

## Curriculum vitae



### INFORMATII PERSONALE

Nume, Prenume: **PINTEALA Mariana**

Data nașterii: 01.05.1958

Nationalitate: Romana

Adresa instituțională: Aleea Grigore Ghica-Vodă, nr. 41A, 700487 Iași, România

Adresa personală: Str. Th. Văscăuțeanu, nr. 2, 700465 Iași, România

Cod ORCID: <https://orcid.org/0000-0002-4021-982X>

Scopus Author ID: 6603789888

BrainMap ID: U-1700-038P-7183

ResearcherID: B-8679-2011.

URL pentru web site: <https://www.icmpp.ro>: Institutul de Chimie Macromoleculara “P Poni” (ICMPP), Iasi, Romania si <http://www.intelcentru.ro/en>: Centru de cercetari avansate pentru bionanoconjugate si biopolimeri, department al ICMPP

### EDUCAȚIE

- 1990 - 1995 Doctorat, Universitatea Tehnică “Gh. Asachi”, Iași, România, Departamentul Polimeri Naturali și Sintetici, coordinator Acad. Bogdan C. Simionescu, titlul tezei de doctorat “Oligosiloxani carbofuncționali. Sinteză și caracterizare.” Diplomă de doctor Seria M, nr. 002065/28.06.1995
- 1979 – 1984 Licență & Master în Inginerie Chimică Organică, Universitatea Tehnică “Gh. Asachi” (fost “Institutul Politehnic”), Iași, România

### STUDII POST-DOCTORALE

- 2000 – 2008 23 luni (6/2000, 3/2003, 11/2004-5, 3/2008) la Universitatea Detroit Mercy, USA (Prof. S. Schlick)
- 2000 – 2010 4 stagii de cercetare (2 săptămâni/stagiu) la “L’Ecole des Mines du Paris”, France (Dr. P. Navard)
- 1996 – 1998 14 luni (6/1996, 3/1997, 5/1998) la Universitatea CNRS-Evry-Val d’Essonne , Paris, France (Prof. H. Cheradame)

### POZIȚIA ACTUALĂ

- 2010 – prezent Coordonator al departmentului Centru de cercetari avansate pentru bionanoconjugate și biopolimeri (IntelCentru, [www.intelcentru.ro](http://www.intelcentru.ro)) din cadrul ICMPP, Iași, România; Coordonator Subprogram Academia Română (2021-2027): „Structuri supramoleculare bio-inspirate si materiale avansate cu aplicatii in tehnologii emergente”
- 2007 – prezent Cercetator Stiintific Grad I, ICMPP, Iași, România
- 2010 – prezent Conducător de doctorat, conform Ordinului Ministrului Educației, Cercetării și Tineretului și Sportului 4631/11.08.2010, în cadrul școlii doctorale SCOSAAR, Domeniul de doctorat: CHIMIE

### POZIȚII ANTERIOARE

- 1996 – 2006 Cercetator Stiintific Grad II (2000-2006), Cercetator Stiintific Grad III (1996-2000), ICMPP, Iasi, Romania
- 1990 – 1995 Cercetator stiintific, ICMPP, Iași, România
- 1987 – 1990 Inginer chimist, ICMPP, Iași, România
- 1986 – 1987 Inginer chimist, Institutul de cercetari farmaceutice, Iași, România
- 1984 – 1986 Inginer chimist stagiar, Antibiotice, Iași, România
- 1989 – 1991 Asistent universitar asociat, Universitatea Tehnică “Gh. Asachi”, Catedra Chimie Organică

## BURSE ȘI PREMII

- 2021 Medalia de aur INVENTCOR, Deva 2020, pentru brevet A/01055/05.12.2018: Vertical(electro)magnetic separator of isomagnetic nanoparticles
- 2016 - 2017 Senior Fulbright
- 2017 Premiul pentru excelență în chimie macromoleculară - ACS Chemistry for life
- 2016 Diplomă de excelență pentru activitatea de cercetare științifică și tehnologică desfășurată în cadrul cooperării bilaterale România-Franța, Programul Brâncuși-Hubert-Curien pentru perioada 2015-2016
- 2015 Premiul Societatii de Chimie din România
- 1994 Premiul Academiei Române "N. Teclu"

## INDRUMATOR DOCTORANZI, STUDENȚI, MASTERANZI ȘI POSTDOCTORANZI

- 2010 – prezent 17 doctoranzi (13 teze finalizate, 4 teze în desfășurare), coordonare a 15 postdoctoranzi, 10 studenți și masteranzi, mentor pentru proiecte de cercetare postdoctorală.

## ORGANIZARE DE CONFERINȚE ȘTIINȚIFICE

- Comitete științifice **2013** - 12<sup>th</sup> International Conference on Colloid and Surface Chemistry, 9-11 mai, 2013, Iași, România (<https://icmpp.ro/events/conferences/ccsc2013.html>); **2018** - Balkan Fungus 13-15 septembrie, 2018 Timișoara, România (<http://balkanfungus.eu/>)
- 2017, 2018** Organizator a Simpoziului Cristofor I. Simionescu, Frontiers of Macromolecular and Supramolecular Science Symposia, (<https://www.icmpp.ro/ro/events>)
- 2012 – prezent** Organizare 6 traininguri și 20 cursuri dedicate specializării membrilor grupului de cercetare cu participarea unor personalități științifice internaționale.

## RESPONSABILITĂȚI INSTITUȚIONALE

- 2010 – prezent Coordonarea departamentului IntelCentru din punct de vedere științific și managerial.  
Activități științifice principale: sinteza și caracterizarea materialelor biomimetice cu aplicații biomedicale și a polimerilor/copolimerilor
- 2010 – prezent Membru al consiliului științific al ICMPP, responsabil cu deciziile privind organizarea și funcționarea institutului

## EVALUATOR

- 2017 – prezent Membru al mai multor comitete consultative ale scolilor doctorale (Universitatea de Medicina si Farmacie "Grigore T. Popa", Iasi; Universitatea "Al.I. Cuza", Iasi; Universitatea Tehnică "Gh Asachi", Iași, etc.)
- 2011 – prezent Membru în comisii științifice pentru evaluarea tezelor de doctorat: mai mult de 10 teze în România și membru în trei comitete științifice internaționale: Franța, Singapore, India.  
Membru în comisii de evaluarea a tezelor de abilitare la diverse instituții din țară (Universitatea de Medicina si Farmacie "Grigore T. Popa", Iasi; Universitatea "Al.I. Cuza", Iasi, Inst. "I. Murgulescu", București, etc.)  
Membru pentru evaluarea dosarelor pentru ocuparea pozițiilor CSI, conferențiar și profesor (Universitatea de Medicina si Farmacie "Grigore T. Popa", Iasi; Universitatea "Al.I. Cuza", Iasi, ICMPP, etc.)
- 2017 – 2020 Membru al Consiliului National de Atestare a Titlurilor, Diplomelor și Certificatelor

Universitare, Ministerul Educației, România

2010 –prezent Evaluator științific: ELSEVIER (*J Mol Liq, Mater Sci Eng C, Carbohyd Polym, J. Mol Catal B Enzym, Chem Eng J, Bioorg Chem, Arab J Chem*), ACS (*Macromolecules, ACS Nano*), RSC (*Phys Chem Chem Phys*), MDPI (*Polymers, Molecules*)

2020-prezent Editor asociat: *Journal of Enzyme Inhibition and Medicinal Chemistry*

### MEMBRU AL SOCIETĂȚILOR ȘTIINȚIFICE

2010 - Asociația Generală a Inginerilor din România  
Societatea de Chimie din România (<http://www.schr.ro>)

### INDICATORI:

Conform Web of Science sub numele de Pinteala M și Pintela M sunt identificate 173 de lucrări științifice în jurnale cotate ISI, 14 lucrări proceedings, 5 meeting abstract, 3 articole review și 3 capitole carte.

Conform Web of Science H-index (Pinteala M și Pintela M) este de 25, iar numărul total de citări este de 1809 fără autocitări, media citărilor/articol 11.37.

Conform Google Scholar, Pinteala M are un H-index de 29 și un total citări de 2916, dintre care 1658 după anul 2016.

La publicațiile recunoscute ISI de poate adauga și faptul că sunt co-autor la 1 carte și 22 capitole carte publicate în edituri românești și internaționale de prestigiu. Am fost editor pentru cartea “New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications”, editura Spinger Nature (sunt autor corespondent pentru 4 capitole) și sunt co-autor la 23 articole științifice publicate în reviste ne-cotate ISI, dar recunoscute CNCSIS și 7 publicații în extenso apărute în volumele unor conferințe naționale și internaționale.

De asemenea, sunt co-autor la 5 brevete de invenție și sunt co-autor la peste 200 de prezentări și postere susținute la manifestări naționale și internaționale.

Dr. Mariana Pinteala ca si autor principal a fost citată în jurnale de prestigiu, cum ar fi: MaterialsToday-Elsevier; Journal of Molecular Structure – Elsevier; International Journal of Biological Macromolecules– Elsevier; Journal of Drug Delivery Science and Technology– Elsevier; European Journal of Pharmaceutical Sciences– Elsevier; Carbohydrate– Elsevier; Biomaterials– Elsevier; Langmuir- ACS; etc.

### Conferinte plenare:

**2013:** *Cross-linking collagen towards multifunctional biomaterials*; G. David, C.Balhui, R. Diaconescu, M. Pinteala, European Symposium on Biopolymers (*ESBP 2013*), 7-9 Oct. 2013, Lisabona, Portugalia,

**2016, 2017, 2018:** **Frontiers of Macromolecular and Supramolecular Science**, conferinte plenare bazate doar pe invitatii (<https://pubs.rsc.org/en/content/articlelanding/2018/py/c8py90063a#divAbstract>)

2016: *Gene Therapy through Non-viral Vectors based on Polyrotaxane Structures*, Frontiers of Macromolecular and Supramolecular Science ,  
<https://icmpp.ro/ro/events/conferences/eighth/Program%20CIS2016.pdf>;

2017: *Design of Gene-activated Matrix for Bone Repair*, Frontiers of Macromolecular and Supramolecular Science  
<https://icmpp.ro/ro/events/conferences/nineth/Program%20CIS%202017.pdf>;

2018: *Dynamic Systems with Tunable Properties for in vitro Nucleic Acids Delivery*, Frontiers of Macromolecular and Supramolecular Science  
<https://www.icmpp.ro/events/conferences/cristoforix/program.pdf>;

**2019:** *Drug delivery systems and gene therapy non-viral vectors. Design and applications*, EuroNano Forum, Nanotechnology under H2020 and beyond, sub presedentia Romana, 12-14 Iunie 2019, Bucuresti, Romania (<https://www.euronanoforum2019.eu/speakers-2/>)

**2021:** *Non-viral vectors for gene therapy*, Polymer Science and Composite Materials Conference, 05-07 Iulie 2021, Barcelona.

**2022:** (keynote presentation): *Non-Viral Vectors-Based Polycations as Polyplexes for Gene Therapy. Design and Characterization*, INTERNATIONAL CHEMISTRY CONFERENCE, 27-29 June 2022, Virtual, Honorable Conference Chair: prof. Geoffrey Robert Mitchell.

**2023:** (keynote presentation): *Gold nanoparticles as non-viral vectors for gene therapy*, CHEMMEET (International Chemistry Conference), June 26-28, 2023, Madrid, Spania.

### **Invited speaker:**

**2009:** *Nanovectori non-virali bogati în arginine pentru transportul de gene: un nou concept în nanomedicină*, Întâlnirea inter-academică a Academiiilor de Științe din țările UE, Paris, Franța

**2014:** *Non-viral vectors for gene therapy*; C. M. Uritu, A. I. Dascalu, D. Peptanariu, S. Maier, B. C. Simionescu, M. Pinteala; 3<sup>ème</sup> Colloque Franco-Roumain de Chimie Médicinale, Iasi, 30-31.10.2014

*Raft-mediated copolymerization of n-(2-hydroxypropyl)methacrylamide with N-acryloxysuccinimide and subsequent modification of the copolymer*; I. M. Simionca, J. Moraes, H. Ketari, Harm-Anton Klok, Mariana Pinteala; The 2nd CEEP Workshop on Polymer Science, Iasi, Romania, 24-25.10.2014

*Electrodeposition Comparatif Des Ni-Co Nanoparticules Sur Matériaux De Carbone Et Leur Efficacité Dans L'oxydation Electrochimique Du Glucose*; A. Arvinte, F. Doroftei, M. Pinteala; 8<sup>ème</sup> Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA), Montpellier, Franta, 15-17.09.2014.

*Formation des nanoparticules métalliques par ablation induite par LASER en milieu liquide (LAL)*; C. Mihasan, F. Doroftei, A. Dascalu, L. Ursu, A. Angheluta, M. Velegakis, M. Pinteala; 8<sup>ème</sup> Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA), Montpellier, Franta, 15-17.09.2014

**2017:** *Non-viral vectors for gene therapy*, FFSCI-NanoScience/EMN, Dubrovnik, Croatia, 3-7 Mai 2017

**2018:** *Nanocarriers-Based Polycations as Polyplexes for Gene Therapy. Design and Characterization*, 9<sup>th</sup> World Gene Convention, 13-15 Noiembrie 2018, Singapore (<http://www.bitcongress.com:80/wgc2018/scientificprogram6.asp>).

**2021:** *Terapia genică în stomatologie, Challenges of Dental Medicine during the SARS-COV2 pandemic*, 25-27 March, 2021, Iasi, Romania

**2022:** *Clima Lilia*, Pinteala Mariana, *Cationic polymers enclosed in supramolecular architectures aimed for nucleic acid delivery*, INTERNATIONAL CHEMISTRY CONFERENCE, 27-29 June

**2022:** Virtual, Honorable Conference Chair: prof. Geoffrey Robert Mitchell.

### **COLABORĂRI PRINCIPALE**

\*Prof. Aatto Laaksonen, Universitatea Stockholm, Suedia (aatto.laaksonen@mmk.su.se) în biomodelare: de la molecule la populații (<http://www.intelcentru.ro/5D-nanoP/>); \*Prof. Claudiu T. Supuran, (claudiu.supuran@unifi.it), pentru inhibitori și activatori selectivi ai anhidrazei carbonice, Universitatea Florence, Italia; \*Prof. emeritus Marc Abadie (abadie@univ-montp2.fr) în domeniul materialelor noi pentru fabricarea avioanelor, Universitatea Montpellier, Franța; \*Prof. Louise De Cola ([decola@unistra.fr](mailto:decola@unistra.fr)) pentru obținerea de materiale sensibile la stimuli pentru eliberarea țintită a secvențelor de ARN mici sau a altor biomolecule *in vivo*, Universitatea Louis Pasteur Strasbourg, Franța; \*Prof. Danny O'Hare (d.ohare@imperial.ac.uk) în dezvoltarea biosenzorilor, Departamentul de Bioinginerie, Imperial College, London, UK; \*Dr. Clemente Capasso (clemente.capasso@ibbr.cnr.it), în degradarea enzimatică a PET-ului, Institutul de Biostiinte și Bioresurse, Napoli, Italia; \*Dr. Mihai Barboiu în sinteza de materiale supramoleculare, Institutul European de Membrane, Montpellier, France; \*Acad. Maya Simionescu (maya.simionescu@icbp.ro), în domeniul imitării mecanismelor materiei vii prin chimia în cinci dimensiuni, Institutul de Biologie și Patologie Celulară "N. Simionescu", București, România.

