





INFORMATII PERSONALE

IZABELL CRACIUNESCU


 INCDTIM, Cluj-Napoca
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Sex feminin

Data nasterii 16/01/1977

Nationalitate Romana

POZITIA

Cercetator stiintific

Experienta profesionala

Ian. 2001 – aug. 2001

Asistent cercetare , INCDTIM Cluj-Napoca

Aug. 2001 – aug 2006

Cercetator stiintific

Aug. 2006 - prezent

Cercetator stiintific ,grad III

Educatie si formare

2001 – 2011

 Facultatea de Chimie si Inginerie Chimica, Universitatea "Babes-Bolyai" Cluj-Napoca
 PhD

1999 – 2000

 Facultatea de Chimie si Inginerie Chimica, Universitatea "Babes-Bolyai" Cluj-Napoca
 Master

1995 - 1999

 Facultatea de Chimie si Inginerie chimica, Universitatea "Babes-Bolyai" Cluj-Napoca
 Licentiat in chimie

1991 – 1995

 Liceul "Victor-Babes" Cluj-Napoca
 Diploma de bacalaureat

Competente personale

 Limba materna
 Alte limbi straine

romana

INTELEGERE

VORBIRE

SCRIERE

Ascultare

Citire

 Participare la
 conversatie

Discurs oral

Engleza

B1

B1

B1

B1

B1

Competente de comunicare

▪ Bune competente de comunicare

Competente digitale

SELF-ASSESSMENT

Procesarea informatiei	Comunicare	Creare de continut	Securitate	Rezolvare de probleme
Nivel	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Anexe

Publicatii (lista selectata)

- **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

Carti/Capitole de carte

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.**

Patente

- **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.

Proiecte

- 10 proiecte nationale (participant);
- 3 granturi de cercetare (conducator de grant):
- **“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 CNCSIS - AT nr.33537 / 07.01.2003
- **“Synthesis and study of nanostructured polypyrrole properties with applicability in the detection of metal ions from solutions”** - Grant CNCSIS AT - extension no 114/2004
- 3 proiecte internationale:
- **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)