

Lista lucrari – Calin (cas. Mihalache) Gabriela

1. Anca Niculina Cadinoiu, Delia Mihaela Rata, Leonard Ionut Atanase, Daniela Luminita Ichim, Daniela Gherghel, Iustina Petra Condriuc, Cosmin Teodor Mihai, Marcel Popa, Christine Jerome, Gabriela Calin (Mihalache), *Physicochemical characterization and in vitro evaluation of peptide-functionalized microspheres based on carboxymethyl chitosan and poly(vinyl alcohol) as promising pulmonary drug delivery system*, Applied Materials Today, volum 44, 2025, 102778. FI=6,9, **ULTIM AUTOR**
DOI: 10.1016/j.apmt.2025.102778
WOS: 001495260500003
<https://doi.org/10.1016/j.apmt.2025.102778>
2. El Aalaoui, M, Rammali, S, Kamal, FZ , Calin, G, Rarinca, V , Hritcu, LD , Ciobica, A , Sbaghi, M, Effectiveness of the entomopathogenic fungus *Alternaria murispora* and the predatory ladybird *Harmonia convergens* in controlling *Phenacoccus solenopsis* (Tinsley), *Frontiers in Sustainable Food Systems*, volum 8, 2025, FI=3,1, **AUTOR CORESPONDENT**
DOI: 10.3389/fsufs.2024.1469247,
WOS: 001414092000001,
<https://www.frontiersin.org/journals/sustainable-food-systems/articles/10.3389/fsufs.2024.1469247/full>
3. Zarar Ahmed, Tehmoor Ellahi, Alin Ciobica, **Gabriela Calin**, Vasile Burlui, Hajira Haroon, *Batch Optimization of Various Variables for Wastewater Treatment and Bioelectricity Generation Using Dual Chambered Microbial Fuel Cell*, *International Journal Of Energy Research*, 2025, 1, FI=4,2, **AUTOR CORESPONDENT**
DOI: 10.1155/er/4843392
WOS: 001409136700001
<https://doi.org/10.1155/er/4843392>
4. Elena Costescu, Oana Păduraru, **Gabriela Călin**, Mihaiela Camelia Țabrean (Partene), Călin Ștefan Păduraru, *Non-invasive rehabilitation in Morbus Ledderhose disease*,

methods, techniques, efficiency, Balneo and PRM Research Journal 2024, 15, 4, FI=1,1,

AUTOR CORESPONDENT

DOI: 10.12680/balneo.2024.743

WOS: 001399949600008

<https://bioclima.ro/Balneo743.pdf>

5. Elena Costescu , **Gabriela Calin**, Vlad Țîrlea, Mihaiela Camelia Țabrean , *Non-invasive Physiotherapeutic Approaches in Biliary Dyskinesia*, Balneo and PRM Research Journal 2024, 15, 4, FI=1,1 **AUTOR CORESPONDENT**

DOI: 10.12680/balneo.2024.749

WOS: 001399949600006

<https://bioclima.ro/Balneo749.pdf>

6. Foyet Harquin Simplicie, Jorelle Linda Damo Kamda, Nyayi Simon Desire Guedang, Alin Ciobica, Fatima Zahra Kamal, Guillaume Woumitna Camdi, Parfait Bouvourne, Roland Rebe Nouma, Lea Blondelle Kenko Djoumessie, Bogdan Novac, **Gabriela Calin**, Alin Iordache, Cătălina Ionescu, Balbine Kamleu Nkwingwa, *Anticholinesterase, Antioxidative and Neuroprotective Effects of Hydroethanolic Extracts of Guiera Senegalensis J. F. Gmel. Leaves on Scopolamine Induced Alzheimer's Disease in Wistar Rat Models*, Jundishapur Journal of Natural Pharmaceutical Products, Volume 19, Issue 4, FI=1,2, Q4 **AUTOR CORESPONDENT**

