

CURRICULUM VITAE

Personal information

First name(s) / Surname(s)	Narcisa Marangoci	
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E-mail	nmarangoci@icmpp.ro	
Nationality	Romanian	
Date of birth	15.03.1977	
Sex	Feminine	

Work experience

Dates	September 2005 – present
Occupation or position held	Scientific Researcher
Main activities	Research on the synthesis, characterization and applications of functional polymers and supramolecular compounds synthesis of aromatic ligands and Metal-Organic Frameworks with various metals; evaluation of novel Metal-Organic Frameworks properties (structural characterization, thermal and chemical stability, gas sorption capacity); synthesis and characterization supramolecular systems type host-guest interaction with biomedical application, structure – property relationship evaluation; supervision of PhD and master students, implementation and coordination of different projects; identification and acquisition of needed research equipment.
Name and address of employer	Centre of Advanced Research in Bionanoconjugates and Biopolymers, “Petru Poni” Institute of Macromolecular Chemistry, Aleea Grigore Ghica Voda nr. 41A, cod postal 700487, Iasi, Romania.
Type of business or sector	Scientific Research

Education and training

Dates	11.2011-12.2013
Title of qualification awarded	PhD in <i>Chemistry</i>
Principal subjects/occupational skills covered	Thesis title: „Synthesis and characterization of new cyclodextrin inclusion compounds and biologically active polymers”.
Name and type of organisation providing education and training	“Petru Poni” Institute of Macromolecular Chemistry, Iasi
Dates	10.2006-2008
Title of qualification awarded	Master’s degree in “Projects management”
Principal subjects/occupational skills covered	Financial management, human resources management, Project implementation
Name and type of organisation providing education and training	„Al. I. Cuza” University, ELITEC
Dates	09. 2001 – 06. 2002
Title of qualification awarded	Master’s degree in “Polymeric biomaterials”

Principal subjects/occupational skills covered	Thesis title: „Cyclodextrins chemical modifications ” Biopolymers, biodegradation and biostability, polymer processing, characterization methods
Name and type of organisation providing education and training	„Gh. Asachi” Technical University, Iasi, Faculty of Industrial Chemistry
Dates	1996 – 2000
Title of qualification awarded	Bachelor’s Degree in Ecology and Environmental Protection
Principal subjects/occupational skills covered	Biology, organic and inorganic chemistry, ecology, biophysics,
Name and type of organisation providing education and training	“Al. I. Cuza” University, Faculty of Biology, Ecology specialization, Iasi, Romania
Personal skills and competences	Good communication capacity Able to work in a team and under pressure.
Organisational skills and competences	During the PhD thesis elaboration I was involved in various national and international projects. I participated to various seminars and laboratory demonstrations related to the applications of different synthesis techniques and characterization of macromolecular compounds
Technical skills and competences	Advanced knowledge of chemical synthesis techniques. Advanced knowledge of physical characterization techniques (NMR, IR, DSC, MS, potentiometry, etc.)

List of publications

Articles

2016

*Rosca, I., Petrovici, A. R., Brebu, M., Stoica, I., Minea, B., **Marangoci, N.**, 2016. A new and original method to produce acetaldehyde and diacetyl from yeast fermentation. *Brazilian Journal of Microbiology* (in press). (ISI 0.592)

*B. Minea, V. Nastasa, A. Kolecka, M. Mares, **N. Marangoci**, I. Rosca, M. Pinteala, M. Hancianu, M. Mares. Etiologic agents and antifungal susceptibility profile in diabetes and HIV-infected Romanian patients with oral candidosis; *Polish Journal Of Microbiology* Volume: 65 Issue: 1 Pages: 123-129 (ISI 0.697)

*Minea, B., **Marangoci, N.**, Peptanariu, D., **Rosca, I.**, Nastase, V., Corciova, A., Varganici, C.-D., Nicolescu, A., Fifere, A., Neamtu, A., Mares, M., Barboiu, M., Pinteala, M.; Inclusion complexes of propiconazole nitrate with substituted β -cyclodextrins. Synthesis, *in silico* and *in vitro* assessment of antifungal properties. *New Journal of Chemistry*, 40, 1765-1776. (ISI 3.086)

2015

*B. Minea, V. Nastasa, R. F. Moraru, A. Kolecka, M. M. Flonta, I. Marincu, A. Man, F. Toma, M. Lupse, B. Doroftei, **N. Marangoci**, M. Pinteala, T. Boekhout, M. Mares
Species distribution and susceptibility profile to fluconazole, voriconazole and MXP-4509 of 551 clinical yeast isolates from a Romanian multi-centre study
Eur. J. Clin. Microbiol., publicat online, 34(2):367-83 DOI: 10.1007/s10096-014-2240-6 (2015). (ISI 2.544)

