



Curriculum vitae

INFORMAȚII PERSONALE

RICA BOSCENCU

Universitatea de Medicină și Farmacie "Carol Davila", Facultatea de Farmacie, București

E-mail: rica.boscencu@umfcd.ro; rboscencu@yahoo.com;

EXPERIENȚA PROFESIONALĂ

2013–Prezent Profesor universitar (2013)

Abilitare pentru conducere de doctorat (2013)

Facultatea de Farmacie, Universitatea de Medicină și Farmacie "Carol Davila", București

Activitati si
responsabilitati
principale

Activitate didactică

- organizarea și susținerea cursului de Chimie Generala și Anorganică pentru studenții anului I ai Facultății de Farmacie, București,
- coordonarea studenților anului I în cadrul lucrărilor de laborator incluse în programa analitică a disciplinei de Chimie Generală și Anorganică,
- evaluarea studenților privind însușirea notiunilor prezentate în cadrul orelor de curs, seminar și lucrări practice,
- elaborarea de materiale didactice,
- coordonarea doctoranzilor în realizarea tezelor de doctorat în vederea obținerii titlului de doctor în științe farmaceutice,
- membru în comisii pentru susținerea examenului de abilitare, susținerea examenului de admitere la doctorat, examinarea candidaților pentru ocuparea de posturi didactice, susținerea și evaluarea lucrărilor de licență, a examenului de admitere la Facultatea de Farmacie, UMF Carol Davila.

Activitate științifică orientată spre dezvoltarea de noi sisteme destinate diagnozei și terapiei tumorilor, o abordare teranostică prin valorificarea potențialului biomedical, a versatilității nanoparticulelor și a porfirinelor fluorescente cu rol de fotosensibilizatori; activitate de cercetare științifică bazată pe colaborarea interdisciplinară cu colective de cercetători de la:

Centrul de Chimie Fizica Moleculara al Institutului de Nanotehnologii (Lisabona), Universitatea din Madrid, Dokumar (Turcia), Institutul Politehnic Portalegre, Institutul Național de Cercetare Dezvoltare în Domeniul Patologiei și Științelor Biomedicale “Victor Babes” (București), Institutul de Chimie Fizică al Academiei Române, S.C. Biotehnos (București).

Responsabil din partea UMFCD pentru proiectul național de cercetare: *Customized photodynamic protocol with innovative porphyrins and redox modulators in premalignant cutaneous disorders-preclinical demonstration*, cu perioada de desfășurare 2022-2024.

Director al proiectelor internaționale ERA.NET, programul HORIZON 2020:

✓ *Advanced theranostic approach in cancer combining photodynamic therapy and nanoparticles*, cu perioada de desfășurare 2016–2019.

✓ *Tetrapyrrole nanostructures towards fluorescent molecular markers for biomedicine*, cu perioada de desfășurare 2010-2013.

2006–2013 Conferențiar universitar

Facultatea de Farmacie, Universitatea de Medicină și Farmacie “Carol Davila”, București

Activități și
responsabilități
principale

Activitate didactică

- organizarea, susținerea cursurilor și coordonarea lucrărilor de laborator pentru studenții anului I ai Facultății de Farmacie, București,
- evaluarea studenților privind însușirea noțiunilor prezentate în cadrul orelor de curs, seminar și lucrări practice,
- elaborarea de materiale didactice,
- coordonarea unor lucrări de licență a studenților farmaciști,
- membru în comisii pentru ocuparea de posturi didactice, susținere și evaluarea lucrărilor de licență, a examenului de admitere la Facultatea de Farmacie, UMF Carol Davila.

Activitate științifică în domeniul sintezei și evaluării unor noi compuși cu aplicabilitate în domeniul biomedical, activitate desfășurată în vederea realizării obiectivelor unor proiecte de cercetare castigate prin competiție la nivel național și internațional.

Director al proiectelor de cercetare:

✓ *Tetrapyrrole nanostructures towards fluorescent molecular markers for biomedicine*, proiect international ERA.NET (2010-2013).

✓ *In vitro evaluation at the cellular level of certain polifunctional heterocyclic systems with potential biomedical applications*, proiect PNII (Parteneriate in Domeniile Prioritare) desfasurat in perioada 2007-2010.

Membru in colectivul de cercetare al proiectului:

✓ *New nucleoside analogues potential active for cancer therapy-from synthesis to cellular and molecular targets*, proiect PNII (Parteneriate in Domeniile Prioritare) desfasurat in perioada 2007-2010.

