

LISTA COMPLETA A LUCRARILOR ȘTIINȚIFICE
Conf. dr. ing. Stoia Marcela Elena

Teza de doctorat

Marcela Elena Stoia: “Contributii la obtinerea de nanomateriale cu proprietati magnetice nedispersate si dispersate in matrici anorganice”, Editura Politehnica Timisoara, 2007, 186 pg., ISBN: 978-973-625-463-5

Titlul de doctor obținut prin Ordinul Ministrului Educației și Cercetării nr. 2398 din 15.10.2007

Cărți de specialitate/capitole publicate la edituri din străinătate:

1. M. Ștefănescu, M. Stoia, O. Ștefănescu, Chapter: Nanocomposites with Controlled Properties Obtained by the Thermal Treatment of Some Tetraethyl Orthosilicate-Diols-Metal Nitrates Gels pp. 289-338, in: The Sol-Gel Process: Uniformity, Polymers and Applications, **Series:** Chemical Engineering Methods and Technology, Materials Science and Technologies, 2011, 887pp, **ISBN:** 978-1-61761-321-0

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1. C. Muntean, **M. Stoia**, I. Julean Echilibre în soluție apoasă. Constante condiționale-Principii. Aplicații numerice. Programe dedicate, Editura Politehnica, Timișoara, 400 pag., 2012, ISBN 978-606-554-472-7
2. D. Oprescu, M. Ștefănescu, **M. Stoia**, C. Muntean, Analiză Chimică Cantitativă. Principii și aplicații, Editura Politehnica Timisoara, ISBN 973-625-033-4, 2002, 420 pg.;
3. D. Oprescu, V. Chiriac, **M. Stoia**, C. Muntean, Titrimetrie Chimică, Editura Politehnica Timisoara, Cod ISBN 973-8247-44-6, 2001, 274 pg.;

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- 1 Istratie, R; Babuta, R; Popa, A; Pacurariu, C ; Stoia, M, Enhanced Adsorption of p-Nitrophenol from Aqueous Solutions Using a Functionalized Styrene-Divinylbenzene Copolymer. Water air and soil pollution. Vol: 228 (8), article no: 276, 2017
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- 3 **Stoia, M***; Muntean, E; Pacurariu, C, Ciprian M, Thermal behavior of MnFe₂O₄ and MnFe₂O₄/C nanocomposite synthesized by a solvothermal method. Thermochemica Acta. Vol: 652, pp: 1-8, 2017
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1. G. Gavris, **Stoia M**, O. Stanasel, S. Hodisan, Comparative Study on Lead(II) and Cadmium(II) Recovery from Solutions by Chemical Precipitation./ *Chem. Bull. "POLITEHNICA" Univ. (Timisoara)*. Vol: 55, pp: 143, 2010
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1. M. Stefanescu, O. Stefanescu, M. Stoia, The synthesis of the Ni, Zn ferrite through thermal conversion of carboxylic forerunners resulted in the reaction between metallic nitrates and different polyols. Proceedings RICCCCE XIV, Vol: 1, Section 8, 2005, pg. S08-29-37

LISTA GRANTURILOR / CONTRACTELOR DE CERCETARE – DEZVOLTARE - INOVARE

Granturi de cercetare-dezvoltare-inovare obținute prin competiție la nivel național

1. **PN-II-RU-TE-2014-4-0514**, 2015-2017, „Dezvoltarea de materiale compozite magnetice nanostructurate utilizate ca nanoadsorbanti si catalizatori de înaltă performanță in aplicații de mediu”, 550 000 RON, **director de proiect**
2. PN II Parteneriate, 26/2007, 2007-2010, „Cercetari complexe privind obtinerea si proprietatile magnetice ale sistemelor de nanoparticule ferimagnetice de $\text{Co}_8\text{Fe}_{3-\delta}\text{O}_4$ surfactate/nesurfactate si biocompatibile cu potentiale aplicatii in terapia cancerului”, coordonator, Universitatea de Vest din Timișoara, membru
3. CEEEX PC-D04-PT04-259/2005-2007, subcontract 4/ contract 37, Obținerea prin metode alternative de nanocristale de TiO_2 dopate cu ioni metalici. Studiul aplicatiilor pentru sanatate, biologie si mediu, conducator de proiect ICEMC Timisoara, 33.000 RON/2005-2007, membru
4. Grant CNCSIS tip A 648/2005, 2006, Nanocompozite de tip $\text{Ni}_x\text{Zn}_{(1-x)}\text{Fe}_2\text{O}_4$ cu proprietati magnetice dirijate, obtinute prin doua metode neconventionale de sinteza, originale, 25.000 RON, membru
5. Grant CNCSIS tip A, cod CNCSIS 728/2006,2007, Cercetari fundamentale si fundamental-aplicative privind sistemele de nanoparticule ferimagnetice, spinelice, disperse, membru

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Conf. dr. ing. Marcela Elena Stoia