

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: Facultatea de Inginerie Chimica și Biotehnologii

Departamentul: Chimie anorganică, chimie fizică și electrochimie

Nume Prenume: Radulescu Marius

Gradul didactic: Conferențiar

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Separarea recuperativă a unor cationi și anioni din apele reziduale prin schimb ionic

B. Cărți și capitole în cărți publicate în ultimii 10 ani

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

C1. Marius Radulescu, Denisa Fikai, Ovidiu Oprea, Anton Fikai, Ecaterina Andronescu and Alina Maria Holban, Antimicrobial Chitosan based Formulations with Impact on Different Biomedical Applications. *Current Pharmaceutical Biotechnology* **2015**, *16*(2), 128-136;

C2. Gozde Unsoy, Ufuk Gunduz, Ovidiu Oprea, Denisa Fikai, Maria Sonmez, **Marius Radulescu**, Mihaela Alexie and Anton Fikai. Magnetite: From Synthesis to Applications, *Current Topics in Medicinal Chemistry* **2015**, *15*(16), 1622-40;

C3. Laura Cristina Rusu, Ioan Avram Nedelcu, Madalina Georgiana Albu, Maria Sonmez, Georgeta Voicu, **Marius Radulescu**, Denisa Fikai, Anton Fikai, Meda-Lavinia Negrutiu and Cosmin Sinescu. Tetracycline Loaded Collagen/Hydroxyapatite Composite Materials for Biomedical Applications. *Journal of Nanomaterials* **2015**, *1*, 1-5;

C4. Dragos Radulescu, Valentina Grumezescu, Ecaterina Andronescu, Alina Maria Holban, Alexandru Mihai Grumezescu, Gabriel Socol, Alexandra Elena Oprea, **Marius Radulescu**, Adrian Surdu, Roxana Trusca, Radu Radulescu, Mariana Carmen Chifiriuc, Miruna S. Stan, Sabrina Constanda, Anca Dinischiotu. Biocompatible cephalosporin-hydroxyapatite-poly(lactic-co-glycolic acid) coatings fabricated by MAPLE technique for the prevention of bone implant associated infections. *Applied Surface Science* **2016**, *374*, 387-396;

C5. Marius Radulescu, Ecaterina Andronescu, Georgiana Dolete, Roxana Cristina Popescu, Oana Fufa, Mariana Carmen Chifiriuc, Laurentiu Mogoanta, Tudor-Adrian Balseanu, George Dan Mogosanu, Alexandru Mihai Grumezescu and Alina Maria Holban. Silver nanocoatings for reducing the exogenous microbial colonization of wound dressings. *Materials* **2016**, *9*, 345;

C6. Marius Radulescu, Ecaterina Andronescu, Alina Maria Holban, Bogdan Stefan Vasile, Florin Iordache, Laurentiu Mogoanta, George Dan Mogosanu, Alexandru Mihai Grumezescu, Mihaela Georgescu, Mariana Carmen Chifiriuc. Antimicrobial Nanostructured Bioactive Coating Based on Fe₃O₄ and Patchouli Oil for Wound Dressing. *Metals* **2016**, *6*, 103;

C7. Marius Radulescu, Alina Maria Holban, Laurentiu Mogoanta, Tudor-Adrian Balseanu, George Dan Mogosanu, Diana Savu, Roxana Cristina Popescu, Oana Fufa, Alexandru Mihai Grumezescu, Eugenia Bezirtzoglou, Veronica Lazar, and Mariana Carmen Chifiriuc. Fabrication, Characterization, and Evaluation of Bionanocomposites Based on Natural Polymers and Antibiotics for Wound Healing Applications. *Molecules* **2016**, *21*, 761;

C8. Alberto Ion, Ecaterina Andronescu, Dragos Radulescu, **Marius Radulescu**, Florin Iordache, Bogdan Stefan Vasile, Adrian Vasile Surdu, Madalina Georgiana Albu, Horia Maniu, Mariana Carmen

Chifiriuc, Alexandru Mihai Grumezescu and Alina Maria Holban. Biocompatible 3D Matrix with Antimicrobial Properties. *Molecules* **2016**, *21*, 115;

C9. Marius Radulescu, Ecaterina Andronescu, Andreea Cirja, Alina Maria Holban, Laurentiu Mogoanta, Tudor-Adrian Balseanu, Bogdan Catalin, Tiberiu Paul Neagu, Ioan Lascar, Denisa Alexandra Florea, Alexandru Mihai Grumezescu, Bianca Ciubuca, Veronica Lazar, Mariana Carmen Chifiriuc, Alexandra Bolocan. Antimicrobial coatings based on zinc oxide and orange oil for improved bioactive wound dressings and other applications. *Rom J Morphol Embryol* **2016**, *57(1)*, 107–114;

C 10. Oana Roxana Sava, Daniel Florin Sava, **Marius Radulescu**, Madalina Georgiana Albu, Denisa Ficai, Maria Fernanda Veloz-Castillo, Miguel Angel Mendez-Rojas, Anton Ficai. Trends in Materials Science for Ligament Reconstruction. *Curr Stem Cell Res & Ther* **2017**, *12(2)*, 145-154;