2002–2006 Șef de lucrări

Facultatea de Farmacie, Universitatea de Medicină și Farmacie “Carol Davila”, București

Activitati si
responsabilitati
principale

Activitate didactică prin: susținere de cursuri, coordonare lucrari de laborator, evaluare studenti, elaborare materiale didactice (curs, lucrari de laborator), coordonare lucrări de licență a studentilor farmacisti, participare ca membru in comisii pentru examenul de admitere, examenul de licenta, examene pentru ocuparea de posturi didactice in Facultatea de Farmacie, UMF Carol Davila.

Activitate științifică in domeniul sintezei si evaluarii structurale si functionale a unor noi compusi anorganici cu aplicabilitate in domeniul biomedical. Responsabil din partea UMFCD pentru proiectul national:

✓ *The study of the structure and properties of some tetrapyrrolic meso-substituted compounds*, proiect MEC-CNCSIS, 2005-2007.

1998–2002 Asistent universitar

Facultatea de Farmacie, Universitatea de Medicină și Farmacie “Carol Davila”, București

Activitati si
responsabilitati
principale

Activitate didactică prin indrumarea studentilor in cadrul orelor de lucrari practice, coautor la elaborarea de materiale didactice, membru în Comisia pentru examenul de admitere la Facultatea de Farmacie.

Activitate științifică in domeniul obtinerii si caracterizarii de noi compusi anorganici cu aplicatii biomedicale.

1993–1998 Chimist

Institutul de Cercetari Chimice Bucuresti

Activitati si
responsabilitati
principale

Activitate științifică bazata pe studiul sintezei unor compusi macrociclici cu aplicatii biomedicale. Participarea in calitate de responsabil de proiect (6) sau membru in colectiv (10) , la realizarea obiectivelor unor contracte de cercetare stiintifica.

EDUCAȚIE ȘI FORMARE

Iulie 2013 Abilitare pentru conducere de doctorat in domeniul Stiinte Farmaceutice (Ordinul Ministrului Educatiei Nationale nr. 4104 MD/5.07.2013).

Teza de abilitare: "*Contributions in the field of the mesoporphyrinic complexes with biomedical applications*" (data susținerii tezei - 29.03.2013).

1996 - 2002 Doctor în Chimie (Ordinul Ministrului Educatiei si Cercetarii nr.4198/29.07.2002).

Teza de doctorat: „*Combinatii complexe cu liganzi macrociclici tetrapirolici cu potentiale aplicatii biomedicale*“.

2002 –2005 Diploma de licență în Farmacie

Facultatea de Farmacie, Universitatea de Medicină și Farmacie “Carol Davila”, București

1988 – 1993 Diploma de licență în Chimie

Facultatea de Chimie, Universitatea București

COMPETENȚE PERSONALE

Competențe și
abilități sociale

Abilități de comunicare, de lucru în echipă (colaborare și capacitate adecvată de comunicare cu studenții, menținerea unui climat optim de lucru) dobândite pe parcursul celor peste 30 de ani de activitate didactica și științifică. Abilitati de prezentare dobândite de-a lungul anilor de activitate academică, didactică (cursuri, prelegeri, activități practice) dar și prin numeroasele prezentări susținute în cadrul manifestărilor științifice.

Competențe și
aptitudini
organizatorice

Abilități în managementul activitatii de cercetare:
- experiență în managementul de proiect – director al proiectelor internationale de tip ERA NET (2010-2013, 2016-2019), director de proiect in cadrul programului national Parteneriate PNII (2007-2010), responsabil

proiect national *Customized photodynamic protocol with innovative porphyrins and redox modulators in premalignant cutaneous disorders-preclinical demonstration* (2022-2024), responsabil pentru alte 7 proiecte de cercetare desfasurate in perioada 1994-2007, membru în colectivele de cercetare a 11 proiecte de cercetare stiintifica;

- conducator de doctorat - 3 teze de doctorat coordonate si finalizate:

Cercetări privind obținerea și evaluarea unor compuși ai lantanidelor cu liganzi n-heterociclici cu aplicații farmaceutice (2018 - farm. Andreea Carac, <https://umfcd.ro/sustinere-teza-drd-carac-c-andreea>),

Cercetări interdisciplinare asupra unor compuși cu structuri macrociclice cu potențiale aplicații în diagnoza și terapia antitumorală (2019 - farm. Natalia Radulea, <https://umfcd.ro/sustinere-teza-drd-radulea-natalia>),

Cercetări asupra compușilor bioactivi de interes terapeutic din Trifolium Pratense L. si Medicago Sativa L. (2021 – farm. Roxana Chiriac (Axente), <https://umfcd.ro/sustinere-teza-drd-chiriac-cas-axente-a-elena-roxana>).

