

Universitatea POLITEHNICA din București
Facultatea: INGINERIE CHIMICA ȘI BIOTEHNOLOGII
Departament: CHIMIE GENERALĂ
Conf. dr. ing. ZGÂRIAN Roxana Gabriela

LISTA
lucrărilor științifice în periodice

(a) teza de doctorat;

T1. Roxana Gabriela Zgârian (Popescu), „Elaborare și sinteză de noi materiale polimerice cu aplicații în tehnologii de vârf”, 2010

(b) brevete de invenție

B1. I. B. Ionescu, D. Iordăchescu, **Roxana Gabriela Popescu**, I. Demetrescu, H. Iovu, *Compoziție de film biopolimeric pe bază de gel de colagen și procedeu de obținere a acesteia*, Brevet de invenție Nr. 122673, Oficiul de stat pentru invenții și mărci. Data eliberării: 30.11.2009. BOPI nr. 11/2009

B2. Berteanu E., Tihan G.T., **Zgarian R.G.**, Tatia R., Totea G., Ionita D., Tcacenco L., Iordachel C., Demetrescu I., *Biopolymeric membranes with immobilized alkaline phosphatase and metallic Zn ion for biomedical applications*, **RO134094-A2, 2020.**

(c) cărți și capitole în cărți;

I1. Mihaela Mîndroiu, Cristian Pîrvu, **Roxana Popescu**, *Chimie Generală Experimentală*, ISBN: 978-606-515-044-7, Ed. Politehnica Press, 179 pag., **2009**

(d) articole / studii *în extenso*, publicate în reviste din fluxul științific internațional principal (*cotate / indexate ISI Thomson Reuters, sau indexate în alte Baze de Date Internationales - BDI specific domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță*)

Ris 1. Ungureanu, C, Tihan, GT*, **Zgarian, RG***, Fierascu, I, Baroi, AM, Raileanu, S, Fierascu, RC, *Metallic and Metal Oxides Nanoparticles for Sensing Food Pathogens-An Overview of Recent Findings and Future Prospects*, **Materials**, **2022**, 15(15), Article Number, 5374, DOI: 10.3390/ma15155374, WOS:000839164100001, Q1, (IF=3.748/2021)

Ris 2. Ana-Maria Manea-Saghin, Gratiela Teodora Tihan, **Roxana Gabriela Zgarian***, Carla-Cezarina Pădurețu, François Kajzar, *Linear and non-linear optical properties of gelatin membranes doped with photoresponsive berries*

extracts, **Optical Materials** **108** Article number **110429**, **2020** Q2 10.1016/j.optmat.2020.110429, WOS 00058729090002, FI=3.754

Ris 3. Simona Caprarescu, **Roxana Gabriela Zgârian**, Gratiela Teodora Tihan*, Violeta Purcar, Eugenia Eftimie Totu, Cristina Modrogan, Anita-Laura Chiriac, Cristian Andi Nicolae, *Biopolymeric Membrane Enriched with Chitosan and Silver for Metallic Ions Removal*, **Polymers** **2020**, **12**, 1792; doi:10.3390/polym12081792, Q1, WOS: 000567278500001, (FI=4.967)

Ris 4. Daniel-Cristian Ioan, Ileana Rau, Madalina Georgiana Albu Kaya, Nicoleta Radu, Marinela Bostan, **Roxana Gabriela Zgârian**, Gratiela Teodora Tihan, Cristina-Elena Dinu-Pîrvu, Alina Lupuliasa and Mihaela Violeta Ghica, *Ciprofloxacin-Collagen-Based Materials with Potential Oral Surgical Applications*, **Polymers**, **2020**, **12**, 1915; doi:10.3390/polym12091915, Q1, WOS:000582022800001, (FI=4.967)

Ris 5. G. T. Tihan, M. Mindroiu, I. Rau, L. M. Nóbrega de Assis, A. Pawlicka^b, **R. G. Zgarian***, The electrochromic device performance with DNA based electrolyte, **Materials Chemistry and Physics**, Volume 241, **2020**, 122349, <https://doi.org/10.1016/j.matchemphys.2019.122349>, Q2, FI = 4.778, ISSN 0254-0584, WOS: 000514749500029

Ris 6. G. T. Tihan, I. Rău¹, **R. G. Zgârian***, C. Ungureanu*, R. C. Barbaresso, M. G. Albu Kaya, C. Dinu-Pîrvu, M. V. Ghica, *Oxytetracycline versus Doxycycline Collagen Sponges Designed as Potential Carrier Supports in Biomedical Applications*, **Pharmaceutics**, **363**, **11**(8), ISSN:1999-4923, pp. 1-20, **2019**, (FI=6.525), DOI: 10.3390/pharmaceutics11080363, Q1 WOS:000484515100040

Ris 7. Ioan D.C. Rau I., Tihan G.T., **Zgarian R.G.***, Ghica M.V., Kaya M.G.A., Dinu-Pîrvu, E.C., *Piroxicam-Collagen-Based Sponges for Medical Applications*, **International Journal Of Polymer Science**, Article Number: 6062381, ISSN: 1687-9422 **2019**, (FI= 2.973) (WOS:000471019400001), DOI: 10.1155/2019/6062381, (ISI WEB of Knowledge) Q2

Ris 8. Tihan G.T., **Zgarian R.G.***, Berteanu E., Ionita D., Totea G., Iordachel C., Tatia R., Prodana M., Demetrescu I., *Alkaline Phosphatase Immobilization on New Chitosan Membranes with Mg²⁺ for Biomedical Applications*, **Marine Drugs** **16** (8), article number 287, ISSN: 1660-3397 2018, (FI=6.085) (WOS: 000442868200014). (ISI WEB of Knowledge) Q1

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Ris 10. Tihan G.T., Sereanu V., Meghea A., Voicu G., Albu M.G., Mitran V., Cimpean A., **Zgârian R.G.***, *Innovative methodology for developing a bone grafting composite biomaterial starting from the seashell of Rapana thomasiana*, **Comptes Rendus - Chimie**, **Q2**, **20**, ISSN: 1631-0748, pp. **440-445**, **2017**, (FI=2.55) (WOS:000400656200014). (ISI Web of Knowledge, SCOPUS)

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Ris 12. Iacob F., Tihan G., **Zgârian R.***, Pauliuc M., Pîrvu C., Rau I., *Preliminary studies concerning some natural extracts influence on the dentine*, **Molecular Crystal & Liquid Crystal**, **628:1**, ISSN:1542-1406628:1, pp. 110-114, **2016**, (FI=0.672) (WOS: 000378126400014), (ISI Web of Knowledge, SCOPUS, scholar.google.ro)

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- Ris 16.** Florea N. M., Lungu A., Badica P., Craciun L., Enculescu M., Ghita D. G., Ionescu C., **Zgârian R. G.**, Iovu H., *Novel nanocomposites based on epoxy resin/epoxy-functionalized polydimethylsiloxane reinforced with POSS*, **Composites Part B - Engineering** 75, ISSN: 1359-8368, pp. 226-234, **2015**, (FI=11.322), (WOS:000353426500022), (ISI Web of Knowledge, SCOPUS, ScienceDirect)
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Semnatura:

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