C11. Marius Radulescu, Simona Popescu, Denisa Ficai, Maria Sonmez, Ovidiu Oprea, Angela Spoiala, Anton Ficai, Ecaterina Andronescu. Advances in Drug Delivery Systems, from 0 to 3D superstructures. *Current Drug Targets* **2018**, *19*, 393-405, WOS:000426208400008;

C12. Marilena Petrescu, Raul Augustin Mitran, Cristian Matei, **Marius Radulescu**, Daniela Berger. Silica-Alginate Beads for Intestinal Ketoprofen Delivery. *Revista de chimie* **2018**, *69(12)*, 3416-3422, WOS:000458533800017;

C13. Teodor Iulian Pavel, Cristina Chircov, **Marius Radulescu***, Alexandru Mihai Grumezescu. Regenerative Wound Dressings for Skin Cancer. *Cancers* **2020**, *12(10)*, 2954, WOS:000582665900001;

C14. Adrian Emilian Bădilă, Dragoş Mihai Rădulescu, Adelina-Gabriela Niculescu, Alexandru Mihai Grumezescu, **Marius Rădulescu*** and Adrian Radu Rădulescu. Recent Advances in the Treatment of Bone Metastases and Primary Bone Tumors: An Up-to-Date Review. *Cancers* **2021**, *13(16)*, 4229, WOS:000688809300001;

C15. Bogdan Costăchescu, Adelina-Gabriela Niculescu, Raluca Ioana Teleanu, Bogdan Florin Iliescu, **Marius Rădulescu***, Alexandru Mihai Grumezescu, and Marius Gabriel Dabija. Recent Advances in Managing Spinal Intervertebral Discs Degeneration. *International Journal of Molecular Sciences* **2022**, *23 (12)*, 6460, WOS:000816556900001;

C16. Alfred Najm, Adelina-Gabriela Niculescu, **Marius Radulescu**, Bogdan Severus Gaspar, Alexandru Mihai Grumezescu and Mircea Beuran, Novel Material Optimization Strategies for Developing Upgraded Abdominal Meshes. *Int. J. Mol. Sci.*, *24*, 14298, **2023**;

C17. Adelina-Gabriela Niculescu, Alina Morosan, Alexandra Catalina Bîrca, Oana Gherasim, Ovidiu Cristian Oprea, Bogdan Stefan Vasile, Bogdan Purcareanu, Dan Eduard Mihaiescu*, **Marius Radulescu** and Alexandru Mihai Grumezescu, Microwave-Assisted Silanization of Magnetite Nanoparticles Pre-Synthesized by a 3D Microfluidic Platform. *Nanomaterials*, *13*, 2795, **2023**;

C18. Alfred Najm, Adelina-Gabriela Niculescu, Alexandra Bolocan, **Marius Rădulescu***, Alexandru Mihai Grumezescu, Mircea Beuran and Bogdan Severus Gaspar, Chitosan and Cyclodextrins - Versatile Materials Used to Create Drug Delivery Systems for Gastrointestinal Cancers. *Pharmaceutics*, *16*, 43, **2024**;

C19. Alexandru Scafa Udriste, Alexandra Cristina Burdusel, Adelina-Gabriela Niculescu, **Marius Rădulescu*** and Alexandru Mihai Grumezescu, Metal-Based Nanoparticles for Cardiovascular Diseases. *Int. J. Mol. Sci.*, *25*, 1001, **2024**;

C20. Alexandru Scafa Udriste, Alexandra Cristina Burdusel, Adelina-Gabriela Niculescu, **Marius Rădulescu*** and Alexandru Mihai Grumezescu, Coatings for Cardiovascular Stents—An Up-to-Date Review, *Int. J. Mol. Sci.*, *25*, 1078, **2024**;

C21. Alexandru Scafa Udriste, Alexandra Cristina Burdusel, Adelina-Gabriela Niculescu, **Marius Rădulescu**, Paul Cătălin Balaure* and Alexandru Mihai Grumezescu, Organic Nanoparticles in Progressing Cardiovascular Disease Treatment and Diagnosis, *Polymers*, *16*, 1421, **2024**;

C22. George-Alexandru Croitoru, Diana-Cristina Pîrvulescu, Adelina-Gabriela Niculescu, **Marius Rădulescu***, Alexandru Mihai Grumezescu and Carmen-Larisa Nicolae, Advancements in Aerogel Technology for Antimicrobial Therapy: A Review, *Nanomaterials*, *14*, 1110, **2024**;

C23. George-Alexandru Croitoru, Diana-Cristina Pîrvulescu, Adelina-Gabriela Niculescu*, Dragos, Epistatu, **Marius Rădulescu**, Alexandru Mihai Grumezescu and Carmen-Larisa Nicolae, Nanomaterials in Immunology: Bridging Innovative Approaches in Immune Modulation, Diagnostics, and Therapy, **J. Funct. Biomater.**, 15, 225, **2024**.

**D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți
(neindexate)**

E. Brevete obținute în întreaga activitate