- coordonator al unor lucrări de licență a studentilor farmacisti

Informații suplimentare

Premii obtinute

▪ medalie de aur pentru inventia cu titlul: *Derivat porfirinic pentru utilizare in teranostica*, Brevet nr. 132752 B1 /29.11.2023. **R. Boscencu**, G. Manda, R. P. Socoteanu, M. E. Hinescu, I. V. Neagoe, L. Olariu, B. Dumitriu; 6th European Exhibition of Creativity and Innovation Iasi, Romania, 6-8 June 2024.

▪ premiul acordat de UEFISCDI in cadrul programului „*Premierea rezultatelor cercetarii*”, sesiunea decembrie 2014, pentru obtinerea atestatului de abilitare (Ordinul Ministrului Educatiei Nationale nr. 4104 MD/5.07.2013), in urma sustinerii tezei de abilitare cu titlul: "*Contributions in the field of the mesoporphyrinic complexes with biomedical applications*"

▪ 17 premii acordate de UEFISCDI in cadrul programului „*Premierea rezultatelor cercetarii*” pentru urmatoarele lucrari:

✓ *Insight into the Web of Stress Responses Triggered at Gene Expression Level by Porphyrin-PDT in HT29 Human Colon Carcinoma Cells*, M. Dobre, **R. Boscencu**, I.V. Neagoe, M. Surcel, E. Milanesi, G. Manda, Pharmaceutics, 13, 1032, 2021.

✓ *Surface photochemical studies of nano-hybrids of A3B porphyrins and Fe3O4 silica-coated nanoparticles*, L. F. Vieira Ferreira, I. Ferreira Machado,

A. Gama, F. Lochte, R. Socoteanu, **R. Boscencu**, Journal of Photochemistry and Photobiology A: Chemistry, 387, 112152, 10.1016/j.jphotochem.2019.112152, 2020.

✓ *Comparison of the Polyphenolic Profile of Medicago sativa L. and Trifolium pratense L. Sprouts in Different Germination Stages Using the UHPLC-Q Exactive Hybrid Quadrupole Orbitrap High-Resolution Mass Spectrometry*, E. R. Chiriac, C. L. Chitescu, D. Borda, M. Lupoae, C. E. Gird, E. I. Geană, G.V. Blaga, **R. Boscencu**, Molecules, 25, 2321, 2020.

✓ *New A₃B porphyrins as potențial candidates for theranostic. Synthesis and photochemical behaviour*, **R. Boscencu**, R. P. Socoteanu, G. Manda, N. Radulea, M. Anastasescu, A. Gama, I. Ferreira Machado, L. F. Vieira Ferreira, Dyes and Pigments, 160, 410-417, 2019.

✓ *Atomic force microscopy and dark-toxicity pattern of unsymmetrical metallated porphyrins M(II)P-type as theranostics agents*, R. P. Socoteanu, M. Anastasescu, **R. Boscencu**, C. Constantin, M. Neagu, Materials Science & Engineering B, 245 85–94, 2019.

✓ *Tetrapyrrolic compound with theranostic applications and obtaining process*, **R. Boscencu**, G. Manda, R. P. Socoteanu, M. E. Hinescu, N. Radulea, I. Neagoe, L. F. Vieira Ferreira Patent no. 131946/2019.

✓ *Synthesis, characterization and antitumor activity of two new dipyrrolium ylide based lanthanide(III) complexes*, A.Cârâc, **R. Boscencu**, R.M. Dinică, J.F.Guerreiro, F.Silva, F.Marques, M.P.Cabral Campello, C.Moise, O.Brîncoveanu, M.Enăchescu, G. Cârâc, A. Tăbăcaru, Inorganica Chimica Acta, 480, 83-90, 2018.

✓ *Studies on the synthesis, photophysical and biological evaluation of some unsymmetrical meso-tetrasubstituted phenyl porphyrins*, **R. Boscencu**, G. Manda, N. Radulea, R. P. Socoteanu, L. C. Ceafalan, I. V. Neagoe, I. F. Machado, S. H. Basaga, L. F. V. Ferreira, Molecules, 22, 1815, 2017.

