

PERSONAL INFORMATION

IZABELL CRACIUNESCU



INCDTIM, Cluj-Napoca
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Sex femal
 Date of birth 16/01/1977
 Nationality romanian

POSITION WITHIN THE GRANT/PROJECT Researcher

WORK EXPERIENCE

Ian. 2001 – aug. 2001 Research Assistant , INCDTIM Cluj-Napoca
 Aug. 2001 – aug 2006 Scientific researcher
 Aug. 2006 - prezent Scientific researcher (3th grade)

EDUCATION AND TRAINING

2001 – 2011 Faculty of Chemistry, Univ. "Babes-Bolyai" Cluj-Napoca
 PhD
 1999 – 2000 Faculty of Chemistry, Univ. "Babes-Bolyai" Cluj-Napoca
 Master degree
 1995 - 1999 Faculty of Chemistry, Univ. "Babes-Bolyai" Cluj-Napoca
 Bachelor's degree in chemistry
 1991 – 1995 High school "Victor-Babes" Cluj-Napoca
 High school diploma

PERSONAL SKILLS

Mother tongue(s)	romanian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1

Communication skills ▪ Good communication skills

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Enter level	Proficient user	Proficient user	Proficient user	Proficient user

ANNEXES

Publication

- **New type of electrode material based on magnetic nanoparticles with high potential applicability in electrochemical sensors for nitrite detection**, George-Marian Ispas, Izabella Crăciunescu, Sebastian Porav, Rodica Turcu, Delia Gligor, **Sensors and Actuators A Physical**, 276, 2018, DOI 10.1016/j.sna.2018.03.032
- **Amperometric sensor based on HEMA hydrogels modified with Toluidine Blue for nitrite detection in water samples**, Maria-Alexandra Campean, Izabella Crăciunescu, Delia Gligor, **Materials Chemistry and Physics**, 200, 2017, DOI 10.1016/j.matchemphys.2017.07.057
- **Photopyroelectric Characterization of Magnetic Nanofluids. Influence of Type and Size of Nanoparticles on the Thermal Parameters**, D. Dadarlat, Izabell Craciunescu, Rodica Paula Turcu, Carmen Tripon, **International Journal of Thermophysics** 38(6), 2017, DOI 10.1007/s10765-017-2227-5
- **Synthesis and characterization of size-controlled magnetic clusters functionalized with polymer layer for wastewater depollution**, Izabell Craciunescu, Anca Petran, Jurgen Liebscher, Rodica Paula Turcu, **Materials Chemistry and Physics** 185, 2016, DOI 10.1016/j.matchemphys.2016.10.009
- **Magnetic microgels, a promising candidate for enhanced magnetic adsorbent particles in bioseparation: Synthesis, physicochemical characterization, and separation performance**, Rodica Turcu, Vlad Socoliuc, Izabell Craciunescu, Anca Petran, Anja Paulus, Matthias Franzreb, Eugeniu Vasilea, Ladislau Vekas, **Soft Matter** 11(5) 2014, DOI 10.1039/C4SM02430C
- **Magnetic microgels, a promising candidate for enhanced magnetic adsorbent particles in bioseparation: synthesis, physico-chemical characterization and separation performance** Rodica Turcu, Vlad Mircea Socoliuc, Izabell Craciunescu, Anca Petran, Anja Paulus, Matthias Franzreb, Eugeniu Vasile and Ladislau Vekas, **Soft Matter**, 2014, DOI: 10.1039/C4SM02430C
- **Synthesis, characterization and drug delivery application of the temperature responsive pNIPAA hydrogel**, I Craciunescu, A Nan, R Turcu, I Kacso, I Bratu, C Leostean, L Vekas, **Journal of Physics: Conference Series** 182 (2009) 012060
- **Smart composites based on magnetic nanoparticles and responsive polymers**, R Turcu, A Nan, I Craciunescu, O Pana, C Leostean, S Macavei, **Journal of Physics: Conference Series** 182 (2009) 012081

Books/Books chapter

1. **“Conducting polypyrrole shell as a promising covering for magnetic nanoparticle”**, A. Nan, I. Craciunescu, R. Turcu, **“FUNDAMENTAL AND APPLICATIONS OF CONDUCTING POLYMERS”**, editor Prof. Artur de Jesus Motheo, INTECH Open Access Publisher (2012) ISBN 978-953-307-696-5.
2. **„Magnetic Microgels: Synthesis and Characterization”**, R.Turcu, I.Craciunescu, A.Nan, **UPSCALING OF BIO-NANO-PROCESSES – Selective Bioseparation by Magnetic Particles – Hermann Nirschl, Karsten Keller ed., Springer, 2014.**

Patents

- **Nan, R. Turcu, I. Craciunescu, J. Liebscher**, Synthesis of magnetic nanostructures based on polypyrrole functionalized with peptides, RO-A/00401 –15.07.2008.
- **A. Nan, S. Karsten, S. Kallane, I. Craciunescu, R. Turcu, J. Liebscher**, Functionalized nanoparticles with carbohydrates, RO-A/00997 – 08.12.2009.

Projects.

- 10 national research projects (as a participant);
- 3 research grants (as principal investigator):
- **“Study of nanostructured conducting polymers properties with applicability in the retention of metal ions from solutions”** - Horia Hulubei Grant;
- **“Synthesis and study of nanostructured polypyrrole properties with applicability in the detection of metal ions from solutions”** - Grant CNCIS - AT nr.33537 / 07.01.2003
- **“Synthesis and study of nanostructured polypyrrole properties with applicability in the detection of metal ions from solutions”** - Grant CNCIS AT - extension no 114/2004
- 3 international research projects:
- **FP6-NMP- NoE 2004-2008 No. 500361-2 NANOFUNPOLY - Nanostructured and Functional Polymer-Based Materials and Nanocomposites (2007 – 2009);**
- **FP7-NMP - Large 2009-2013 No. 229335 MAGPRO²LIFE - Advanced Magnetic nanoparticles deliver smart Processes and Products for Life (2009 – 2013);**
- **COST TD 1402 RADIOMAG - Multifunctional Nanoparticles for Magnetic Hyperthermia and Indirect Radiation Therapy (2014 -2018).**



Curriculum Vitae

Replace with First name(s) Surname(s)