, C. Marinescu, A. Neacsu, S. Tanasescu	Thermokinetic and thermodynamic parameters of the titanium hydride dehydrogenation process	International Conference of Physical Chemistry (ROMPHYSICHEM 16), 21-24 septembrie 2016 Galati, Romania, Book of Abstract, p.51, ISSN 2286-1327	2016
7	Speranta Tanasescu	Particle size versus energetics of nanomaterials: Key parameters controlling the stability and reactivity of nanostructured materials	11 th International Conference on Advanced Materials& Processing, 7-8 September 2017, Edinburgh, Scotland (Invited paper)	2017
8	C. Marinescu, A. Sofronia, S. Tanasescu, C. Teisanu	Thermal behaviour and microstructure of biocompatible hydroxyapatite/titania nanocomposites	4 th Central and Eastern European Committee for Thermal Analysis and Calorimetry (CEEC-TAC4, 28-31 august 2017), Chisinau, Republica Moldova. (prezentare orală)	2017
9	A.M. Sofronia, C. Marinescu, O. Gingu, S. Tanasescu	Thermal investigation of the hydroxyapatite – based materials by coupled TG-DSC methods	4 th Central and Eastern European Committee for Thermal Analysis and Calorimetry (CEEC-TAC4, 28-31 august 2017), Chisinau, Republica Moldova. (poster)	2017
10	C. Marinescu, A. Sofronia, S. Tanasescu, C. Teisanu	Physico-chemical properties of hydroxyapatite/titania nanocomposites and the mechanism of formation reaction	International Symposium "Priorities of chemistry for a sustainable development"- PRIOCHEM, XIII-th Edition, ICECHIM - October 25-27, 2017, Bucharest, Romania. (prezentare orală)	2017
Brevete de invenție, certificate de înregistrare a desenelor și modelelor industriale și altele asemenea;				
1	1. Sima Gabriela, Universitatea din	Cerere de brevet de invenție și intitulată "Material poros	Publicat în BOPI 5_2018 și înregistrată la OSIM,	2017-2018

	Craiova 2. Teisanu Alina-Cristina, Universitatea din Craiova 3. Coman Daniela, Universitatea din Craiova 4. Gingu Oana, Universitatea din Craiova 5. Croitoru Sorin, S.C. Tehnomed IMPEX Bucuresti 6. Gorgan Radu-Mircea, Spitalul Clinic de Urgenta "Bagdasar-Arseni", Bucuresti 7. Brehar Felix, Spitalul Clinic de Urgenta "Bagdasar-Arseni", Bucuresti 8. Tanasescu Speranta-Valeria, Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane, Bucuresti 9. Botea-Petcu Alina, Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane, Bucuresti 10. Sofronia Ancuta Mihaela, Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane, Bucuresti 11. Marinescu Cornelia Alina, Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane, Bucuresti 12. Gheorghe Mihaela Daniela, Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane, Bucuresti 13. Sandu Romica, Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane, Bucuresti 14. Neacsu Dana Andreea, Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane,	biocompozit și procedeu de elaborare a acestuia" avand in	nr. A/00758 din 27.09.2017	
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	Bucuresti			
Tehnologii, procedee, produse informatice, rețete, formule, metode și altele asemenea				
1		EM (model experimental de implant osos cu precizarea materialelor si aplicatiilor).		2015
		D (model demonstrativ validat de implanturi osoase din biocompozite tip strat/monobloc)		2016
		FM (model functional de implant osos din biocompozite tip strat/monobloc)		2017
ALTE rezultate				
1	Autori: G. Sima, A. C. Teisanu, D. Coman, O. Gingu, S. Croitoru, M. R. Gorgan, F. M. Brehar, S.-V. Tanasescu, A. Botea-Petcu, A. M. Sofronia, C. A. Marinescu, M. D. Gheorghe, R. Sandu, D. A. Neacsu	Medalia de aur si Diploma de Excelenta	In cadrul Salonului International al Cercetarii, Inventicii si Inovarii PROINVENT 2018, organizat la Cluj-Napoca, 21-23 martie 2018, sub egida Universitatii Tehnice din Cluj-Napoca.	2018

Responsabil proiect,

Dr. Tănăsescu Speranța Valeria