## **COORDONARE ȘI IMPLEMENTARE PROIECTE REPREZENTATIVE (2010-prezent)**

**2022 - 2027** (Coordonator științific) *Orizont Europa ERA CHAIR BioMat4CAST* (2.5 ME) - "Petru Poni" Institute of Macromolecular Chemistry Multi-Scale In Silico Laboratory for Complex and Smart Biomaterials

**2023 – 2026** (Coordonator științific) *UEFISCDI F-PNRR-18-2022-0412* "Intelligent systems for cancer diagnosis and treatment"(IntelDots)

**2021 - 2023** (Director proiect) *PN-III-P4-ID-PCE-2020-1523*/Ctr. nr. 161 din 16/02/2021 "Vectori moleculari versatili, destinați transportului și eliberării de gene și medicamente, în lupta împotriva cancerului" (TM-Vector)

**2022 – 2023** (Coordonator tehnic) *European Social Fund for Regional Development, Competitiveness Operational Programme 2014-2020*, Axis 1, Action: 1.1.3, Proiect "Infra SupraChem Lab - Center for Advanced Research in Supramolecular Chemistry" (Contract 339/390015/25.02.2021, cod MySMIS: 108983)

**2015 – 2020** (Coordonator) *Horizon 2020 WIDESPREAD 2-2014: ERA Chairs: SupraChem Lab Project (no: 667387/2015)* "Laboratory of Supramolecular Chemistry for Adaptive Delivery Systems ERA Chair initiative"

**2012-2016** (Director proiect) *PN-II-ID-PCCE-2011-2-0028* „Biologically inspired systems for engineered structural and functional entities

**2009 – 2011** Am implementat în calitate de coordonator un proiect ce a condus la dezvoltarea unei infrastructuri specifice nanotehnologiei (IntelCentru: [www.intelcentru.ro](http://www.intelcentru.ro)), ce a permis crearea unui grup interdisciplinar și atragerea de fonduri pentru designul, sinteza și testarea de nanoconjugate pentru transport și eliberare controlată de gene sau medicamente.

*Sub conducerea mea, în calitate de coordonator al IntelCentru, în perioada 2011-prezent, au fost sau sunt în curs de implementare 18 proiecte (<https://www.intelcentru.ro/en/>) și au fost publicate mai mult de 500 de lucrări științifice.*

## **EXPERTIZA**

\*Sinteza de nanoconjugate (miez: Fulerena C<sub>60</sub>, ciclodextrina, magnetita, oxid de aur, oxid de ceriu) cu aplicații biomedicale; \*Complexi de incluziune ai ciclodextrinelor/ciclodextrinelor modificate cu diferite molecule bioactive; \*Pseudo- și polirotaxani ai ciclodextrinelor cu (co)polimeri; \*Sinteza și caracterizarea polimerilor și copolimerilor; \*Copolimerizare cationică, anionică, și radicalică; Evaluarea relației structură-proprietăți, analiza datelor și interpretare; \*Complexi interpolimerici; \*Analiza și purificarea antibioticilor; \*Spectroscopie ESR.

**APTITUDINI** \*Abilitate de a iniția și de a conduce proiecte de cercetare; \*Capacitate de a lua decizii la nivel administrativ și abilitatea de a coordona teme de cercetare independent sau ca membru în echipă; \*Capacitate de a lucra în granturi internaționale sau proiecte în parteneriat cu industria alături de echipe de cercetare din alte țări; \*Adaptabilitate la noi medii de cercetare și circumstanțe.



Dr. Mariana Pinteala  
pinteala@icmpp.ro

## Listă de lucrări științifice, capitole carte, brevete

## (a) Articole publicate în reviste cotate ISI (Web of Science -Thomson Reuters)

Nr. Crt.	Titlu articol	Autori	Jurnal	An	Vol.	Pag. început	Pag. sfârșit	Nr. articol	DOI
1.	Synthetic approaches to novel human carbonic anhydrase isoforms inhibitors based on pyrrol-2-one moiety.	Cristina M. Al-Matarneh, <b>M. Pinteala</b> , A. Nicolescu, M. Silion, F. Mocci, R. Puf, A. Angeli, M. Ferraroni, C. T. Supuran, S. Zara, S. Carradori, N. Paoletti, A. Bonardi, P. Gratteri	<i>JOURNAL OF MEDICINAL CHEMISTRY</i>	2024					<a href="https://pubs.acs.org/doi/epdf/10.1021/acs.jmedchem.3c02190">https://pubs.acs.org/doi/epdf/10.1021/acs.jmedchem.3c02190</a>
2.	Therapeutic Management of Malignant Wounds: An Update	Niculescu, AG; Georgescu, G ; Marinas, IC ; Ustundag, CB ; Bertesteanu, G ; <b>Pinteala, M</b> ; Maier, SS ; Al-Matarneh, CM ; Angheloiu, M ; Chifiriuc, MC	<i>CURRENT TREATMENT OPTIONS IN ONCOLOGY</i>	2024	25	97	126		10.1007/s11864-023-01172-2
3.	Alginate-coated calcium peroxide nanoparticles as a disinfectant for duodenoscope reprocessing	Turin-Moleavin, Ioana-Andreea; Sarghi, Alexandra; Ursu, Elena Laura; Sandu, Andreea-Isabela; Balan, Gheorghe; Rosca, Irina; Fifere, Adrian; <b>Pinteala, Mariana</b>	ACS APPLIED NANO MATERIALS	2023	6	23103	23113		10.1021/acsanm.3c04470
4.	Multilayer gold nanoparticles as non-viral vectors for targeting MCF-7 cancer cell	Craciun, Bogdan Florin; Clima, Lilia; Bostiog, Denisse-Iulia; Silion, Mihaela; Calin, Manuela; Peptanariu, Dragos; <b>Pinteala, Mariana</b>	BIOMATERIALS ADVANCES	2023	144	1	12	213201	10.1016/j.bioadv.2022.213201
5.	Novel antimicrobial iodo-dihydropyrrole2-one compounds	Al-Matarneh, Cristina M.; Nicolescu, Alina; Marinas, Ioana C.; Chifiriuc, Mariana C.; Shova, Sergiu; Silion, Mihaela; <b>Pinteala, Mariana</b>	FUTURE MEDICINAL CHEMISTRY	2023	15	1369	1391	0121	10.4155/fmc-2023-0121
6.	Revealing the supramolecular interactions of the bis(azopyrenyl)dibenzo-18-crown-6-ether system	Coroaba, Adina; AlMatarneh, Cristina; Vasiliu, Tudor; Ibanescu, Sorin-Alexandru; Zonda, Radu; Esanu, Irina; Isac, Dragos-Lucian; <b>Pinteala, Mariana</b>	JOURNAL OF MOLECULAR LIQUIDS	2023	374	1	15	121298	10.1016/j.molliq.2023.121298
7.	Nanocarriers of shRNA-Runx2 directed to collagen IV as a nanotherapeutic system to target calcific aortic valve disease	Voicu, Geanina; Mocanu, Cristina Anca; Safciuc, Florentina; Anghelache, Maria; Deleanu, Mariana; Cecoltan, Sergiu; <b>Pinteala, Mariana</b> ; Uritu, Criatina Mariana; Droc, Ionel; Simionescu, Maya; Manduteanu, Ileana; Calin, Manuela	MATERIALS TODAY BIO	2023	20	1	17	100620	10.1016/j.mtbio.2023.100620

8.	Towards regenerative audiology: Immune modulation of adipose-derived mesenchymal cells preconditioned with citric acid-coated antioxidant functionalized magnetic nanoparticles	Cumpata, Adeline Josephine; Peptanariu, Dragos; Lungoci, Ana-Lacramioara; Labusca, Luminita; <b>Pinteala, Mariana</b> ; Radulescu Luminita	MEDICINA	2023	59	1	18	587	10.3390/medicina59030587
9.	Dextran formulations as effective delivery system of therapeutic agents	Petrovici, Anca Roxana; <b>Pinteala, Mariana</b> ; Simionescu, Natalia	MOLECULES	2023	28	1	17	1086	10.3390/molecules28031086
10.	Complexes of ibuprofen thiazolidin-4-one derivatives with $\beta$ -cyclodextrin: Characterization and in vivo release profile and biological evaluation	Vasincu, Ioana Mirela; Aprotosoaei, Maria; Lupascu, Florentina; Iacob, Andreea-Teodora; Giusca, Simona-Eliza; Caruntu, Irina-Draga; Marangoci, Narcisa-Laura; Petrovici, Anca Roxana; Stanciu, Gabriela Dumitrita; Tamba, Bogdan-Ionel; Profire, Bianca-Stefania; Focsa, Alin-Viorel; <b>Pinteala, Mariana</b> ; Profire, Lenuta	PHARMACEUTICS, 15, Article 2492/1-19 (2023)	2023	15	1	19	2492	10.3390/pharmaceutics15102492
11.	New hydrogels nanocomposites based on chitosan, 2-formylboronic acid, and ZnO nanoparticles as promising disinfectants for duodenoscopes reprocessing	Ailincai, Daniela; Turin-Moleavin, Ioana-Andreea; Sarghi, Alexandra; Fifere, Adrian; Dumbrava, Oana; <b>Pinteala, Mariana</b> ; Balan, Gheorghe G.; Rosca, Irina	POLYMERS	2023	15	1	18	2669	10.3390/polym15122669
12.	Novel nanotherapeutic systems based on PEGylated squalene micelles for enhanced in vitro activity of	Craciun, Bogdan Florin; Sandu, Isabela Andreea; Peptanariu, Dragos; <b>Pinteala, Mariana</b>	POLYMERS	2023	15	1	29	4225	10.3390/polym15214225
13.	Carbonic anhydrase inhibitors bearing organotelluride moieties as novel agents for antitumor therapy	Petreni, Andrea; Iacobescu, Alexandra; Simionescu, Natalia; Petravici, Anca R.; Angeli, Andrea, Fifere, Adrian; <b>Pinteala, Mariana</b> ; Supuran, Claudiu T.	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	2022	244	1	13	114811	10.1016/j.ejmech.2022.114811
14.	Sulfonamide diuretic azosemide as an efficient carbonic anhydrase inhibitor	Ferraroni, Marta; Angeli, Andrea; <b>Pinteala, Mariana</b> ; Supuran, Claudiu T.	JOURNAL OF MOLECULAR STRUCTURE	2022	1268			133672	10.1016/j.molstruc.2022.133672
15.	Structural characterization and computational investigations of three fluorine-containing ligands with a terphenyl core	Dascalu, Ioan-Andrei; Isac, Dragos-Lucian; Shova, Sergiu; Balan-Porcarasu, Mihaela; Marangoci, Narcisa-Laura; <b>Pinteala, Mariana</b> ; Janiak, Christoph	JOURNAL OF MOLECULAR STRUCTURE	2022	1266			133474	10.1016/j.molstruc.2022.133474

16.	Quantification of Low Amounts of Zoledronic Acid by HPLC-ESI-MS Analysis: Method Development and Validation	Petrovici, Anca-Roxana; Sillion, Mihaela; Simionescu, Natalia; Kallala, Rami; <b>Pinteala, Mariana</b> ; Maier, Stelian S.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022	23			5944	10.3390/ijms23115944
17.	Solid-Phase Synthesized Copolymers for the Assembly of pH-Sensitive Micelles Suitable for Drug Delivery Applications	Ghiarasim, Razvan; Tiron, Crina Elena; Tiron, Adrian; Dimofte, Mihail-Gabriel; <b>Pinteala, Mariana*</b> ; Rotaru, Alexandru	NANOMATERIALS	2022	12			1798	10.3390/nano12111798
18.	Innovative Non-Enzymatic Electrochemical Quantification of Cholesterol	Carp, Oana Elena; <b>Pinteala, Mariana</b> ; Arvinte, Adina	SENSORS	2022	22			828	10.3390/s22030828
19.	VCAM-1 Targeted Lipopolyplexes as Vehicles for Efficient Delivery of shRNA-Runx2 to Osteoblast-Differentiated Valvular Interstitial Cells; Implications in Calcific Valve Disease Treatment	Voicu, Geanina; Rebleanu, Daniela; Mocanu, Cristina Ana; Tanko, Gabriela; Droc, Ionel; Uritu, Cristina Mariana; <b>Pinteala, Mariana</b> ; Manduteanu, Ileana; Simionescu, Maya; Calin, Manuela	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022	23	1	22	3824	10.3390/ijms23073824
20.	Pyrazolo[4,3-c]pyridine Sulfonamides as Carbonic Anhydrase Inhibitors: Synthesis, Biological and In Silico Studies	Angeli, Andrea; Kartsev, Victor; Petrou, Anthi; Lichitsky, Boris; Komogortsev, Andrey; <b>Pinteala, Mariana</b> ; Geronikaki, Athina; Supuran, Claudiu T	PHARMACEUTICALS	2022	15			316	10.3390/ph15030316
21.	SI-ATRP Decoration of Magnetic Nanoparticles with PHEMA and Post-Polymerization Modification with Folic Acid for Tumor Cells' Specific Targeting	Ghiarasim, Razvan; Simionescu, Natalia; Coroaba, Adina; Uritu, Cristina M; Marangoci, Narcisa Laura; Ibanescu, Sorin-Alexandru; <b>Pinteala, Mariana*</b>	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022	23			155	10.3390/ijms23010155
22.	Carbonic Anhydrase Inhibition with Sulfonamides Incorporating Pyrazole- and Pyridazincarboxamide Moieties Provides Examples of Isoform-Selective Inhibitors	Angeli, Andrea; Kartsev, Victor; Petrou, Anthi; <b>Pinteala, Mariana</b> ; Brovarets, Volodymyr; Vydzhak, Roman; Panchishin, Svitlana; Geronikaki, Athina; Supuran, Claudiu T	MOLECULES	2021	26			7023	10.3390/molecules26227023
23.	Development of Dextran-Coated Magnetic Nanoparticles Loaded with Protocatechuic Acid for Vascular Inflammation Therapy	Anghelache, Maria; Turtoi, Mihaela; Petrovici, Anca Roxana; Fifere, Adrian; <b>Pinteala, Mariana</b> ; Calin, Manuela	PHARMACEUTICS	2021	13			1414	10.3390/pharmaceutics13091414