*C.D. Varganici, **N. Marangoci**, L. Rosu, C. Barbu-Mic, M. Pinteala, B. C. Simionescu, D. Rosu
TGA/DTA-FTIR-MS coupling as analytical tool for confirming inclusion complexes occurrence in supramolecular host-guest architectures; *Journal of Analytical and Applied Pyrolysis* Volume: 115 Pages: 132-142 DOI: 10.1016/j.jaap.2015.07.006 (ISI 3.070)

*A. Corciova; C. Ciobanu, A. Poiata, C. Mircea, A. Nicolescu, M. Drobeta, C. D. Varganici, T. Pinteala, **N. Marangoci***
Antibacterial and antioxidant properties of hesperidin: cyclodextrin complexes obtained by different techniques
J. Inclusion. Phenom. Macrocyclic. Chem, 2015 Volume 81, Issue 1-2, pp 71-84 (ISI 1.426)

2014

*A. Corciova, C. Ciobanu, A. Poiata, A. Nicolescu, M. Dobrota, C.D. Varganici, T. Pinteala, A. Fifere, C. Mircea **N. Marangoci***
Inclusion complexes of hesperidin with hydroxypropyl- β -cyclodextrin. Physico-chemical characterization and biological assessment
Dig. J. Nanomater. Bios., Vol. 9, No. 4, p. 1623 -1637 (ISI 1.123)

***N. Marangoci**, S.S. Maier, R. Ardeleanu, A. Arvinte, A. Fifere, A.R. Petrovici, A. Nicolescu, V. Nastasa, M. Mares, S.A. Pasca, R.F. Moraru, M. Pinteala, A. Chiriac
 Low Toxicity β -Cyclodextrin-Caged 4,4'-Bipyridinium-bis(siloxane): Synthesis and Evaluation
Chem. Res. Toxicol.; 27, 546–557. (ISI 4.19)

2013

* A. Fifere, **N. Marangoci**, M. Pinteala B. C. Simionescu

Theoretical investigation on β -cyclodextrin inclusion compounds with protonated sulconazole by semi-empirical AM1 and PM3 calculation

International Journal of Chemical Modeling, 5(2/3), 165-178 (2013).

(at NOVA Science Publishers, New York, USA, ISSN: 19413955, Indexed by Chemical abstract Services of American Chemical Society, Scirus, Scopus).

* A Neamtu, **N. Marangoci**, V. Harabagiu, Cyclodextrin/propiconazole Complexes Probed by Constraint Free and Biased Molecular Dynamics Simulations; *Revista de Chimie*, 2013, 64(5), 502-508. (ISI 0.536)

Grants/Projects: as coordinator

No.	Project	Period	Budget (Euros)
1.	POC-A.1-A.1.1.1.-F. 2015 - Proiecte de investitii pentru institutii publice de CD/universitati <i>"Institutul de Chimie Macromoleculara "Petru Poni" -Pol interdisciplinar de specializare inteligenta prin cercetare-inovare si transfer tehnologic in (bio/nano)materiale polimere si (eco)tehnologii" – Director de proiect</i>	2016-2019	14 100 000
2.	POC – A1-A1.1.4.-E -2015 Atragerea de personal cu competente avansate din strainatate pentru consolidarea capacitatii de CD <i>"Polimeri coordinativi porosi noi cu liganzi organici de dimensiuni variabile pentru stocarea gazelor"- Manager proiect</i>	2016-2020	1 900 000
3.	Biomedicine and Molecular Biosciences COST Action BM0903 - Coordonator Romania http://www.cost.eu/COST_Actions/bmbs/BM0903?management	2009-2013	

Projects/Grants: partner team leader

No.	Project	Period	Budget (Euro)
1	Plan sectorial - Evaluarea potentialului românesc de cercetare în domeniul chimiei și elaborarea strategiei naționale de cooperare internațională" - Responsabil proiect	2011-2012	250 000
2	POSCCE Centre for Advanced Research in Bionanoconjugates and Biopolymers (Intelcentru) (proiect 88, SMIS 2213, no 3/2009) - Expert tehnic	2009-2012	4700000
3	FP 6 - European Polysaccharide Network Of Excellence" (EPNOE)- responsabil financiar	2005-2008	250000
4	FP 6 - Romanian Action for Integrating, Networking and Strengthening the ERA (RAINS); - responsabil financiar	2005-2008	800000
5	FP 6 - Re-engineering of natural stone production chain through knowledge based processes, eco-innovation and new organisational paradigm" (I-STONE)- responsabil financiar	2005-2008	130975