✓ *Synthesis, spectral analysis and preliminary in vitro evaluation of some tetrapyrrolic complexes with 3d metal ions*, R. Socoteanu, G. Manda, **R. Boscencu**, G. Vasiliu, A. S. Oliveira, Molecules, 20, 15488-15499, 2015.

✓ *Aggregation behavior of some asymmetric porphyrins vs. basic biological tests response*, R.Socoteanu, M. Anastasescu, A. S. Oliveira, G. Dobrescu, **R. Boscencu**, C. Constantin, International Journal of Photoenergy, Volume 2015, <http://dx.doi.org/10.1155/2015/302587>, 2015.

✓ *AFM imaging, fractal analysis and in vitro cytotoxicity evaluation of Zn(II)*

vs.Cu(II)porphyrins, R. Socoteanu, M. Anastasescu, G. Dobrescu, **R. Boscencu**, G. Vasiliu, C.Constantin, *Chaos Solitons and Fractals*, 77, 304–309, 2015.

✓ *Synthesis, Photophysical and Cytotoxicity Evaluation of A₃B Type Mesoporphyrinic Compounds*, L. F. Vieira Ferreira, D. P. Ferreira, A. S. Oliveira, **R. Boscencu**, R. Socoteanu, M. Ilie, C. Constantin, M. Neagu, *Dyes and Pigments* 95, 296-303, 2012.

✓ *Asymmetrically substituted porphyrin derivative and process for obtaining the same*. **R. Boscencu**, D. Licsandru, V. Nacea, Patent no. 122094 B1/2008.

✓ *Synthesis and spectral evaluation of some unsymmetrical mesoporphyrinic complexes*, **R. Boscencu**, A. S. Oliveira, D. P. Ferreira and L. F. V. Ferreira, *Int. J. Mol. Sci.*, 13, 8112-8125, 2012.

✓ *Spectroscopic Behavior of Some A3B Type Tetrapyrrolic Complexes in Several Organic Solvents and Micellar Media*, **R. Boscencu**, M.Ilie, R. Socoteanu., *Int. J. Mol. Sci.*, 12, 5552-5564, 2011.

✓ *Synthesis and characterisation of some new unsymmetrically-substituted mesoporphyrinic mono-hydroxyphenyl complexes of Cu(II)*, **R. Boscencu**, R. Socoteanu, A. Sousa Oliveira, L.F. Vieira Ferreira, V. Nacea, G. Patrinoiu, *Polish J. Chem.*, 82, 509-521, 2008.

✓ *Studies on Zn(II) monohydroxyphenyl mesoporphyrinic complexes: Synthesis and characterization*, **R. Boscencu**, R. Socoteanu, A. Sousa Oliveira, L.F. Vieira Ferreira, *Journal of the Serbian Chemical Society*, 73(7):713-726, 2008.

Activitatea
publicistică
(Anexa 1):

▪ 7 cărți de specialitate și un capitol de carte publicat într-o editura internațională

▪ 10 brevete de invenție

▪ 81 articole in extenso publicate in reviste din fluxul stiintific international principal; 68 articole in reviste indexate ISI: *Pharmaceutics* (I.F.= 6,525), *Pharmaceutics* (I.F. = 4.3), *Gels* (I.F. = 5), *Molecules* (I.F = 4.2), *Plants* (I.F. = 4.0), *Materials Science & Engineering* (I.F.=4,706), *Dyes and Pigments* (I.F.=4,613), *International Journal Molecular Science* (I.F.=4,556), *Journal of Photochemistry and Photobiology* (I.F.=3,306), *Current Pharmaceutical Design* (I.F.=2,208), *Inorganica Chimica Acta* (I.F.=2,304), *International Journal of Photoenergy* (I.F.=1,547), *Chemical Physics* (I.F. = 1,771), *Revista de Chimie* (I.F.=1,755).