24.	In silico study of PEI-PEG-squalene-dsDNA polyplex formation: the delicate role of the PEG length in the binding of PEI to DNA	Vasiliu, Tudor; Craciun, Bogdan Florin; Neamtu, Andrei; Clima, Lilia; Isac, Dragos Lucian; Maier, Stelian S; <b>Pinteala, Mariana*</b> ; Mocci, Francesca; Laaksonen, Aatto	BIOMATERIALS SCIENCE	2021	9	6623	6640	10.1039/d1bm00973g
25.	Antibacterial Polysiloxane Polymers and Coatings for Cochlear Implants	Cozma, Vlad; Rosca, Irina; Radulescu, Luminita; Martu, Cristian; Nastasa, Valentin; Varganici, Cristian-Dragos; Ursu, Elena-Laura; Doroftei, Florica; <b>Pinteala, Mariana*</b> ; Racles, Carmen	MOLECULES	2021	26		4892	10.3390/molecules26164892
26.	New Sulfanilamide Derivatives Incorporating Heterocyclic Carboxamide Moieties as Carbonic Anhydrase Inhibitors	Angeli, Andrea; Kartsev, Victor; Petrou, Anthi; <b>Pinteala, Mariana</b> ; Vydzhak, Roman M; Panchishin, Svitlana Y; Brovarets, Volodymyr; De Luca, Viviana; Capasso, Clemente; Geronikaki, Athina; Supuran, Claudiu T	PHARMACEUTICALS	2021	14		828	10.3390/ph14080828
27.	Structural Insights into Schistosoma mansoni Carbonic Anhydrase (SmCA) Inhibition by Selenoureido-Substituted Benzenesulfonamides	Angeli, Andrea; Ferraroni, Marta; Da'dara, Akram A.; Selleri, Silvia; <b>Pinteala, Mariana</b> ; Carta, Fabrizio; Skelly, Patrick J; Supuran, Claudiu T	JOURNAL OF MEDICINAL CHEMISTRY	2021	64	10418	10428	10.1021/acs.jmedchem.1c00840
28.	Tellurides bearing benzenesulfonamide as carbonic anhydrase inhibitors with potent antitumor activity	Angeli, Andrea; <b>Pinteala, Mariana</b> ; Maier, Stelian S.; Toti, Alessandra; Mannelli, Lorenzo Di Cesare; Ghelardini, Carla; Selleri, Silvia; Carta, Fabrizio; Supuran, Claudiu T	BIOORGANIC & MEDICINAL CHEMISTRY LETTERS	2021	45		128147	10.1016/j.bmcl.2021.128147
29.	Chromene-Containing Aromatic Sulfonamides with Carbonic Anhydrase Inhibitory Properties	Angeli, Andrea; Kartsev, Victor; Petrou, Anthi; <b>Pinteala, Mariana</b> ; Brovarets, Volodymyr; Slyvchuk, Sergii; Pilyo, Stepan; Geronikaki, Athina; Supuran, Claudiu T	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2021	22		5082	10.3390/ijms22105082
30.	New Insights on Hemp Oil Enriched in Cannabidiol: Decarboxylation, Antioxidant Properties and In Vitro Anticancer Effect	Petrovici, Anca Roxana; Simionescu, Natalia; Sandu, Andreea Isabela; Paraschiv, Vasile; Sillion, Mihaela; <b>Pinteala, Mariana*</b>	ANTIOXIDANTS	2021	10		738	10.3390/antiox10050738
31.	Electrochemical behaviour of piperine. Comparison with control antioxidants	Carp, Oana Elena; Moraru, Aurelian; <b>Pinteala, Mariana</b> ; Arvinte, Adina	FOOD CHEMISTRY	2021	339		128110	10.1016/j.foodchem.2020.128110

32.	Raman Spectroscopy, X-ray Diffraction, and Scanning Electron Microscopy as Noninvasive Methods for Microstructural Alterations in Psoriatic Nails	Chiriac, Anca E.; Azoicai, Doina; Coroaba, Adina; Doroftei, Florica; Timpu, Daniel; Chiriac, Anca; Pertea, Mihaela; Ursu, Elena-Laura; <b>Pinteala, Mariana</b>	MOLECULES	2021	26			280	10.3390/molecules26020280
33.	Probing the supramolecular features via pi-pi interaction of a di-iminopyrene-dibenzo-18-crown-6-ether compound: experimental and theoretical study	Coroaba, Adina; Isac, Dragos-Lucian; Al-Matarneh, Cristina; Vasiliu, Tudor; Ibanescu, Sorin-Alexandru; Zonda, Radu; Ardeleanu, Rodinel; Neamtu, Andrei; Timpu, Daniel; Nicolescu, Alina; Mocci, Francesca; Maier, Stelian S.; Laaksonen, Aatto; Abadie, Marc Jean Medard; <b>Pinteala, Mariana*</b>	RSC ADVANCES	2020	10	38304	38315		10.1039/d0ra06929a
34.	Chitosan Derivatives in Macromolecular Co-assembly Nanogels with Potential for Biomedical Applications	Rusu, Alina Gabriela; Chiriac, Aurica P.; Nita, Loredana Elena; Rosca, Irina; <b>Pinteala, Mariana</b> ; Mititelu-Tartau, Liliana	BIOMACROMOLECULES	2020	21	4231	4243		10.1021/acs.biomac.0c01008
35.	Synthesis, Computational Studies and Assessment of in Vitro Activity of Squalene Derivatives as Carbonic Anhydrase Inhibitors	Clima, Lilia; Craciun, Bogdan Florin; Angeli, Andrea; Petreni, Andrea; Bonardi, Alessandro; Nocentini, Alessio; Carta, Fabrizio; Gratteri, Paola; <b>Pinteala, Mariana</b> ; Supuran, Claudiu T	CHEMMEDCHEM	2020	15	2052	2057		10.1002/cmdc.202000500
36.	Smart Supra- and Macro-Molecular Tools for Biomedical Applications	<b>Pinteala, Mariana</b> ; Abadie, Marc J. M.; Rusu, Radu D.	MATERIALS	2020	13			3343	10.3390/ma13153343
37.	A follow-up study of the occupational hand eczema and skin damage risk in healthcare providers from Romania in time of COVID-19	Chiriac, Anca E.; Coroaba, Adina; Chiriac, Anca; <b>Pinteala, Mariana</b> ; Profire, Lenuta; Profire, Bianca; Azoicai, Doina	FARMACIA	2020	68	606	611		10.31925/farmaciana.2020.4.4
38.	Nano-Polyplexes Mediated Transfection of Runx2-shRNA Mitigates the Osteodifferentiation of Human Valvular Interstitial Cells	Voicu, Geanina; Rebleanu, Daniela; Constantinescu, Cristina Ana; Fuior, Elena Valeria; Ciortan, Letitia; Droc, Ionel; Uritu, Cristina Mariana; <b>Pinteala, Mariana</b> ; Manduteanu, Ileana; Simionescu, Maya; Calin, Manuela	PHARMACEUTICS	2020	12			507	10.3390/pharmaceutics12060507
39.	Single-walled carbon nanotubes-G-quadruple hydrogel nanocomposite matrixes for cell support applications	Ursu, Elena-Laura; Gavril, Gabriela; Morariu, Simona; <b>Pinteala, Mariana</b> ; Barboiu, Mihail; Rotaru, Alexandru	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2020	111			110800	10.1016/j.msec.2020.110800

40.	Crystal Structure of a Tetrameric Type II beta-Carbonic Anhydrase from the Pathogenic Bacterium <i>Burkholderia pseudomallei</i>	Angeli, Andrea; Ferraroni, Marta; <b>Pinteala, Mariana</b> ; Maier, Stelian S.; Simionescu, Bogdan C.; Carta, Fabrizio; Del Prete, Sonia; Capasso, Clemente; Supuran, Claudiu T.	MOLECULES	2020	25			2269	10.3390/molecules25102269
41.	Effect of TAT-DOX-PEG irradiated gold nanoparticles conjugates on human osteosarcoma cells	Lupusoru, Raoul, V; Pricop, Daniela A.; Uritu, Cristina M.; Arvinte, Adina; Coroaba, Adina; Esanu, Irina; Zaltariov, Mirela F.; Silion, Mihaela; Stefanescu, Cipriana; <b>Pinteala, Mariana*</b>	SCIENTIFIC REPORTS	2020	10			6591	10.1038/s41598-020-63245-8
42.	Sulfonamide Inhibition Studies of an alpha-Carbonic Anhydrase from <i>Schistosoma mansoni</i> , a Platyhelminth Parasite Responsible for Schistosomiasis	Angeli, Andrea; <b>Pinteala, Mariana</b> ; Maier, Stelian S.; Simionescu, Bogdan C.; Da'dara, Akram A.; Skelly, Patrick J.; Supuran, Claudiu T.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2020	21			1842	10.3390/ijms21051842
43.	New insights into human hair: SAXS, SEM, TEM and EDX for Alopecia Areata investigations	Coroaba, Adina; Chiriac, Anca E.; Sacarescu, Liviu; Pinteala, Tudor; Minea, Bogdan; Ibanescu, Sorin-Alexandru; Pertea, Mihaela; Moraru, Aurelian; Esanu, Irina; Maier, Stelian S.; Chiriac, Anca; <b>Pinteala, Mariana*</b>	PEERJ	2020	8			e8376	10.7717/peerj.8376
44.	Evaluation of Thio- and Seleno-Acetamides Bearing Benzenesulfonamide as Inhibitor of Carbonic Anhydrases from Different Pathogenic Bacteria	Angeli, Andrea; <b>Pinteala, Mariana</b> ; Maier, Stelian S.; Simionescu, Bogdan C.; Milaneschi, Andrea; Abbas, Ghulam; del Prete, Sonia; Capasso, Clemente; Capperucci, Antonella; Tanini, Damiano; Carta, Fabrizio; Supuran, Claudiu T.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2020	21			598	10.3390/ijms21020598
45.	Cytotoxic substituted indolizines as new colchicine site tubulin polymerisation inhibitors	Sardaru, Monica-Cornelia; Craciun, Anda Mihaela; Al Matarneh, Cristina-Maria; Sandu, Isabela Andreea; Amarandi, Roxana Maria; Popovici, Lacramioara; Ciobanu, Catalina Ionica; Peptanariu, Dragos; <b>Pinteala, Mariana</b> ; Mangalagiu, Ionel I.; Danac, Ramona	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	2020	35	1581	1595		10.1080/14756366.2020.1801671

46.	Optimization and influence of some physico-chemical parameters on the synthesis of chitosan-tripolyphosphate nanoparticles	Vasincu, Ioana-Mirela; Profire, Lenuta; Apotrosoaei, Maria; Petrovici, Anca Roxana; <b>Pinteala, Mariana</b> ; Jitareanu, Alexandra; Constantin, Sandra-Madalina	FARMACIA	2019	67	986	993	10.31925/farmaciana.2019.6.8
47.	In Vitro and In Vivo Antioxidant Activity of the New Magnetic-Cerium Oxide Nanoconjugates	Turin-Moleavin, Ioana-Andreea; Fifere, Adrian; Lungoci, Ana-Lacramioara; Rosca, Irina; Coroaba, Adina; Peptanariu, Dragos; Nastasa, Valentin; Pasca, Sorin-Aurelian; Bostanaru, Andra-Cristina; Mares, Mihai; <b>Pinteala, Mariana*</b>	NANOMATERIALS	2019	9		1565	10.3390/nano9111565
48.	Hard meso/macroporous iron oxide/iron silicate microspheres obtained by the multi-templating technique	Muresan, Emil Ioan; Pui, Aurel; Malutan, Teodor; Coroaba, Adina; Cimpoesu, Nicanor; Istrate, Bogdan; <b>Pinteala, Mariana</b>	JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY	2019	94	2888	2898	10.1002/jctb.6092
49.	Tunable Composition of Dynamic Non-Viral Vectors over the DNA Polyplex Formation and Nucleic Acid Transfection	Clima, Lilia; Craciun, Bogdan Florin; Gavril, Gabriela; <b>Pinteala, Mariana*</b>	POLYMERS	2019	11		1313	10.3390/polym11081313
50.	On the Charge-Transfer Excitations in Azobenzene Maleimide Compounds: A Theoretical Study	Isac, Dragos Lucian; Airinei, Anton; Maftai, Dan; Humelnicu, Ionel; Mocci, Francesca; Laaksonen, Aatto; <b>Pinteala, Mariana*</b>	JOURNAL OF PHYSICAL CHEMISTRY A	2019	123	5525	5536	10.1021/acs.jpca.9b02082
51.	beta-Cyclodextrin as a Functional Excipient Used for Enhancing the Diminazene Aceturate Bioavailability	Marangoci, Narcisa; Timpu, Daniel; Corciova, Andreea; Mircea, Cornelia; Petrovici, Anca-Roxana; Nicolescu, Alina; Ursu, Elena-Laura; Nastasa, Valentin; Bostanaru, Andra-Cristina; Mares, Mihai; Pertea, Mihaela; <b>Pinteala, Mariana*</b>	PHARMACEUTICS	2019	11			10.3390/pharmaceutics11060295
52.	Synergistic Effect of Low Molecular Weight Polyethylenimine and Polyethylene Glycol Components in Dynamic Nonviral Vector Structure, Toxicity, and Transfection Efficiency	Craciun, Bogdan Florin; Gavril, Gabriela; Peptanariu, Dragos; Ursu, Laura Elena; Clima, Lilia; <b>Pinteala, Mariana*</b>	MOLECULES	2019	24		1460	10.3390/molecules24081460
53.	Nitrosalicyl-imine-chitosan hydrogels based drug delivery systems for long term sustained	Craciun, Anda Mihaela; Tartau, Liliana Mititelu; <b>Pinteala, Mariana</b> ; Marin, Luminita	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2019	536	196	207	10.1016/j.jcis.2018.10.048

	release in local therapy								
54.	The first activation study of the beta-carbonic anhydrases from the pathogenic bacteria <i>Brucella suis</i> and <i>Francisella tularensis</i> with amines and amino acids	Angeli, Andrea; Del Prete, Sonia; <b>Pinteala, Mariana</b> ; Maier, Stelian S.; Donald, William A; Simionescu, Bogdan C.; Capasso, Clemente; Supuran, Claudiu T.	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	2019	34	1178	1185		10.1080/14756366.2019.1630617
55.	Inhibition of alpha-, beta-, gamma-, delta-, zeta- and eta-class carbonic anhydrases from bacteria, fungi, algae, diatoms and protozoans with famotidine	Angeli, Andrea; <b>Pinteala, Mariana</b> ; Maier, Stelian S.; Del Prete, Sonia; Capasso, Clemente; Simionescu, Bogdan C.; Supuran, Claudiu T.	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	2019	34	644	650		10.1080/14756366.2019.1571273
56.	Multifunctional magnetic cargo-complexes with radical scavenging properties	Lungoci, Ana-Lacramioara; Turin-Moleavin, Ioana-Andreea; Corciova, Andreea; Mircea, Cornelia; Arvinte, Adina; Fifere, Adrian; Marangoci, Narcisa Laura; <b>Pinteala, Mariana</b>	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2019	94	608	618		10.1016/j.msec.2018.10.013
57.	Dynamic constitutional chemistry towards efficient nonviral vectors	Ailincai, Daniela; Peptanariu, Dragos; <b>Pinteala, Mariana</b> ; Marin, Luminita	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2019	94	635	646		10.1016/j.msec.2018.10.002
58.	Electrochemical codeposition of silver-gold nanoparticles on CNT-based electrode and their performance in electrocatalysis of dopamine	Arvinte, Adina; Crudu, Irina-Alexandra; Doroftei, Florica; Timpu, Daniel; <b>Pinteala, Mariana</b>	JOURNAL OF ELECTROANALYTICAL CHEMISTRY	2018	829	184	193		10.1016/j.jelechem.2018.10.017
59.	Design and Synthesis of Polymer Coated Gold Nanoparticles, AuPEI-Glc-Tc-99m, for Targeted in vivo Imaging	Uritu, Cristina M.; Tamba, Bogdan I.; Dodi, Gianina; <b>Pinteala, Mariana</b> ; Ghizdovat, Vlad; Gutu, Mihai M.; Stefanescu, Cipriana	EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING	2018	45	S682	S683		
60.	Nonlinear Behaviors in Gene Therapy Theoretical and experimental aspects	Cioca, Gabriela; <b>Pinteala, Mariana</b> ; Bacaita, Elena Simona; Oprea, Iuliana; Tanasa, Irina Crumpei; Volovat, Simona Ruxandra; Dragan, Valentin Stelian; Trocaru, Sorin; Anton, Carmen	MATERIALE PLASTICE	2018	55	340	343		
61.	Thermal decomposition of polyimides containing phosphine-oxide units	Butnaru, Irina; Varganici, Cristian-Dragos; <b>Pinteala, Mariana</b> ; Lehner, Sandro; Bruma, Maria; Gaan, Sabyasachi	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS	2018	134	254	264		10.1016/j.jaap.2018.06.015