DOI: 10.5812/jjnpp-147530

WOS:001368017500004

<https://doi.org/10.5812/jjnpp-147530>

7. Mohamed El Aalaoui, Said RammaliSaid Rammali, Fatima Zahra Kamal, Fatima Zahra Kamal, Radu LefterRadu Lefter, **Gabriela Calin**, Vasile BurluiVasile Burlui, Alin Ciobic, PetroaieAntoneta Dacia, Otilia Novac, Bogdan, Mohamed Sbaghi, *Biocontrol of Phenacoccus solenopsis Tinsley using entomopathogenic fungi and bacteria*, Frontiers In Sustainable Food Systems, 07 October 2024, Sec. Agro-Food Safety, Volume 8 – 2024, FI=3,1, Q2, **AUTOR CORESPONDENT**

DOI: 10.3389/fsufs.2024.1444917

WOS: 001337982000001

<https://doi.org/10.3389/fsufs.2024.1444917>

8. Radu Mircea Sireteanu-Cucui, Alina Stefanache, Clara Haddad, Laura Ecaterina Romila, **Gabriela Calin**, Dana Mihai, Gabriela Turcu, Pogăcian Maier Alexandra Camelia, *Comparative analysis of dental cements from inorganic materials*, Romanian Journal of Oral Rehabilitation Vol. 16, No.3 July-September 2024, pp. 398-406. FI=1,1, Q3 **Autor principal –contributii egale cu primul autor**,
DOI : 10.6261/RJOR.2024.3.16.41
WOS: 001359228700039
<https://rjor.ro/wp-content/uploads/2024/09/COMPARATIVE-ANALYSIS-OF-DENTAL-CEMENTS-FROM-INORGANIC-MATERIALS.pdf>
9. Giuvara Constantin Răzvan, Victor Vlad Costan, Otilia Boisteanu, Adina Armencia, Mihai Ciofu, Carina Balcos, **Gabriela Calin**, Diana Bulgaru Iliescu, Loredana Liliana Hurjui, *Traumatic Dental Injuries among Adolescents and Young Adults in Iași, Romania: Legal and Medical Perspectives*, Dent. J. 2024, 12(9), 282; FI=3,1, Q2, - **AUTOR CORESPONDENT**
DOI: 10.3390/dj12090282
WOS: 001323827300001
<https://doi.org/10.3390/dj12090282>
10. Constantin Răzvan Giuvara, Victor Vlad Costan, Otilia Boisteanu, Adina Armencia, Mihai Ciofu, Eduard Radu Cernei, Carina Balcos, Bulgaru Iliescu, **Gabriela Calin**, Loredana Liliana Hurjui, *An Observational Study on the Management of Medico-Legal Maxillofacial Trauma Cases by General Practitioners*, Healthcare 2024, 12(18), 1803; FI=2,7, Q2 - **AUTOR CORESPONDENT**
DOI: 10.3390/healthcare12181803
WOS: 001323478100001
<https://doi.org/10.3390/healthcare12181803>
11. **Gabriela Călin**, Elena Costescu, Daniela Liliana Damir, Cozmin Mihai, Carmen Grierosu, Tudor Ciuhodaru, *Pluridisciplinary approaches in global postural*

rehabilitation, Balneo and PRM Research Journal 2024, 15, 2 FI=1,1 – **PRIMUL
AUTOR**

DOI: 10.12680/balneo.2024.711

WOS:001268347000005

<https://doi.org/10.12680/balneo.2024.711>

12. Elena Costescu, Tudor Ciuhodaru, **Gabriela Calin**, Cozmin Mihai, Carmen Grierosu, Daniela Liliana Damir, *Non-invasive neuromodulatory therapies applied in trigeminal neuralgia*, Balneo and PRM Research Journal 2024, 15, 2 , FI=1,1 - **AUTOR
CORESPONDENT**