▪ 46 lucrari comunicate la manifestari stiintifice nationale si internationale

ANEXA 1

A. Carti si capitole in carti

1. **R. Boscencu**, V. Nacea, *Chimie Anorganica Descriptiva*, Ed. Universitara „Carol Davila”, Bucuresti, 2013, ISBN 978-973-708-674-7.
2. R. P. Socoteanu, **R. Boscencu**, A. Hirtopeanu, G. Manda, A. S. Oliveira, M. Ilie, L. F. Vieira Ferreira - *Trends in Interdisciplinary Studies Revealing Porphyrinic Compounds Multivalency Towards Biomedical Application*, in Biomedical Engineering - From Theory to Applications, Reza Fazel (Ed.), InTech Open, August 2011, Chapter 15, 355-390, ISBN 978-953-307-637-9.
3. V. Nacea, **R. Boscencu**: *Chimie Anorganica. Baze teoretice*, Ed. Universitara „Carol Davila”, Bucuresti, 2010, ISBN 978-973-708-463-7.
4. **R. Boscencu**, *Contributii în domeniul combinatiilor complexe cu liganzi macrociclici cu potentiale aplicatii biomedicale*, Ed.Tehnoplast, Bucuresti, 2005, ISBN-97386802-6-3.
5. V. Nacea, **R. Boscencu**, *Chimie Anorganica-Lucrari practice*, Ed.Tehnoplast, Bucuresti, 2005, ISBN-97386802-5-5.
6. V. Nacea, **R. Boscencu**, *Chimie Anorganica (curs-vol.II)*; Ed.Tehnoplast, Bucuresti, 2001, ISBN-973-98254-9-4.
7. V. Nacea, **R. Boscencu**, *Chimie Anorganica (curs-vol.I)*; Ed.Tehnoplast, Bucuresti, 2000, ISBN-973-98253-9-7.
8. V. Nacea, **R. Boscencu**, *Chimie Anorganica (curs-vol.I)*; Ed.Tehnoplast, Bucuresti, 1998, ISBN-973-98254-1-9.

B. Brevete de inventie

1. **R. Boscencu**, D. Licsandru, V. Nacea, „*Derivat de porfirina substituit asimetric si procedeu de obtinere*”, Brevet nr. 122094 B1/2008.
2. **R. Boscencu**, R. Socoteanu, V. Nacea, C. Constantin, G. Manda, M. Neagu, M. Ilie, D.L. Baconi, A.S. Oliveira, L.F. Vieira Ferreira, „*Compus tetrapirolic nesimetric substituit-procedeu de obținere și evaluare biologică la nivel celular*”. Brevet nr.123419 B1/2012.
3. **R. Boscencu**, R. Socoteanu, C. Constantin, M.Neagu, G. Manda, M. Ilie, V.Nacea, C.E.Gird, A.S.Oliveira, L.F.Vieira Ferreira. „*Compus porfirinic nesimetric substituit, ca agent de fotosensibilizare, utilizat in diagnosticul cancerului si procedeu de preparare a acestuia*”, Brevet nr. 126761 B1/2014.

4. R. Socoteanu, **R. Boscencu**, V.Nacea, C. Constantin, G. Manda, M. Neagu, M. Ilie, A.S. Oliveira, L.F. Vieira Ferreira, „*Compus porfirinic bio-funcționalizat*”, Brevet nr.125018 B1/2015.

5. **R. Boscencu**, G. Manda, R. P. Socoteanu, M. E. Hinescu, N. Radulea, I. V. Neagoe, L. F. Vieira Ferreira, *Compus tetrapirolic cu aplicații în teranostică și procedeu de obținere a acestuia*, Brevet nr. 131946/2019

6. **R. Boscencu**, G. Manda, R. P. Socoteanu, M. E. Hinescu, I. V. Neagoe, L. Olariu, B. Dumitriu, *Derivat porfirinic pentru utilizare în teranostică*, Brevet nr. 132752 B1 /29.11.2023.

7. **R. Boscencu**, G. Manda, L. Olariu, I. V. Neagoe, R. P. Socoteanu, M. E. Hinescu, L.F. Vieira Ferreira, A. Cuadrado, H. Basaga, *Derivat tetrapirolic destinat terapiei fotodinamice antitumorale și procedeu de obținere a acestuia*, Cerere de brevet nr. a 2019 00799/2019.

8. A. M. Burloiu, G. Manda, **R. Boscencu**, I. V. Neagoe, D. Lupuliasa, M. Surcel, L. Olariu, D. P. Mihai. *Compus porfirinic cu potențial de marker fluorescent în dermato-oncologie*. Cerere de brevet nr. 202200775/2022 (RO-BOPI 5/30.05.2023).

9. E. A. Ozon, A. M. Burloiu, **R. Boscencu**, G. Manda, V. Anuta, C. E. Dinu Pirvu, D. Lupuliasa, I. V. Neagoe, A. M. Musuc, M. Anastasescu, R. P. Socoteanu. *Porfirină asimetrică în matrice de hidroxipropilmetilceluloză pentru tratamentul afecțiunilor cutanate premaligne*. Cerere de brevet A00567/23.09.2024.