62.	Dendritic architectures as non-viral gene delivery vectors: challenges and perspectives	Rusu, Radu Dan; Clima, Lilia; <b>Pinteala, Mariana</b>	REVUE ROUMAINE DE CHIMIE	2018	63	581	592		
63.	Dynamic self-organizing systems for dna delivery	Pricope, Gabriela; <b>Pinteala, Mariana</b> ; Clima, Lilia	REVUE ROUMAINE DE CHIMIE	2018	63	613	+		
64.	Pegylated squalene: a biocompatible polymer as precursor for drug delivery	Craciun, Bogdan Florin; Vasiliu, Tudor; Marangoci, Narcisa; <b>Pinteala, Mariana</b> ; Clima, Lilia	REVUE ROUMAINE DE CHIMIE	2018	63	621	+		
65.	Polyplex formation between cyclodextrin-based non-viral vector and dsdna: molecular dynamic study with experimental validation	Vasiliu, Tudor; Cojocaru, Corneliu; Peptanariu, Dragos; Dascalu, Andrei Ioan; <b>Pinteala, Mariana</b> ; Rotaru, Alexandra	REVUE ROUMAINE DE CHIMIE	2018	63	629	+		
66.	Cation transport activity of the alkyl-ureido-benzo-15--crown-5-ethers through double layer lipid membranes	Zonda, Radu; Coroaba, Adina; Ibanescu, Sorin; Vasiliu, Tudor; Neamtu, Andrei; Sillion, Mihaela; Rusu, Teodora; <b>Pinteala, Mariana</b>	REVUE ROUMAINE DE CHIMIE	2018	63	665	+		
67.	Reusable biocatalyst by pepsin immobilization on functionalized magnetite nanoparticles	Dascalu, Ioan-Andrei; Ignat, Leonard; Ignat, Maurup-Elena; Doroftei, Florica; Belhacene, Kalim; Froidevaux, Renato; <b>Pinteala, Mariana</b>	REVUE ROUMAINE DE CHIMIE	2018	63	685	+		
68.	In vitro activity of echinocandins against 562 clinical yeast isolates from a Romanian multicentre study	Mares, Mihai; Minea, Bogdan; Nastasa, Valentin; Rosca, Irina; Bostanaru, Andra-Cristina; Marincu, Iosif; Toma, Vasilica; Cristea, Violeta Corina; Murariu, Carmen; <b>Pinteala, Mariana</b>	MEDICAL MYCOLOGY	2018	56	442	451		10.1093/mmy/myx059
69.	Biosynthesized dextran coated magnetic nanoparticles with antifungal activity	Lungoci, Ana Lacramioara; <b>Pinteala, Mariana</b> ; Petrovici, Anca Roxana; Rosca, Irina; Turin-Moleavin, Loana Andreea; Fifere, Adrian	REVUE ROUMAINE DE CHIMIE	2018	63	497	503		
70.	Biosynthesis of exopolysaccharides by Weissella confusa in a new culture medium	Petrovici, Anca Roxana; Rosca, Irina; Stoica, Irina; Sillion, Mihaela; Nicolescu, Alina; Dodi, Gianina; Simionescu, Natalia; Varganici, Cristian-Dragos; Ivanov, Iuliu Cristian; <b>Pinteala, Mariana</b>	ROMANIAN BIOTECHNOLOGICAL LETTERS	2018	23	13637	13646		
71.	Multimodal porous zirconium silicate macrospheres: Synthesis, characterization and application as catalyst in the ring opening reaction of epichlorohydrin with acrylic acid	Muresan, Emil Ioan; Lutic, Doina; Dobrota, Mioara; Coroaba, Adina; Doroftei, Florica; <b>Pinteala, Mariana</b>	APPLIED CATALYSIS A-GENERAL	2018	556	29	40		10.1016/j.apcata.2018.02.024

72.	Novel cyclodextrin-based pH-sensitive supramolecular host-guest assembly for staining acidic cellular organelles	Pricope, Gabriela; Ursu, Elena Laura; Sardaru, Monica; Cojocaru, Corneliu; Clima, Lilia; Marangoci, Narcisa; Danac, Ramona; Mangalagiu, Ionel I.; Simionescu, Bogdan C.; <b>Pinteala, Mariana</b> ; Rotaru, Alexandru	POLYMER CHEMISTRY	2018	9	968	975		10.1039/c7py01668a
73.	Multivalent polyrotaxane vectors as adaptive cargo complexes for gene therapy	Ardeleanu, Rodinel; Dascalu, Andrei I.; Neamtu, Andrei; Peptanariu, Dragos; Uritu, Cristina M.; Maier, Stelian S.; Nicolescu, Alina; Simionescu, Bogdan C.; Barboiu, Mihail; <b>Pinteala, Mariana*</b>	POLYMER CHEMISTRY	2018	9	845	859		10.1039/c7py01256j
74.	Inhibition of bacterial alpha-, beta- and gamma-class carbonic anhydrases with selenazoles incorporating benzenesulfonamide moieties	Angeli, Andrea; <b>Pinteala, Mariana</b> ; Maier, Stelian S.; Del Prete, Sonia; Capasso, Clemente; Simionescu, Bogdan C.; Supuran, Claudiu T.	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	2018	34	244	249		10.1080/14756366.2018.1547287
75.	Biocompatible chitosan based hydrogels for potential application in local tumour therapy	Olaru, Anda-Mihaela; Marin, Luminita; Morariu, Simona; Pricope, Gabriela; <b>Pinteala, Mariana</b> ; Tartau-Mititelu, Liliana	CARBOHYDRATE POLYMERS	2018	179	59	70		10.1016/j.carbpol.2017.09.066
76.	G-Quartet hydrogels for effective cell growth applications	Rotaru, Alexandru; Pricope, Gabriela; Plank, Taylor N.; Clima, Lilia; Ursu, Elena L.; <b>Pinteala, Mariana</b> ; Davis, Jeffery T.; Barboiu, Mihail	CHEMICAL COMMUNICATIONS	2017	53	12668	12671		10.1039/c7cc07806d
77.	Transfection-capable polycationic nanovectors which include PEGylated-cyclodextrin structural units: a new synthesis pathway	Dascalu, Andrei I.; Ardeleanu, Rodinel; Neamtu, Andrei; Maier, Stelian S.; Uritu, Cristina M.; Nicolescu, Alina; Sillion, Mihaela; Peptanariu, Dragos; Calin, Manuela; <b>Pinteala, Mariana*</b>	JOURNAL OF MATERIALS CHEMISTRY B	2017	5	7164	7174		10.1039/c7tb01722g
78.	Biomacromolecular-based ionic-covalent hydrogels for cell encapsulation: The atelocollagen - Oxidized polysaccharides couples	Luca, Andreea; Maier, Vasilica; Maier, Stelian S.; Butnaru, Maria; Danu, Maricel; Ibanescu, Constanta; <b>Pinteala, Mariana</b> ; Popa, Marcel	CARBOHYDRATE POLYMERS	2017	169	366	375		10.1016/j.carbpol.2017.04.046
79.	Optimization of Polyplex Formation between DNA Oligonucleotide and Poly(L-Lysine): Experimental Study and Modeling Approach	Vasiliu, Tudor; Cojocaru, Corneliu; Rotaru, Alexandru; Pricope, Gabriela; <b>Pinteala, Mariana</b> ; Clima, Lilia	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2017	18			1291	10.3390/ijms18061291

80.	DNA-assisted decoration of single-walled carbon nanotubes with gold nanoparticles for applications in surface-enhanced Raman scattering imaging of cells	Ursu, Elena-Laura; Doroftei, Florica; Peptanariu, Dragos; <b>Pinteala, Mariana</b> ; Rotaru, Alexandru	JOURNAL OF NANOPARTICLE RESEARCH	2017	19			181	10.1007/s11051-017-3876-9
81.	Electrochemical Survey of Silver Nanoparticles-Lignosulfonate Formation and their Assessment in the Electrocatalytic Oxidation of P-Nitrophenol	Arvinte, Adina; Ignat, Maurusa; <b>Pinteala, Mariana</b> ; Ignat, Leonard	CURRENT ANALYTICAL CHEMISTRY	2017	13	370	378		10.2174/1573411012666161102143930
82.	Pyridyl-indolizine derivatives as DNA binders and pH-sensitive fluorescent dyes	Marangoci, Narcisa-Laura; Popovici, Lacramioara; Ursu, Elena-Laura; Danac, Ramona; Clima, Lilia; Cojocaru, Corneliu; Coroaba, Adina; Neamtu, Andrei; Mangalagiu, Lone; <b>Pinteala, Mariana</b> ; Rotaru, Alexandru	TETRAHEDRON	2016	72	8215	8222		10.1016/j.tet.2016.10.052
83.	Dual crosslinked iminoboronate-chitosan hydrogels with strong antifungal activity against Candida planktonic yeasts and biofilms	Ailincăi, Daniela; Marin, Luminita; Morariu, Simona; Mares, Mihai; Bostanaru, Andra-Cristina; <b>Pinteala, Mariana</b> ; Simionescu, Bogdan C.; Barboiu, Mihai	CARBOHYDRATE POLYMERS	2016	152	306	316		10.1016/j.carbpol.2016.07.007
84.	Comparative electrodeposition of Ni-Co nanoparticles on carbon materials and their efficiency in electrochemical oxidation of glucose	Arvinte, Adina; Doroftei, Florica; <b>Pinteala, Mariana</b>	JOURNAL OF APPLIED ELECTROCHEMISTRY	2016	46	425	439		10.1007/s10800-015-0912-2
85.	Electrochemical evidence for inclusion complexes of thiotriazinone with cyclodextrins	Arvinte, Adina; Marangoci, Narcisa; Nicolescu, Alina; <b>Pinteala, Mariana</b>	RSC ADVANCES	2016	6	82817	82823		10.1039/c6ra16386f
86.	Degradation Mechanism Induced by Psoriasis in Human Fingernails: A Different Approach	Coroaba, Adina; Pinteala, Tudor; Chiriac, Anca; Chiriac, Anca E.; Simionescu, Bogdan C.; <b>Pinteala, Mariana*</b>	JOURNAL OF INVESTIGATIVE DERMATOLOGY	2016	136	311	313		10.1038/JID.2015.387
87.	MAGNETIC NANOPARTICLES GENERATED BY LASER ABLATION IN LIQUID	Bulai, Georgiana; Dumitru, Ioana; <b>Pinteala, Mariana</b> ; Focsa, C Cristian; Gurlui, Silviu	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES	2016	11	283	291		
88.	Etiologic Agents and Antifungal Susceptibility of Oral Candidosis from Romanian patients with HIV-infection or type 1 diabetes mellitus	Minea, Bogdan; Nastasa, Valentin; Kolecka, Anna; Mares, Magdalena; Marangoci, Narcisa; Rosca, Irina; <b>Pinteala, Mariana</b> ; Hancianu, Monica; Mares, Mihai	POLISH JOURNAL OF MICROBIOLOGY	2016	65	123	129		10.5604/17331331.1197327

89.	Inclusion complexes of propiconazole nitrate with substituted beta-cyclodextrins: the synthesis and in silico and in vitro assessment of their antifungal properties	Minea, Bogdan; Marangoci, Narcisa; Peptanariu, Dragos; Rosca, Irina; Nastasa, Valentin; Corciova, Andreia; Varganici, Cristian; Nicolescu, Alina; Fifere, Adrian; Neamtu, Andrei; Mares, Mihai; Barboiu, Mihail; <b>Pinteala, Mariana*</b>	NEW JOURNAL OF CHEMISTRY	2016	40	1765	1776	10.1039/c5nj01811k
90.	Dynameric Frameworks for DNA Transfection	Marin, Luminita; Ailincai, Daniela; Cahn, Manuela; Stan, Daniela; Constantinescu, Cristina Ana; Ursu, Laura; Doroftei, Florica; <b>Pinteala, Mariana;</b> Simionescu, Bogdan C.; Barboiu, Mihail	ACS BIOMATERIALS SCIENCE & ENGINEERING	2016	2	104	111	10.1021/acsbiomaterials.5b00423
91.	Comparative electrodeposition of Ni-Co nanoparticles on carbon materials and their efficiency in electrochemical oxidation of glucose	Arvinte, Adina, Doroftei, Florica, <b>Pinteala, Mariana</b>	JOURNAL OF APPLIED ELECTROCHEMISTRY	2016	46	425	439	10.1007/s10800-015-0912-2
92.	Design and synthesis of a new polymer network containing pendant spiroacetal moieties	Diaconu, Alina; Chiriac, Aurica P.; Nita, Loredana E.; Tudorachi, Nita; Neamtu, Iordana; Vasile, Cornelia; <b>Pinteala, Mariana</b>	DESIGNED MONOMERS AND POLYMERS	2015	18	780	788	10.1080/15685551.2015.1078111
93.	Crown ether-based structures for sensitive electrochemical detection	Simionca, Ioana-Maria; Arvinte, Adina; <b>Pinteala, Mariana</b>	HIGH PERFORMANCE POLYMERS	2015	27	898	898	10.1177/0954008315610044
94.	A Study of the Influence of Physicochemical Reaction Parameters on the Radiolabelling Efficiency and Stability of Two Types of <sup>99m</sup> Tc Radiolabelled Nanoparticles	Stefanescu, Cipriana; Dodi, Gianina; Cazacu, Ana; Uritu, Cristina M.; <b>Pinteala, Mariana;</b> Timofti, A.; Ghizdovat, Vlad; Grierosu, Irena C.	EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING	2015	42	S488	S489	
95.	TGA/DTA-FTIR-MS coupling as analytical tool for confirming inclusion complexes occurrence in supramolecular host-guest architectures	Varganici, Cristian-Dragos; Marangoci, Narcisa; Rosu, Liliana; Barbu-Mic, Cristian; Rosu, Dan; <b>Pinteala, Mariana;</b> Simionescu, Bogdan C.	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS	2015	115	132	142	10.1016/j.jaap.2015.07.006
96.	DNA-Mediated Copper Nanoparticle Formation on Dispersed Single-Walled Carbon Nanotubes	Ursu, Elena-Laura; Clima, Lilia; Hejesen, Christian; Rotaru, Alexandru; <b>Pinteala, Mariana</b>	HELVETICA CHIMICA ACTA	2015	98	1141	1146	10.1002/hlca.201500033
97.	Scanning electron microscopic examination of the hair shaft abnormalities in	Solovan, Caius; Doroftei, Florica; <b>Pinteala, Mariana;</b> Chiriac, Anca; Cristea, Corina	INTERNATIONAL JOURNAL OF DERMATOLOGY	2015	54	693	694	10.1111/ijd.12848

	Netherton's syndrome								
98.	Simple eco-friendly beta-galactosidase immobilization on functionalized magnetic particles for lactose hydrolysis	Belhacene, Kalim; Grosu, Elena Florentina; Blaga, Alexandra Cristina; Dhulster, Pascal; <b>Pinteala, Mariana</b> ; Froidevaux, Renato	ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL	2015	14	631	638		
99.	Advanced materials based on new structurally designed poly(naphthylimide-amide)s	Constantin, Catalin-Paul; Damaceanu, Mariana-Dana; Bruma, Maria; <b>Pinteala, Mariana</b>	POLYMER INTERNATIONAL	2015	64	361	372		10.1002/pi.4792
100.	Species distribution and susceptibility profile to fluconazole, voriconazole and MXP-4509 of 551 clinical yeast isolates from a Romanian multi-centre study	Minea, Bogdan; Nastasa, Valentin; Moraru, Ramona F.; Kolecka, Anna; Flonta, Mirela M.; Marincu, Iosif; Man, Adrian; Toma, Felicia; Lupse, Mihaela; Doroftei, Bogdan; Marangoci, Narcisa; <b>Pinteala, Mariana</b> ; Boekhout, Tenn; Mares, Mihai	EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES	2015	34	367	383		10.1007/s10096-014-2240-6
101.	Dynamic constitutional frameworks for DNA biomimetic recognition	Catana, Romina; Barboiu, Mihail; Moleavin, Ioana; Clima, Lilia; Rotaru, Alexandru; Ursu, Elena-Laura; <b>Pinteala, Mariana</b>	CHEMICAL COMMUNICATIONS	2015	51	2021	2024		10.1039/c4cc07525k
102.	DyNAvectors: dynamic constitutional vectors for adaptive DNA transfection	Clima, Lilia; Peptanariu, Dragos; <b>Pinteala, Mariana</b> ; Salic, Adrian; Barboiu, Mihail	CHEMICAL COMMUNICATIONS	2015	51	17529	17531		10.1039/c5cc06715d
103.	Hybrid fullerene conjugates as vectors for DNA cell-delivery	Uritu, Cristina M.; Varganici, Cristian D.; Ursu, Laura; Coroaba, Adina; Nicolescu, Alina; Dascalu, Andrei I.; Peptanariu, Dragos; Stan, Daniela; Constantinescu, Cristina A.; Simion, Viorel; Calin, Manuela; Maier, Stelian S.; <b>Pinteala, Mariana</b> ; Barboiu, Mihail	JOURNAL OF MATERIALS CHEMISTRY B	2015	3	2433	2446		10.1039/c4tb02040e
104.	Flexible cyclic siloxane core enhances the transfection efficiency of polyethylenimine-based non-viral gene vectors	Uritu, Cristina M.; Calin, Manuela; Maier, Stelian S.; Cojocaru, Corneliu; Nicolescu, Alina; Peptanariu, Dragos; Constantinescu, Cristina Ana; Stan, Daniela; Barboiu, Mihail; <b>Pinteala, Mariana*</b>	JOURNAL OF MATERIALS CHEMISTRY B	2015	3	8250	8267		10.1039/c5tb01342a
105.	Dynamic constitutional frameworks (DCF) as nanovectors for cellular delivery of DNA	Turin-Moleavin, Ioana-Andreea; Doroftei, Florica; Coroaba, Adina; Peptanariu, Dragos; <b>Pinteala, Mariana</b> ; Salic, Adrian; Barboiu, Mihail	ORGANIC & BIOMOLECULAR CHEMISTRY	2015	13	9005	9011		10.1039/c5ob01315a

106.	Experimental design, modeling and optimization of polyplex formation between DNA oligonucleotides and branched polyethylenimine	Clima, Lilia; Ursu, Elena L.; Cojocaru, Corneliu; Rotaru, Alexandru; Barboiu, Mihail; <b>Pinteala, Mariana</b>	ORGANIC & BIOMOLECULAR CHEMISTRY	2015	13	9445	9456		10.1039/c5ob01189b
107.	Performances of clay aerogel polymer composites for oil spill sorption: Experimental design and modeling	Rotaru, Alexandru; Cojocaru, Corneliu; Cretescu, Igor; <b>Pinteala, Mariana</b> ; Timpu, Daniel; Sacarescu, Liviu; Harabagiu, Valeria	SEPARATION AND PURIFICATION TECHNOLOGY	2014	133	260	275		10.1016/j.seppur.2014.06.059
108.	Comparing ex situ and in situ fragmentation of sulfonated poly(ether ether ketone) (SPEEK) membranes	Schlick, Shulamith; <b>Pinteala, Mariana</b> ; Danilczuk, Marek; Coms, Frank D.	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	2014	248				
109.	Multivalent Recognition of Concanavalin A by {Mo-132} Glyconanocapsules-Toward Biomimetic Hybrid Multilayers	Barboiu, Mihail; Mouline, Zineb; Silion, Mihaela; Licsandru, Erol; Simionescu, Bogdan C.; Mahon, Eugene; <b>Pinteala, Mariana</b>	CHEMISTRY-A EUROPEAN JOURNAL	2014	20	6678	6683		10.1002/chem.201402187
110.	Low Toxicity beta-Cyclodextrin-Caged 4,4'-Bipyridinium-bis(siloxane): Synthesis and Evaluation	Marangoci, Narcisa; Maier, Stelian S.; Ardeleanu, Rodinel; Arvinte, Adina; Fifere, Adrian; Petrovici, Anca Roxana; Nicolescu, Alina; Nastasa, Valentin; Mares, Mihai; Pasca, Sorin A.; Moraru, Ramona F.; <b>Pinteala, Mariana*</b> ; Chiriac, Anca	CHEMICAL RESEARCH IN TOXICOLOGY	2014	27	546	557		10.1021/tx400407e
111.	Frustrated ion-pair binding by heteroditopic macrocyclic receptors	Barboiu, Mihail; Meffre, Anca; Legrand, Yves-Marie; Petit, Eddy; Marin, Luminita; <b>Pinteala, Mariana</b> ; Lee, Arie V. D.	SUPRAMOLECULAR CHEMISTRY	2014	26	223	228		10.1080/10610278.2013.852196
112.	Lipolytic biocatalyst based on recyclable magnetite-polysiloxane nanoparticles	Durdureanu-Angheluta, Anamaria; Ignat, Maurusa-Elena; Maier, Stelian Sergiu; Pricop, Lucia; Coroaba, Adina; Fifere, Adrian; <b>Pinteala, Mariana*</b> ; Chiriac, Anca	APPLIED SURFACE SCIENCE	2014	292	898	905		10.1016/j.apsusc.2013.12.077
113.	Formation by laser ablation in liquid (lal) and characterization of citric acid-coated iron oxide nanoparticles	Durdureanu-Angheluta, Anamaria; Mihesan, Claudia; Doroftei, Florica; Dascalu, Andrei; Ursu, Laura; Velegrakis, Michalis; <b>Pinteala, Mariana</b>	REVUE ROUMAINE DE CHIMIE	2014	59	151	159		
114.	Heparin-Anthranoid Conjugates Associated with Nanomagnetite Particles and Their Cytotoxic Effect on Cancer Cells	Durdureanu-Angheluta, Anamaria; Uritu, Cristina M.; Coroaba, Adina; Minea, Bogdan; Doroftei, Florica; Calin, Manuela; Maier, Stelian Sergiu; <b>Pinteala, Mariana*</b> ; Simionescu,	JOURNAL OF BIOMEDICAL NANOTECHNOLOGY	2014	10	131	142		10.1166/jbn.2014.1690

		Maya; Simionescu, Bogdan C.							
115.	Tuning of the color of the emitted light from new polyperyleneimides containing oxadiazole and siloxane moieties	Damaceanu, Mariana-Dana; Constantin, Catalin-Paul; Bruma, Maria; <b>Pinteala, Mariana</b>	DYES AND PIGMENTS	2013	99	228	239		10.1016/j.dyepig.2013.04.035
116.	Morphological aspects of polymer fiber mats obtained by air flow rotary-jet spinning	Mindru, Tudorel Balau; Ignat, Leonard; Mindru, Iulia Balau; <b>Pinteala, Mariana</b>	FIBERS AND POLYMERS	2013	14	1526	1534		10.1007/s12221-013-1526-0
117.	Azo-polysiloxane micelles charged with nifedipine	Prisacaru, Anca-Irina; Grama, Silvia; Durdureanu-Angheluta, Ana M.; <b>Pinteala, Mariana</b> ; Hurduc, Nicolae	CENTRAL EUROPEAN JOURNAL OF CHEMISTRY	2013	11	1431	1438		10.2478/s11532-013-0279-3
118.	A study on electrospray mass spectrometry of fullerene C-60(OH)(24)	Silion, Mihaela; Dascalu, Andrei; <b>Pinteala, Mariana</b> ; Simionescu, Bogdan C.; Ungurenasu, Cezar	BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY	2013	9	1285	1295		10.3762/bjoc.9.145
119.	Effects of N-hydroxysuccinimide Activation on the Surface and Bulk Properties of Polyurethanes Available for Bioconjugation	Ignat, Leonard; Hitruc, Elena Gabriela; <b>Pinteala, Mariana</b>	REVISTA DE CHIMIE	2013	64	766	770		
120.	Mathematical modelling of the release profile of anthraquinone-derived drugs encapsulated on magnetite nanoparticles	Durdureanu-Angheluta, Anamaria; Bacaita, Simona; Radu, Viviana; Agop, Maricel; Ignat, Leonard; Uritu, Cristina Mariana; Maier, Stelian Sergiu; <b>Pinteala, Mariana*</b>	REVUE ROUMAINE DE CHIMIE	2013	58	217	221		
121.	Multilayer lectin-glyconanoparticles architectures for QCM enhanced detection of sugar-protein interaction	Mahon, Eugene; Mouline, Zineb; Silion, Mihaela; Gilles, Arnaud; <b>Pinteala, Mariana</b> ; Barboiu, Mihail	CHEMICAL COMMUNICATIONS	2013	49	3004	3006		10.1039/c3cc41074a
122.	Theoretical study on beta-cyclodextrin inclusion complexes with propiconazole and protonated propiconazole	Fifere, Adrian; Marangoci, Narcisa; Maier, Stelian; Coroaba, Adina; Maftai, Dan; <b>Pinteala, Mariana*</b>	BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY	2012	8	2191	2201		10.3762/bjoc.8.247
123.	Siloxane-Crown Ether Polyamide Based Electrode for Electrochemical Determination of Lead(II) in Aqueous Solution	Simionca, Ioana-Maria; Arvinte, Adina; Ardeleanu, Rodinel; <b>Pinteala, Mariana</b>	ELECTROANALYSIS	2012	24	1995	2004		10.1002/elan.201200190

124.	Polysiloxane ionic liquids as good solvents for beta-cyclodextrin-polydimethylsiloxane polyrotaxane structures	Marangoci, Narcisa; Ardeleanu, Rodinel; Ursu, Laura; Ibanescu, Constanta; Danu, Maricel; <b>Pinteala, Mariana*</b> ; Simionescu, Bogdan C.	BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY	2012	8	1610	1618	10.3762/bjoc.8.184
125.	Thermal degradation of magnetite nanoparticles with hydrophilic shell	Varganici, Cristian-Dragos; Durdureanu-Angheluta, Anamaria; Rosu, Dan; <b>Pinteala, Mariana</b> ; Simionescu, Bogdan C.	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS	2012	96	63	68	10.1016/j.jaap.2012.03.005
126.	Progress in the synthesis and characterization of magnetite nanoparticles with amino groups on the surface	Durdureanu-Angheluta, Anamaria; Dascalu, Andrei; Fifere, Adrian; Coroaba, Adina; Pricop, Lucia; Chiriac, Horia; Tura, Vasile; <b>Pinteala, Mariana*</b> ; Simionescu, Bogdan C.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2012	324	1679	1689	10.1016/j.jmmm.2011.11.062
127.	Electrochemical oxidation of p-nitrophenol using graphene-modified electrodes, and a comparison to the performance of MWNT-based electrodes	Arvinte, Adina; Mahosenaho, Mika; <b>Pinteala, Mariana</b> ; Sesay, Adama-Marie; Virtanen, Vesa	MICROCHIMICA ACTA	2011	174	337	343	10.1007/s00604-011-0628-x
128.	Synthesis and Anti-HIV Activity of beta-Cyclodextrin-C6-Sulfate/3-Azido-3'-Deoxythymidine Inclusion Complex	Silion, Mihaela; Dascalu, Andrei; Simionescu, Bogdan C.; <b>Pinteala, Mariana</b> ; Ungurenasu, Cezar	JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY	2011	49	1730	1733	10.1002/pola.24581
129.	Synthesis and characterization of magnetite particles covered with alpha-trietoxysilil-polydimethylsiloxane	Durdureanu-Angheluta, Anamaria; Pricop, Lucia; Stoica, Iuliana; Peptu, Catalina-Anisoara; Dascalu, Andrei; Marangoci, Narcisa; Doroftei, Florica; Chiriac, Horia; <b>Pinteala, Mariana*</b> ; Simionescu, Bogdan C.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2010	322	2956	2968	10.1016/j.jmmm.2010.05.013
130.	Synthesis and micellization of polydimethylsiloxane-carboxy-terminated poly(ethylene oxide) graft copolymer in aqueous and organic media and its application for the synthesis of core-shell magnetite particles	Pricop, Lucia; Durdureanu-Angheluta, Anamaria; Spulber, Mariana; Stoica, Iuliana; Fifere, Adrian; Marangoci, Narcisa; Ursu, Laura; Dascalu, Andrei; Ioan, Tigoianu, Radu; Harabagiu, Valeria; <b>Pinteala, Mariana</b> ; Simionescu, Bogdan C.	E-POLYMERS	2010				93
131.	Structure, morphology, and thermal properties of polyrotaxanes based on calix[6]arene and modified polydimethylsiloxane	Sokolova, Maria P.; Bronnikov, Sergei V.; Sukhanova, Tatiana E.; Grigor'ev, A. I.; Volkov, Anatoly Ya.; Gubanova, Galina N.; Kutin, Aleksandr A.; Farcas, Aurica; <b>Pinteala, Mariana</b> ; Harabagiu,	RUSSIAN JOURNAL OF APPLIED CHEMISTRY	2010	83	109	114	10.1134/S1070427210010210

		Valeria; Simionescu, Bogdan							
132.	Water soluble 5 FC complexes, preliminary pharmacological studies	Spulber, Mariana; Miron, Liviu; Mares, Mihai; Nastasa, Valentin; <b>Pinteala, Mariana</b> ; Fifere, Adrian; Harabagiu, Valeria; Simionescu, Bogdan C.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2009	65	431	435		10.1007/s10847-009-9594-x
133.	Glycidoxypropylsilane-functionalized Magnetite as Precursor for Polymer-covered Core-shell Magnetic Particles	Durdureanu-Angheluta, Anamaria; Stoica, Iuliana; <b>Pinteala, Mariana*</b> ; Pricop, Lucia; Doroftei, Florica; Harabagiu, Valeria; Simionescu, Bogdan C.; Chiriac, Horia	HIGH PERFORMANCE POLYMERS	2009	21	548	561		10.1177/0954008309339234
134.	Direct ESR detection and spin trapping of radicals generated by reaction of oxygen radicals with sulfonated poly(ether ether ketone) (SPEEK) membranes	<b>Pinteala, Mariana*</b> ; Schlick, Shulamith	POLYMER DEGRADATION AND STABILITY	2009	94	1779	1787		10.1016/j.polydegradstab.2009.06.009
135.	Inclusion complexes of gamma-cyclodextrin and carboxyl-modified gamma-cyclodextrin with C-60: synthesis, characterization and controlled release application via microgels	Adrian, Fifere; Budtova, Tania; Tarabukina, Elena; <b>Pinteala, Mariana</b> ; Mariana, Spulber; Peptu, Cristian; Harabagiu, Valeria; Simionescu, Bogdan C.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2009	64	83	94		10.1007/s10847-009-9539-4
136.	Synthesis, morphology, and thermal behavior of polyrotaxanes composed of gamma-cyclodextrin and polydimethylsiloxanes	Marangoci, Narcisa; Farcas, Aurica; <b>Pinteala, Mariana</b> ; Harabagiu, Valeria; Simionescu, Bogdan C.; Sukhanova, Tatiana; Perminova, Maria; Grigoryev, Anatolii; Gubanova, Galina; Bronnikov, Sergei	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2009	63	355	364		10.1007/s10847-008-9529-y
137.	Water soluble sulconazole-beta-cyclodextrin complex: physico-chemical characterization and preliminary pharmacological studies	Miron, Liviu; Mares, Mihai; Nastasa, Valentin; Spulber, Mariana; Fifere, Adrian; <b>Pinteala, Mariana</b> ; Harabagiu, Valeria; Simionescu, Bogdan C.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2009	63	159	162		10.1007/s10847-008-9501-x
138.	Binding fullereneol C-60(OH)(24) to dsDNA	<b>Pinteala, Mariana</b> ; Dascalu, Andrei; Ungurenasu, Cezar	INTERNATIONAL JOURNAL OF NANOMEDICINE	2009	4	193	199		