10. L. Olariu, **R. Boscencu**, G. Manda, S. Serbu, A. M. Burloiu, D. P. Mihai, M. D.Ene. *Hidrogel cu porfiringa în asociere cu chitosan pentru potențiale aplicații în dermato-oncologie*. Cerere de brevet A00630/23.10.2024.

C. Articole în extenso publicate în reviste din fluxul științific internațional principal

1. A. M. Burloiu, E. A.; Ozon, A. M. Musuc, M. Anastasescu, R. P. Socoteanu, I. Atkinson, D. Culita, V. Anuta, I.A. Popescu, D. Lupuliasa, D. P. Mihai, C. E. Gîrd, **R. Boscencu**, *Porphyrin photosensitizers into polysaccharide based biopolymer hydrogels for topical Photodynamic Therapy: Physicochemical and pharmacotechnical assessments*. Gels, 10, 499, 2024.

2. A. M. Burloiu, D. P. Mihai, G. Manda, D. Lupuliasa, I. V. Neagoe, R. P. Socoteanu, M. Surcel, L. I. Anghelache, L. Olariu, C. E. Gîrd, **R. Boscencu**, *In silico and in vitro studies*

on an asymmetrical porphyrin derivative with therapeutic potential in skin disorders. *Pharmaceuticals*, 17(6), 688, 2024.

3. A. M. Burloiu , G. Manda, D. Lupuliasa, R. P. Socoteanu, D. P. Mihai, I. V. Neagoe, L. I. Anghelache, M. Surcel, M. Anastasescu, L. Olariu, C. E. Gîrd, S. F. Barbuceanu, L. F. Vieira Ferreira, **R. Boscencu**. *Assessment of some unsymmetrical porphyrins as promising molecules for photodynamic therapy of cutaneous disorders*. *Pharmaceuticals*, 17(1), 62, 2024.

4. I. M. Ivan, V. Popovici, C. L. Chițescu, L. Popescu, E. A. Luță, E. I. Ilie, L. I. Brașoveanu, C. M. Hotnog, O. T; Olaru, G. M. Nițulescu, **R. Boscencu**, C. E. Gîrd. *Phytochemical Profile, Antioxidant and Cytotoxic Potential of Capsicum annuum (L.) Dry Hydro-Ethanollic Extract*. *Pharmaceutics*, 16(2), 245, 2024.

5. I. M. Ivan, O. T. Olaru, V. Popovici, C. L. Chițescu, L. Popescu, E. A. Luță, E. I. Ilie, L. I. Brașoveanu, C. M. Hotnog, G. M. Nițulescu, **R. Boscencu**, C. E. Gîrd, *Antioxidant and Cytotoxic Properties of Berberis vulgaris (L.) Stem Bark Dry Extract*. *Molecules* 29(9), 2053, 2024.

6. E. Ionus, V. Schröder, C. L. Chițescu, L. A. Bucur, C. E. Lupu, D. E. Dumitrescu, L. Popescu, D. P. Mihai, O. T. Olaru, G. M. Nițulescu, **R. Boscencu**, Gîrd, C.E. *Phytochemical, In Vitro, In Vivo, and In Silico Research on the Extract of Ajuga chamaepitys (L.) Schreb.* *Plants*, 13(9), 1192, 2024.

7. E. I. Ilie, L. Popescu, E. A. Luță, A. Biță, A. R. Corbu, D. P. Mihai, A. C. Pogan, T. D. Balaci, A. Mincă, L. E. Duțu, O. T. Olaru, **R. Boscencu**, C. E. Gîrd, *Phytochemical Characterization and Antioxidant Activity Evaluation for Some Plant Extracts in Conjunction with Pharmacological Mechanism Prediction: Insights into Potential Therapeutic Applications in Dyslipidemia and Obesity*. *Biomedicines*, 12(7), 1431, 2024.

8. A. Ghica, M. L. Tănase, C. M. Niculițe, A. Tocilă, L. Popescu, E. A. Luță, O.T. Olaru, V. Popovici, T. D. Balaci, L. E. Duțu, **R. Boscencu**, C. E. Gîrd, *In Vitro Toxicity Evaluation of Some Plant Extracts and Their Potential Application in Xerosis cutis*. *Cosmetics*, 11, 124. 2024.

9. **R. Boscencu**, N. Radulea, G. Manda, I. F. Machado, R. P. Socoteanu, D. Lupuliasa, A. M. Burloiu, D. P. Mihai, L. F. Vieira Ferreira, *Porphyrin macrocycles: general properties and theranostic potential*. *Molecules*, 28(3), 11492023, 2023.

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Octombrie 2024

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