139.	Synthesis and Characterization of Polyrotaxanes based on Cyclodextrins and Viologen-modified Polydimethylsiloxanes	Marangoci, Narcisa; Fifere, Adrian; Farcas, Aurica; Harabagiu, Valeria; <b>Pinteala, Mariana*</b> ; Simionescu, Bogdan C.; Perichaud, Alain	HIGH PERFORMANCE POLYMERS	2008	20	553	566		10.1177/0954008307082152
140.	Structure and Thermal Properties of Polyrotaxanes Derived from gamma-Cyclodextrin and Modified Polydimethylsiloxane	Sukhanova, Tatiana E.; Perminova, Maria P.; Bronnikov, Sergei V.; Grigor'ev, A. I.; Volkov, Anatoly Ya.; Gubanova, Galina N.; Kutin, Aleksandr A.; Marangoci, Narcisa; <b>Pinteala, Mariana</b> ; Harabagiu, Valeria; Simionescu, Bogdan	RUSSIAN JOURNAL OF APPLIED CHEMISTRY	2008	81	2145	2150		10.1134/S1070427208120203
141.	Polyfluorene Copolymer with a Multiply Blocked Rotaxane Architecture in the Main Chain: Synthesis and Characterization	Farcas, Aurica; Jarroux, Nathalie; Guegan, Philippe; Fifere, Adrian; <b>Pinteala, Mariana</b> ; Harabagiu, Valeria	JOURNAL OF APPLIED POLYMER SCIENCE	2008	110	2384	2392		10.1002/app.28760
142.	Inclusion complexes of 5-fluorocytosine with beta-cyclodextrin and hydroxypropyl-beta-cyclodextrin: characterization in aqueous solution and in solid state	Spulber, Mariana; <b>Pinteala, Mariana</b> ; Fifere, Adrian; Harabagiu, Valeria; Simionescu, Bogdan C.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2008	62	117	125		10.1007/s10847-008-9446-0
143.	Water soluble complexes of methyl beta-cyclodextrin and sulconazole nitrate	Spulber, Mariana; <b>Pinteala, Mariana</b> ; Fifere, Adrian; Moldoveanu, Costel; Mangalagiu, Ionel; Harabagiu, Valeria; Simionescu, Bogdan C.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2008	62	135	142		10.1007/s10847-008-9448-y
144.	Polyrotaxanes composed of beta-cyclodextrin and polydimethylsiloxanes: synthesis, morphology and thermal behavior	Marangoci, Narcisa; Farcas, Aurica; <b>Pinteala, Mariana*</b> ; Harabagiu, Valeria; Simionescu, Bogdan C.; Sukhanova, Tatiana; Bronnikov, Sergei; Grigoryev, Anatolii; Gubanova, Galina; Perminova, Maria; Perichaud, Alain	HIGH PERFORMANCE POLYMERS	2008	20	251	266		10.1177/0954008307079538
145.	Inclusion complexes of Sulconazole with beta-cyclodextrin and hydroxypropyl beta-cyclodextrin: characterization in aqueous solution and in solid state	Spulber, Mariana; <b>Pinteala, Mariana</b> ; Harabagiu, Valeria; Simionescu, Bogdan C.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2008	61	41	51		10.1007/s10847-007-9391-3
146.	Silane covered magnetite particles. Preparation and characterisation	Durdureanu-Angheluta, Anamaria; Ardeleanu, Rodinel; <b>Pinteala, Mariana*</b> ; Harabagiu, Valeria; Chiriac, Horia.; Simionescu, Bogdan C.	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES	2008	3	33	40		
147.	Syntheses and characterization of water-soluble C-60-	Ungurenasu, Cezar; <b>Pinteala, Mariana</b>	JOURNAL OF POLYMER SCIENCE	2007	45	3124	3128		10.1002/pola.22010

	curdlan sulfates for biological applications		PART A-POLYMER CHEMISTRY						
148.	Synthesis, structure, and thermal properties of polyrotaxanes derived from beta-cyclodextrin and polydimethylsiloxane	Sukhanova, Tatiana E.; Bronnikov, Sergei V.; Grigor'ev, A. I.; Gubanova, Galina. N.; Perminova, Maria P.; Marangoci, Narcisa; <b>Pinteala, Mariana</b> ; Harabagiu, Valeria.; Simionescu, Bogdan	RUSSIAN JOURNAL OF APPLIED CHEMISTRY	2007	80	1111	1115		10.1134/S1070427207070191
149.	Piperazinyl-modified polysiloxanes and their Cu(II) complexes	Epure, Virginia; Hamciuc, Viorica; Pricop, Lucia; <b>Pinteala, Mariana</b> ; Airinei, Anton; Harabagiu, Valeria; Simionescu, Bogdan C.; Enescu, Daniela; Perichaud, Alain	HIGH PERFORMANCE POLYMERS	2007	19	270	282		10.1177/0954008307073724
150.	Self-assembly of functional polymers. A viscometric study	Farcas, Aurica; <b>Pinteala, Mariana</b> ; Harabagiu, Valeria	REVUE ROUMAINE DE CHIMIE	2007	52	143	146		
151.	POLY 473-Using spin probe ESR to study self-assembling of amphiphilic PDMS-b-PMA multiblock copolymers in aqueous media	Schlick, Shulamith; Aris, Wasim; <b>Pinteala, Mariana</b>	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	2006	232				
152.	Interpolymer complexes between hydrophobically modified poly(methacrylic acid) and poly(N-vinylpyrrolidone)	<b>Pinteala, Mariana</b> ; Budtova, Tatiana; Epure, Virginia; Belnikevich, Nina; Harabagiu, Valeria; Simionescu, Bogdan C	POLYMER	2005	46	7047	7054		10.1016/j.polymer.2005.05.099
153.	Viscometric study of poly(dimethylsiloxane)-N-vinylpyrrolidone in water solutions	Epure, Virginia; Ioan, Silvia; <b>Pinteala, Mariana</b> ; Harabagiu, Valeria; Simionescu, Bogdan C; Simionescu, BC	HIGH PERFORMANCE POLYMERS	2005	17	251	261		10.1177/0954008305044901
154.	First homopolymerizable monomer containing [C-60]fullerene as a monoadduct substituent	Ungurenasu, Cezar; <b>Pinteala, Mariana</b>	MACROMOLECULAR RAPID COMMUNICATIONS	2005	26	707	709		10.1002/marc.200500027
155.	Synthesis and characterization of nitrogen-bridged [C-60]fullerene/3'-deoxythymidine conjugates	Ungurenasu, Cezar; <b>Pinteala, Mariana</b> ; Simionescu, Bogdan C	SYNTHESIS-STUTT GART	2005		361	363		10.1055/s-2005-861794
156.	Synthesis and characterization of persilylated cyclodextrins	Harabagiu, Valeria; Simionescu, Bogdan C; <b>Pinteala, Mariana</b> ; Merrienne, C; Mahuteau, Jacqueline; Guegan, Philippe; Cheradame, Herve	CARBOHYDRATE POLYMERS	2004	56	301	311		10.1016/j.carbpol.2003.12.007

157.	Concentration- and pH-dependent conformational changes and aggregation of block copolymers of poly(methacrylic acid) and poly(dimethylsiloxane) in aqueous media, based on fluorescence spectra of pyrene and potentiometry	<b>Pinteala, Mariana*</b> ; Epure, Virginia; Harabagiu, Valeria; Simionescu, Bogdan C; Schlick, Shulamith	MACROMOLECULES	2004	37	4623	4634		10.1021/ma0496697
158.	Monitoring pH-dependent conformational changes in aqueous solutions of poly(methacrylic acid)-b-polydimethylsiloxane copolymer based on fluorescence spectra of pyrene and 1,3-bis(1-pyrenyl)propane	Szajdzinska-Pietek, Ewa; <b>Pinteala, Mariana</b> ; Schlick, Shulamith	POLYMER	2004	45	4113	4120		10.1016/j.polymer.2004.03.101
159.	Bioapplication oriented polymers. Micro- and nanoparticles for drug delivery systems	Harabagiu, Valeria; Fundueanu, Gheorghe; <b>Pinteala, Mariana</b> ; Constantin, Marieta; Hamaide, Thierry	BIOMATERIALS: FROM MOLECULES TO ENGINEERED TISSUES	2004	553	69	82		
160.	Synthesis and characterisation of thermomesogenic polysiloxanes with 2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione units in the main chain	Horn, M; Hepuzer, Y; Yagci, Y; Bilgin-Eran, B; Cernenco, U; Harabagiu, V; <b>Pinteala, M</b> ; Simionescu, BC	EUROPEAN POLYMER JOURNAL	2002	38	2197	2205	PII S0014-3057(02)00124-6	10.1016/S0014-3057(02)00124-6
161.	On the photoreactivity of oxirane-terminated polydimethylsiloxanes	Iojoiu, C; Harabagiu, V; <b>Pinteala, M</b> ; Abadie, MJM; Simionescu, BC	REVUE ROUMAINE DE CHIMIE	2002	47	733	740		
162.	Synthesis and characterization of alpha,omega-bis(maleimide-ester) and alpha,omega-bis(maleimide-amide) substituted polysiloxanes	Cernenco, U; <b>Pinteala, M</b> ; Harabagiu, V; Sava, M; Simionescu, BC	REVUE ROUMAINE DE CHIMIE	2002	47	257	262		
163.	Synthesis of conducting polysiloxane-polypyrrole graft copolymers	Gunaydin, O; Toppare, L; Yagci, Y; Harabagiu, V; <b>Pintela, M</b> ; Simionescu, BC	POLYMER BULLETIN	2002	47	501	508		10.1007/s002890200014
164.	Synthesis and photocrosslinking of benzyl (meth)acrylate substituted polydimethylsiloxanes: Influence of photoinitiator nature	Iojoiu, C; Harabagiu, V; <b>Pinteala, M</b> ; Abadie, MJM; Simionescu, BC	JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY	2002	39	467	488		10.1081/MA-120003967

165.	Synthesis and photocrosslinking of benzyl acrylate substituted polydimethylsiloxanes	Iojoiu, C; Abadie, MJM; Harabagiu, V; <b>Pinteala, M</b> ; Simionescu, BC	EUROPEAN POLYMER JOURNAL	2000	36	2115	2123		10.1016/S0014-3057(99)00287-6
166.	Functional polysiloxanes. 6 - Synthesis of aziridine-terminated polydimethylsiloxanes	Iojoiu, C; <b>Pinteala, M</b> ; Rusu, E; Harabagiu, V; Guegan, P; Cheradam, H; Gaspar, M; Simionescu, BC	REVUE ROUMAINE DE CHIMIE	2000	45	655	661		
167.	Ionically conducting networks derived from PEO containing aziridine groups	<b>Pinteala, M</b> ; Harabagiu, V; Simionescu, BG; Guegan, P; Cheradame, H	POLYMER INTERNATIONAL	1999	48	1147	1154		10.1002/(SICI)1097-0126(199911)48:11<1147::AID-PI279>3.3.CO;2-8
168.	Siloxane containing copolymers. 2 - Synthesis of poly(vinyl-g-dimethylsiloxane) copolymers	Lungu, V; Harabagiu, V; <b>Pinteala, M</b> ; Hamaide, T; Simionescu, BC; Simionescu, CI	REVUE ROUMAINE DE CHIMIE	1999	44	811	816		
169.	Synthesis of conducting H-type polysiloxane-polypyrrole block copolymers	Kalaycioglu, E; Toppare, L; Yagci, Y; Harabagiu, V; <b>Pinteala, M</b> ; Ardelean, R; Simionescu, BC	SYNTHETIC METALS	1998	97	7	12		10.1016/S0379-6779(98)00097-6
170.	Synthesis of poly(styrene-dimethylsiloxane) block copolymers: Influence of the phase-separated morphologies on the thermal behaviors	Rosati, D; Perrin, M; Navard, P; Harabagiu, V; <b>Pinteala, M</b> ; Simionescu, BC	MACROMOLECULES	1998	31	4301	4308		10.1021/ma971577c
171.	Short-range interaction parameters for polydimethylsiloxanes with different terminal groups	Grigorescu, G; Ioan, S; <b>Pinteala, M</b> ; Simionescu, BC	JOURNAL OF THE SERBIAN CHEMICAL SOCIETY	1998	63	961	966		
172.	Block and graft copolymers with polysiloxane and poly(N-acyliminoethylene) sequences	Simionescu, CI; Rusa, M; David, G; <b>Pinteala, M</b> ; Harabagiu, V; Simionescu, BC	ANGEWANDTE MAKROMOLEKULARE CHEMIE	1997	253	139	149		10.1002/apmc.1997.052530111
173.	Synthesis and characterization of PEO-based networks from azide precursors.	<b>Pinteala, M</b> ; Harabagiu, V; Simionescu, B; Guegan, P; Cheradame, H	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	1997	213	231	POLY		
174.	Functional polysiloxanes .4. an approach to multifunctional cyclic carbosiloxanes	<b>Pinteala, M*</b> ; Harabagiu, V; Holerca, MN; Negulescu, II; Simionescu, BC	JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY	1995	A32	671	677		10.1080/10601329508018957
175.	Functional polysiloxanes.3. Reaction of 1,3bis(3-glycidoxypropyl)-1,1,3,3-tetramethyldisiloxan	HARABAGIU, V; <b>PINTEALA, M</b> ; COTZUR, C; HOLERCA, MN; ROPOT, M	JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY	1995	A32	8-9	1641	1648	10.1080/10601329508013703

	e with amino-compounds										
176.	Functional polysiloxanes .1. polysiloxanes containing chloromethylphenethyl groups	<b>Pinteala, M*</b> ; Harabagiu, V; Cotzur, C; Simionescu, BC	EUROPEAN POLYMER JOURNAL	1994	30	309	312				10.1016/0014-3057(94)90291-7
177.	Functional polysiloxanes .2. on the reaction of hydroxypropyl-terminated and aminoalkyl-terminated polydimethylsiloxanes with cyclic anhydrides	<b>Pinteala, M</b> ; Harabagiu, V; Cotzur, C; Holerca, MN; Simionescu, BC	POLYMER BULLETIN	1994	32	173	178				10.1007/BF00306385

**(b) Publicații in extenso, apărute în lucrări/volume ale conferințelor internaționale de specialitate cotate ISI (Web of Science -Thomson Reuters)**

Nr. Crt.	Titlu	Autori	Titlu serie	An	Vol.	N r.	Pag. Început	Pag. sfârșit	DOI	Titlu Conf.	Data
178.	Self-linked polymer gels [based on hyaluronic acid and poly (itaconic anhydride-co-3, 9-divinyl-2, 4, 8, 10-tetraoxaspiro [5.5] undecane)] as potential drug delivery networks	Diaconu, Alina; Nita, Loredana E.; Chiriac, Aurica P.; Tartau, Liliana Mititelu; Doroftei, Florica; Vasile, Cornelia; <b>Pinteala, Mariana</b>	2015 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB)	2015						E-Health And Bioengineering Conference (EHB)	NOV 19-21, 2015
179.	POLYMER ENGINEERING FOCUSING ON DRUG/GENE DELIVERY AND TISSUE ENGINEERING	Clima, Lilia; Rotaru, Alexandru; Cojocaru, Corneliu; <b>Pinteala, Mariana</b> ; Simionescu, Bogdan C.	2015 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB)	2015						E-Health And Bioengineering Conference (EHB)	NOV 19-21, 2015
180.	Polymer engineering for drug/gene delivery: from simple towards complex architectures and hybrid materials	David, Geta; Fundueanu, Gheorghe; <b>Pinteala, Mariana</b> ; Minea, Bogdan; Dascalu, Andrei; Simionescu, Bogdan C.	PURE AND APPLIED CHEMISTRY	2014	86	11	1621	1635	10.1515/pac-2014-0708	15th International Conference on Polymers and Organic Chemistry (POC)	JUN 10-13, 2014
181.	Advanced research in bionanoconjugates and biopolymers	<b>Pinteala, Mariana</b> ; Marangoci, Narcisa; Fifere, Adrian; Durdureanu-Angheluta, Anamaria; Minea,	5TH INTERNATIONAL CONFERENCE OF EDUCATION, RESEARCH AND	2012			3441	3441		5th International Conference of Education, Research and Innovation (ICERI)	NOV 19-21, 2012

		Bogdan; Simionescu, Bogdan C.	INNOVATIO N								
182.	Romanian research potential in chemistry field	Marangoci, Narcisa L.; Zabulica, Andrei; Durdureanu- Angheluta, Anamaria; <b>Pinteala, Mariana;</b> Simionescu, Bogdan C.	5TH INTERNATIO NAL CONFERENC E OF EDUCATION, RESEARCH AND INNOVATIO N (ICERI 2012)	2012			3442	3442		5th International Conference of Education, Research and Innovation (ICERI)	NOV 19- 21, 2012
183.	Semi-empirical pm3 study on complexation of beta-cyclodextrin with 5-flucytosine	Fifere, Adrian; Spulber, Mariana; Marangoci, Narcisa; Fifere, Nicusor; <b>Pinteala, Mariana;</b> Harabagiu, Valeria.; Simionescu, Bogdan C.	CELLULOSE CHEMISTRY AND TECHNOLOG Y	2011	45	3- 4	149	156		14th International Symposium on Cellulose Chemistry and Technology	SEP 08-10, 2010
184.	Semi-Empirical PM3 Study On The Complexation Of alpha- Cyclodextrin With 5- Flucytosine	Fifere, Adrian; <b>Pinteala, Mariana;</b> Spulber, Mariana; Harabagiu, Valeria; Simionescu, Bogdan C.; Mracec, Mircea	COMPUTATI ONAL METHODS IN SCIENCE AND ENGINEERIN G, VOL 2: ADVANCES IN COMPUTATI ONAL SCIENCE	2009	114 8		83	+		International Conference on Computational Methods in Science and Engineering	SEP 25-30, 2008
185.	Artificial Intelligence Methods: Challenge in Computer Based Polymer Design	Rusu, Teodora; <b>Pinteala, Mariana;</b> Cartwright, Hugh	COMPUTATI ONAL METHODS IN SCIENCE AND ENGINEERIN G, VOL 2: ADVANCES IN COMPUTATI ONAL SCIENCE	2009	114 8		214	+		International Conference on Computational Methods in Science and Engineering	SEP 25-30, 2008
186.	Computer aid design of Polydimethylsilox anes copolymer with imposed water delivery properties	Rusu, Teodora; <b>Pinteala, Mariana;</b> Buraga, Sabin C.	RECENT PROGRESS IN COMPUTATI ONAL SCIENCES AND ENGINEERIN G, VOLS 7A AND 7B	2006	7A- B		477	+		International Conference on Computational Methods in Science and Engineering	OCT 27- NOV 01, 2006

187.	Detection of toluene dissolved in water by using PCS fibers excited by an inclined collimated beam	Matejec, Vlastimil; Chomat, Miroslav; Berkova, Daniela; Mrazek, Jan; Ardeleanu, Rodinel; Harabagiu, Valeria; <b>Pinteala, Mariana</b> ; Simionescu, Bogdan C	SENSORS AND ACTUATORS B-CHEMICAL	2003	90	1-3	204	210	10.1016/S0925-4005(03)00029-7	6th European Conference on Optical Chemical Sensors and Biosensors (Europt(rod)ode VI)	APR 07-10, 2002
188.	Siloxane and N-acetyliminoethylene based copolymers obtained by combined polymer synthesis techniques	Simionescu, BC; Harabagiu, V; David, G; <b>Pinteala, M</b> ; Lungu, V	MOLECULAR CRYSTALS AND LIQUID CRYSTALS	2000	354		857	874		5th International Conference on Frontiers of Polymers and Advanced Materials	JUN 21-25, 1999

## (c) Cărți/Capitole în cărți cotate ISI (Web of Science -Thomson Reuters)

Nr. Crt.	Titlu	Authori	Editori	Titlu serie	An	Vol.	Pag. început	Pag. sfârșit	DOI
189.	Mass Spectrometry as a Complementary Approach for Noncovalently Bound Complexes Based on Cyclodextrins	Silion, Mihaela; Fifere, Adrian; Lungoci, Ana Lacramioara; Marangoci, Narcisa Laura; Ibanescu, Sorin Alexandru; Zonda, Radu; Rotaru, Alexandru; <b>Pinteala, Mariana</b>	Woods, AG; Darie, CC	ADVANCEMENTS OF MASS SPECTROMETRY IN BIOMEDICAL RESEARCH, 2ND EDITION	2019	1140	685	701	10.1007/978-3-030-15950-4_41
190.	Surface-initiated polymerisation for nanocoatings	Harabagiu, Valeria; Sacarescu, Liviu.; Farcas, Aurica; <b>Pinteala, Mariana</b> ; Butnaru, Maria	Hamdyf, AS; Tiginyanu, I	NANOCOATINGS AND ULTRA-THIN FILMS: TECHNOLOGIES AND APPLICATIONS	2011		78	130	
191.	New therapeutically agent with increased antifungal activity	Spulber, Mariana; <b>Pinteala, Mariana</b> ; Fifere, Adrian; Harabagiu, Valeria; Simionescu, Bogdan C.	Fitzpatrick, DW; Ulrich, HJ	MACROCYCLIC CHEMISTRY: NEW RESEARCH DEVELOPMENTS	2010		435	446	

## (d) Articole publicate în reviste ne-cotate ISI (Web of Science) (recunoscute CNCSIS)

Nr. Crt.	Titlu articol	Autori	Jurnal	An	Vol.	Pag. început	Pag. sfârșit
192.	Theoretical Investigation on $\beta$ -cyclodextrin Inclusion Compounds with Protonated Sulconazole by Semi-	Fifere, Adrian; Marangoci, Narcisa; <b>Pinteala Mariana</b> ; Simionescu, Bogdan	International Journal of Chemical Modeling	2013	5	165	

	empirical AM1 and PM3 Calculations						
193.	Inclusion complex of a new propiconazole derivative with $\beta$ -cyclodextrin: NMR, ESI-MS and preliminary pharmacological studies	Marangoci, Narcisa; Mares, Mihai; Silion, Mihaela; Fifere, Adrian; Varganici, Cristian; Nicolescu, Alina; Deleanu, Calin; Coroaba, Adina; <b>Pinteala, Mariana*</b> ; Simionescu, Bogdan C.	Results in Pharma Sciences	2011	1	27	37
194.	Determination of binding constants between cyclodextrins and sulconazole antifungal drug by Hildebrand-Benesty approximation	Spulber Mariana; <b>Pinteala, Mariana</b> ; Harabagiu Valeria; Simionescu BC; Fifere Adrian	Fungi & Mycotoxins	2008	2	152	156
195.	Spectroscopic characterization of $\alpha$ -cyclodextrin-sulconazole inclusion complexes. Determination of binding constants by Rose-Drago approximation	Spulber M, <b>Pinteala M</b> , Fifere A, Harabagiu V, Simionescu BC	Fungi & Mycotoxins	2008	2	189	192
196.	Inclusion complexes of sulconazole with cyclodextrins: characterization in aqueous solution and solid state	Spulber M, <b>Pinteala M</b> , Harabagiu V, Simionescu BC	Fungi & Mycotoxins	2007	1	71	76
197.	Polymeric materials From Fundamental Research to Specific Applications	B.C. Simionescu, <b>Pinteala M</b> , Stanciu A., Fundueanu Gh., Harabagiu V.	International Journal of Forming Processes	2007	10	9	22
198.	Functionalized oligosiloxanes: synthesis and UV curing Kinetics	Iojoiu C., <b>Pinteala M.</b> , Simionescu B.C., Sanchez J.Y., Abadie MJM	Current Trends in Polymer Science	2006	10	55	67
199.	Using Spin Probe ESR to Study Self-Assembling of Amphiphilic PDMS-b-PMA Multiblock Copolymers in Aqueous Media	Schlick, S.; Aris, W.; <b>Pinteala, M.</b>	Polym. Prepr. (Am. Chem. Soc. Div. Polym. Chem.)	2006	47	802	803
200.	Synthese et caracterisation de quelques maleimides-disiloxanes. Etude de leur capacite de photoamorcage	C. Iojoiu, V. Harabagiu, <b>M. Pinteala</b> , B.C. Simionescu, M.J.M. Abadie	Chem. Bull. "Politehnica" Univ. Timisoara	2001	46	19	23
201.	Metal Complexes with Macromolecular Ligands	V. Epure, V. Harabagiu, <b>M. Pinteala</b> , B.C. Simionescu, C. Turta, V. Sofranschi, I. Bulhac	Mem. Sect. St. Acad. Ro.	2001	Ser. IV, Tom XXIV	77	93
202.	Influence of Terminal Groups on the Conformation of Polydimethylsiloxanes in Solutions	G. Grigorescu, S. Ioan. <b>M. Pinteala</b> , B.C. Simionescu	Chem. Bull. „POLITEHNICA” Univ. Timisoara	1999	44	151	155
203.	Siloxane Containing Block Copolymers. I. Synthesis of Polydimethylsiloxane - Polyisobutene Di- and Triblock Copolymers	V. Lungu, V. Harabagiu, <b>M. Pinteala</b> , B.C. Simionescu	Synth. Polym. J.	1998	V (2)	36	43
204.	Polymeric Gels Based on Polydimethylsiloxane -co-poly(methacrylic acid) Networks	T. Rusu, <b>M. Pinteala</b> , C. Iojoiu, V. Harabagiu, C. Cotzur, B.C. Simionescu, I. Blagodatskikh, O. Shchegolikhina	Synth. Polym. J.	1998	V (2)	29	35
205.	Functional Polysiloxanes. 5. Polydimethylsiloxanes Containing End Heterocyclic Groups	<b>M. Pinteala</b> , C. Iojoiu, C. Cotzur, V. Harabagiu, C. Ioan, B.C. Simionescu	Synth. Polym. J.	1998	V (1)	152	158

206.	Photocrosslinking of Functional Polydimethylsiloxanes	M. Ropot, <b>M. Pinteala</b> , V. Harabagiu, B.C. Simionescu, M.J.M. Abadie	Synth. Polym. J.	1998	V (1)	169	185
207.	Synthesis and Characterization of PEO-based networks from azide precursors	<b>M. Pinteala</b> , V. Harabagiu, B. C. Simionescu, P. Guegan, H. Cheradame	Polymer Preprints	1997	38	610	611
208.	Chemical Modification of Siloxane Backbone	V. Harabagiu, <b>M. Pinteala</b> , C. Cotzur, B.C. Simionescu	Synth. Polym. J.	1997	III	262	273
209.	Block Copolymers for Restauration and Preservation (Copolimeri bloc in restaurare si conservare)	G. David, M. Rusa, V. Harabagiu, <b>M. Pinteala</b> , B.C. Simionescu	Analele St. Univ. "A.I. Cuza"	1997	I	163	176
210.	Polysilanes. 1. Reductive Coupling Reaction of Dichloromethylphenylsilane in the Presence of Alkali Metal/Crown Ether Systems	V. Harabagiu, <b>M. Pinteala</b> , C. Iojoiu, C. Cotzur, B.C. Simionescu	Bul. Inst. Politehnic – Iasi	1997	XLIII (XLVI I), Fasc. 3-4, Sectia II (Chimie)	83	89
211.	Chemical Modification of the Siloxane Backbone	V. Harabagiu, <b>M. Pinteala</b> , C. Cotzur, B.C. Simionescu	Synth. Polym. J.	1996	III (1-2)		
212.	Carbofunctional Siloxane Oligomers	<b>M. Pinteala</b> , V. Harabagiu, C. Cotzur, B.C. Simionescu	Roum. Chem. Quart. Rev.	1996	4	75	89
213.	Functional Polysiloxanes as Precursors in Copolymer Synthesis	V. Harabagiu, <b>M. Pinteala</b> , C. Cotzur, B.C. Simionescu, C.I. Simionescu	Synth. Polym. J.	1994	1	259	281
214.	Modeling of Phenylchlorosilane Synthesis	G. Cristian, N. Voiculescu, <b>M. Pinteala</b> , R. Oghina, D. Cristian, R. Ardelean	Bull. Inst. Politehnic Iasi	1991	1-4	49	

**(e) Publicații in extenso, apărute în lucrări/volume ale conferințelor internaționale de specialitate ne-cotate ISI (Web of Science)**

Nr. Crt.	Titlu articol	Autori	Titlul Conf.	Data	Locatia	Pag. început	Pag. sfârșit
215.	Evaluation of antioxidant properties using electrochemistry combined with <i>in vitro</i> peroxidation and reducing assays	O. E. Carp, <b>M. Pinteala</b> , A. Arvinte;	6th International Congress on Biomaterials and Biosensors (BIOMATSEN), -	23 October 2021	Oludeniz, Turkey, 17		
216.	Nanocarriers based Polycations as Polyplexes for Gene Therapy. Design and Characterization	<b>Pinteala M</b> , Clima L, Neamtu A, Simionescu B.C.	BIT 9th World gene Convention 2018	13-15 Nov. 2018	From Science & Technology to industrialization	180	
217.	Thermal stability of core-shell hydrophilic nanoparticles for biomedicine	C.-D. Varganici, A. Durdureanu-Angheluta, D. Rosu, <b>M. Pinteala</b> , B.C. Simionescu	7th MoDeSt Conference	2-6 sept. 2012	Prague, Czech Republic	290	291
218.	L'activite electrochimique des materiaux composite de Ni-Co oxyde pour la detection sensitive des analytes biologique	Adina Arvinte, A.-M. Sesay, <b>M. Pinteala</b> , V. Virtanen	Xème Colloque Franco-Roumain sur les Polymères	Septembrie 2011	Douai, France	132	135
219.	Synthese et caracterisation morphologique et electrochimique d'un polyamide siloxane-ether couronne	I.-M. Simionca, E. Ardeleanu, A. Arvinte, L. Ursu, <b>M. Pinteala</b>	Xème Colloque Franco-Roumain sur les Polymères	Septembrie 2011	Douai, France	258	261

220.	Particules magnetiques "core-shell" solubles dans l'eau, precursors pour l'eliberation controllee des medicaments	A. Durdureanu-Angheluta, A. Dascalu, L. Pricop, <b>M. Pinteala</b> , B. C. Simionescu	Xème Colloque Franco Roumain sur les Polymères	Septembrie 2011	Douai, France		
221.	Influence de la chaine polymerique sur la taille des particules magnetiques	A. Durdureanu-Angheluta, L. Pricop, A. Dascalu, <b>M. Pinteala</b> , B. C. Simionescu	Xème Colloque Franco Roumain sur les Polymères	Septembrie 2011	Douai, France		

## (f) Cărți/Capitole în cărți ne-cotate ISI în edituri internaționale și naționale recunoscute

Nr. Crt.	Titlu	Autori	Editori	Titlu serie	An	Pag. început	Pag. sfârșit	DOI
222	Self-assembling prodrugs	Stelian S. Maier, Andrea Angeli, <b>Mariana Pinteala</b> , Claudiu T. Supuran	Claudiu T. Supuran	Advances in Prodrugs	2024			ELSEVIER/în curs de publicare
222.	New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications	M. Abadie, <b>M. Pinteala</b> , and A. Rotaru	M. Abadie, <b>M. Pinteala</b> , A. Rotaru	New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications Editura Springer Nature	2021			271 pgs
223.	Polyrotaxanes with cyclodextrins	A. Farcas, N. Marangoci, A. Fifere, <b>M. Pinteala</b> , V. Harabagiu, B.C. Simionescu	E.S. Dragan	New Trends in (Co)polymers and Hybrids	2006	53	77	249 pgs
224.	Measuring Ionic Transport Through Lipid Bilayers	R. Zonda, S.-A. Ibanescu, M. Sillion, A. Coroaba, D.-L. Isac, M. J. M. Abadie, <b>M. Pinteala</b>	M. Abadie, <b>M. Pinteala</b> , A. Rotaru	New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications	2021	25	50	10.1007/978-3-030-57456-7_2
225.	Non-viral vectors and drug delivery: in vitro assessment	D. Peptanariu, M. Abadie and <b>M. Pinteala</b>	M. Abadie, <b>M. Pinteala</b> , A. Rotaru	New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications	2021	239	254	10.1007/978-3-030-57456-7_12
226.	Polymeric Carriers for Transporting Nucleic Acids - Contributions to the Field	L. Clima, A. I. Dascalu, B. F. Craciun and <b>M. Pinteala</b>	M. Abadie, <b>M. Pinteala</b> , A. Rotaru	New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications	2021	133	150	10.1007/978-3-030-57456-7_7

227.	Molecular Dynamics Simulations and in silico Analysis of Supramolecular Self-assembled Structures	C. Cojocaru, A. Neamtu, T. Vasiliu, D. Lucian Isac, <b>M. Pinteala</b>	M. Abadie, <b>M. Pinteala</b> , A. Rotaru	New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications	2021	357	371	10.1007/978-3-030-57456-7_18
228.	Inorganic Nanoparticles as Free Radical Scavengers	A. Fifere, I.-A. Turin Moleavin, A.-L. Lungoci, N. L. Marangoci, <b>M. Pinteala</b>	M. Abadie, <b>M. Pinteala</b> , A. Rotaru	New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications	2021	295	329	10.1007/978-3-030-57456-7_15
229.	Hydrogelation of Chitosan with Monoaldehydes Towards Biomaterials with Tuned Properties	L. Marin, D. Ailincai, M. M. Iftime, A.-M. Craciun, A. Bejan, <b>M. Pinteala</b> , M. J. M. Abadie	M. Abadie, <b>M. Pinteala</b> , A. Rotaru	New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications	2021	345	356	10.1007/978-3-030-57456-7_17
230.	Polymer-based engineered systems for gene/drug delivery applications	A. Rotaru, L. Clima, R. D. Rusu, N. L. Marangoci, G. Pricope, B. C. Simionescu and <b>M. Pinteala</b>	Duca Ghe si Macaev F	Compounds and Materials for Drug Development and Biomedical Applications	2018	273	290	
231.	Cyclodextrins as molecular delivery systems for drugs with antifungal activity: from design to application	A. Fifere, L.A. Lungoci, B. Minea, I. Rosca, Gh. Duca, V. Boldescu, N. Marangoci, B.C. Simionescu, <b>M. Pinteala</b> , F. Macaev	Duca Ghe si Macaev F	Compounds and Materials for Drug Development and Biomedical Applications	2018	291	307	
232.	Tailored and Functionalized Magnetite Particles for Biomedical and Industrial Applications	Anamaria Durdureanu-Angheluta, <b>Mariana Pinteala</b> and Bogdan C. Simionescu	Prof. Sabar Hutagalung	Materials Science and Technology	2012	chapter 7		
233.	New therapeutically agent with increased antifungal activity	Spulber M, <b>Pinteala M</b> , Fifere A, Harabagiu V, Simionescu BC	Nova Science Publishers	Macrocyclic Chemistry: New Research Developments	2009			
234.	Semi-Empirical PM3 Study On The Complexation of $\alpha$ -Cyclodextrin with 5-Flucytosine	A. Fifere, <b>M. Pinteala</b> , M. Spulber, V. Harabagiu,	T E. Simos and G. Maroulis CP	Computational methods in Science and Engineering, Advances in	2009	83	86	

		B.C. Simionescu, M. Mracec		Computational Science				
235.	Artificial Intelligence Methods: Challenge in Computer Based Polymer Design	T. Rusu, <b>M. Pinteala</b> , Hugh Cartwright	T.E. Simos and G. Maroulis CP	Computational methods in Science and Engineering, Advances in Computational Science	2009	214	217	
236.	Polisiloxani si materiale modificate cu polisiloxani	<b>M. Pinteala</b> , V. Harabagiu	M. Pinteala	Ed.: Politehnum	2006			
237.	Molecular and Supramolecular Architectures based Cellulose and Cyclodextrins	V. Harabagiu, <b>M. Pinteala</b> , N. Marangoci, A. Fifere, B.C. Simionescu, H. Firgo, E. Mulleder, O. Bedue	C. Vasile; G.E. Zaikov	New Trends and Synthetic Polymer Science	2006	Chapter 3		
238.	Computer Aid Design of Polydimethylsiloxanes Copolymer with Imposed Water Delivery Properties	T. Rusu, <b>M. Pinteala</b> , S.C. Buraga		Recent progress in computational Sciences and Engineering	2006	477	481	
239.	Bioapplication Oriented Polymers. Micro- and Nanoparticles for Drug Delivery Systems	V. Harabagiu, G. Fundueanu, <b>M. Pinteala</b> , M. Constantin, T. Hamaide	H. Hasirci, V. Hasirci	Advances in Experimental Medicine and Biology, 553 (Biomaterials. From Molecules to Engineered Tissues)	2004	69	82	
240.	Blends and Networks Containing Silicon-Based Polymers	V. Harabagiu, <b>M. Pinteala</b> , B.C. Simionescu	C. Vasile, A.K. Kulshreshtha	Handbook of Polymer Blends and Composites	2003	525	564	
241.	Synthesis and Photocrosslinking of Polysiloxanes Containing End or Chain Reactive Groups	C. Iojoiu, M Ropot, M.J.M. Abadie, V. Harabagiu, <b>M. Pinteala</b> , B.C. Simionescu	O. Figovsky	Scientific Israel – Technological Advantages	2000	6	20	
242.	Functional Polysiloxanes	V. Harabagiu, <b>M. Pinteala</b> , C. Cotzur, B.C. Simionescu	J.C. Salamone	Concise Polymeric Materials Encyclopedia: Synthesis, Properties and Applications	1999	541	543	

243.	Functional Polysiloxanes	V. Harabagiu, <b>M. Pinteala</b> , C. Cotzur, B. C. Simionescu	The Polymeric Materials Encyclopedia: Synthesis, Properties and Applications	1996	2991	2997	
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**(g) Brevete de invenție**

Nr. Crt.	Titlu	Autori	Număr cerere brevete
244.	Sisteme inteligente de nanoparticule pentru internalizare celulară	Movileanu C., Fikai D., Fikai A., Calin M., Anghelache MF, Gafencu AV, Fundueanu-Constantin Gh, <b>Pinteala M</b> , Simionescu M, Andronescu E	OSIM A/00339/15.06.2021
245.	Separator (electro)magnetic vertical a nanoparticulelor izomagnetice	Fikai D, Ardelean I, Ilie C, Calin M, Fuior EV, Fifere A, <b>Pinteala M</b> , Fundueanu CG, Fikai A, Simionescu ., Andronescu E	OSIM: A/01055/5.12.2018
246.	Instalatie pentru controlul sintezei particulelor de hidroxiapatita prin intermediul campului electric aplicat in regim capacitive	Maier SS, <b>Pinteala M</b> , Maier V, Simionescu A-B	Oficiul de Stat pentru Inventii si Marci, nr. 131774/07.09.2019
247.	Procedeu pentru controlul caracteristicilor particulelor de hidroxiapatita sintetizata in prezenta biomacromoleculilor	Maier SS, <b>Pinteala M</b> , Maier V, Simionescu A-B	Oficiul de Stat pentru Inventii si Marci, nr.130170/30.08.2019
248.	Antiadhesive paper prodn. - consists of hydrophobising by poly:di:methyl-siloxane! vapour, for electric radio frequency discharging	Comanita BM, Olaru N, <b>Pinteala M</b> , Oghina R	RO103142-A Derwent Primary Accession Number: 1993-233325

**(h) Conferințe/comunicări/postere**

- Autor/coautor la peste 40 conferințe susținute la manifestări științifice naționale și internaționale
- Autor/coautor la peste 100 de comunicări susținute la manifestări științifice naționale și internaționale
- Autor/coautor la peste 150 postere prezentate la manifestări științifice naționale și internaționale.

**(h) Proiecte de cercetare****(a) Contracte de cercetare naționale și internaționale câștigate prin competiție ca director de proiect sau responsabil partener**

Nr. crt.	Denumire	Tip finanțare	Cod proiect	Perioada	Valoare (Euro)	Funția în proiect
1.	BIOMAT4CAST - "Petru Poni" Institute of Macromolecular Chemistry Multi-Scale In Silico Laboratory for Complex and Smart Biomaterials	HORIZON-WIDERA-2022-TALENTS-01 (ERA Chairs)	101086667	2022 2027	2.5 Mil	Coordonator științific
2.	Vectori moleculari versatili, destinați transportului și eliberării de gene și medicamente, în lupta împotriva cancerului (TM-Vector)	PCE/UEFISCDI	PN-III-P4-ID-PCE-2020-1523/Ctr. nr. 161 din 16/02/2021	2021 2023	250 000	Director proiect
3.	Platforme teranostice antitumorale pe bază de carbon dots și matrice polimerice (TERADOT)/ Acad. Bogdan C. Simionescu	PCCDI/UEFISCDI	PN-III-P1-1.2-PCCDI-2017-0083/ Ctr. nr. 37PCCDI din 01/03/2018	2018 2021	1 500 000	Responsabil partener
4.	Terapii inteligente pentru boli non-comunicabile, bazate pe eliberarea controlată de compuși farmacologici	PCCDI/UEFISCDI	PN-III-P1-1.2-PCCDI-2017-0697/ Ctr. nr. 13PCCDI/2018	2018 2021	108 000	Responsabil partener

	din celulele încapsulate după manipulare genetica sau bionanoparticule vectorizate (INTERA)/ Acad. Maya Simionescu					
5.	Horizon 2020 WIDESPREAD 2-2014: ERA Chairs: SupraChem Lab Project (no: 667387/2015)	Horizon 2020	Ctr. nr. 667387/2015	2015 2020	2 500 000	Coordonator
6.	Sisteme de inspirație biologică pentru entități proiectate structural și funcțional	PCCE/ UEFISCDI	PNII-PCCE-2011-2-0028/Ctr. nr. 4/2012	2012 2016	1 800 000	Director proiect
7.	Crownmet/ Synthesis and electrochemical characterization of siloxane-crown ether polyamides and their evaluation in heavy metal detection	Sciex-NMS project (Switzerland-Romania)	12089	2013 2015	450 000	Director român
8.	Biomagnet/ Preparation and performance of nanovectors based on magnetic particles for biomedical and biotechnology	Sciex-NMS project (Switzerland-Romania)	12090	2013 2014	450 000	Director Român
9.	Centru de cercetări avansate pentru nanobioconjugate și biopolimeri	Fonduri Structurale: POS-CCE, Axa II, O.2.2.1.	Proiect 88	2009 2011	5 500 000	Coordonator
10.	Nanoconjugate ale ciclodextrinelor cu eliberare controlată de principii active anti HIV și antimicotice/acronim CICLOMED	Program CEEX	06-11-106/25.10.2006	2006 2008	500 000	Director proiect
11.	Nanoconjugate multifuncționale pentru sinteza combinatorială și nanomedicină (2006-2008)	CNCSIS	308/2006	2006 2008	200 000	Director proiect
12.	Forme polimorfice și încapsularea substanțelor bioactive în ciclodextrine pentru îmbunătățirea calității medicamentelor-CALIMED	Program CERES	7/2005	2005 2008	200 000	Responsabil partener
13.	Materiale polimere multifazice – biodegradabile, biocompatibile, biologic active, sisteme motile artificiale – cu aplicații în medicină și pentru asigurarea protecției mediului	Program CERES	3-51/2005	2005 2007	100 000	Responsabil partener
14.	Structuri macromoleculare complexe cu unități siloxanice. Proprietăți și utilizări speciale	CNCSIS	78/Tema 7	2002 2004	50 000	Director proiect
15.	Sinteza și caracterizarea particulelor magnetice de tip magnetită-PEG	Proiect bilateral Romania-Franta „Brancusi	Proiect 315/14.09.2009	2009 2010	6 000	Director proiect
16.	New fullerene-based formulations for controlled release applications	Program ECO-NET Proiect Romania-Franta-Rusia	Proiect 12556WC/2006	2006 2007	30 000	Responsabil partener
17.	Noi complecși interpolimerici conținând secvențe hidrofobe-hidrofile	Program Brancusi Franta-Romania	Proiect 27/2003-2004	2003 2004	6 000	Director proiect

18.	Reacții de adiție 1,3-dipolarofile și de polimerizare a heterociclorilor	MCT	4091/1998	1998 1999		Director proiect
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**(b) Contracte cu industria – director de proiect**

1	Formulation of bio-absorbable class III medical device for local drug delivery	CORTHOTEC LIMITED, London, UK (Company) and ICMPP, Iasi, Romania (Contract Research Organization – CRO)	Research agreement nr. 5289/09.0.8.2019	2019 2020	98 000	Director proiect
2	Research services contract between “P. Poni” Institute of Macromolecular Chemistry and ZEELANDIA H.J. Doeleman bv: Research on the achievement of products of fermentation by lactic bacteria and yeasts with application in bakery and pastry industry (no. 4598/1.09.2012)	Research services contract between “P. Poni” Institute of Macromolecular Chemistry and ZEELANDIA H.J. Doeleman bv:	Ctr. nr. 4598/1.09.2012	2012 2014	110 000	Director proiect