DOI: 10.12680/balneo.2024.705

WOS: 001268347000033

<https://doi.org/10.12680/balneo.2024.705>

13. Madalina Duceac (Covrig), Cristian Gutu, Lucian Eva, Marius Gabriel Dabija, **Gabriela Calin**, Letitia Doina Duceac, Corina Ciupilan, Doina Carina Voinesc, *Retrospective study of lumbar disc herniation in a hospital in North-Eastern Romania*, Balneo and PRM Research Journal, 2024, 15(1), FI=1,1 - **AUTOR CORESPONDENT**

DOI: 10.12680/balneo.2024.666

WOS: 001243689500015

<https://bioclima.ro/Balneo666.pdf>

14. Kazis, D., Chatzikonstantinou, S., Ciobica, A., Kamal, FZ, Burlui V., **Calin, G.**, Mavroudis, I., *Epidemiology, Risk Factors, and Biomarkers of Post-Traumatic Epilepsy: A Comprehensive Overview*, Biomedicines, 2024, 12(2), 410, FI=3,9 - **AUTOR
CORESPONDENT**

DOI: 10.3390/biomedicines12020410

WOS:001172418400001

<https://doi.org/10.3390/biomedicines12020410>

15. [Mihai Cozmin](#), Ionut Iulian Lungu, Cristian Gutu, Alin Stefanache, Letitia Doina Duceac, Bogdan Dorin soltuzu, Daniela Damir, **Gabriela Calin**, Elenea Roxana Bogdan Goroftei, Carmen Grierosu, Monica Boev, *Turmeric: from spice to cure. A review of the*

anti-cancer, radioprotective and anti-inflammatory effects of turmeric sourced compounds *Frontiers in Nutrition*, vol. 11, 2024., FI=5,1- (**autor principal – toti autorii au contributii egale cu primul autor**) Q1

DOI10.3389/fnut.2024.1399888

WOS:001242884800001

<https://www.frontiersin.org/articles/10.3389/fnut.2024.1399888/full>

16. Elena Costescu, **Gabriela Calin**, Cozmin Mihai, Norin Forna, Tudor Ciuhodaru, *Multidisciplinary approach of causal imbalances ocular-posture rehabilitation*, *Romanian Journal of Oral Rehabilitation* 2024, Vol. 16, No.3 July-September 2024, FI = 1,1 - **AUTOR CORESPONDENT**

DOI : 10.6261/RJOR.2024.3.16.39

WOS: 001359228700037

<https://rjor.ro/wp-content/uploads/2024/09/MULTIDISCIPLINARY-APPROACH-OF-CAUSAL-IMBALANCES-OCULAZAL-POSTURE-REHABILITATION.pdf>

17. Alina Stefanache, Cozmin Mihai, Ionut Iulian Lungu, **Gabriela Calin**, Cristian Mihalache, Deleu Grigorii, Budirincea Maria Alexandra, Catalina Girbia, Oana Cucoveica, Carmen Stadoleanu, Carmen Grierosu, *Evolution and applications of radiopharmaceuticals in nuclear dentistry: a comprehensive overview*, *Romanian Journal of Oral Rehabilitation*, 2024, Vol. 15, No.1 FI=1,1 **AUTOR CORESPONDENT**

DOI : 10.6261/RJOR.2024.1.16.61

WOS:001212387500052

<https://rjor.ro/wp-content/uploads/2024/04/EVOLUTION-AND-APPLICATIONS-OF-RADIOPHARMACEUTICALS-IN-NUCLEAR-DENTISTRY-A-COMPREHENSIVE-OVERVIEW.pdf>

18. Carmen Grierosu, Cozmin Mihai, Ionut Iulian Lungu, **Gabriela Calin**, Alina Stefanache, Mihaela Papusa Vasiliu, Gabriela Liliana Halițchi, Daniela Ivona Tomița, Diana Mihaela Gheban, Codrin Paul Fuiuoga, Carmen Stadoleanu, *Stress-induced variability in local anesthesia response: exploring implications for dental anesthetic management*, *Romanian Journal of Oral Rehabilitation*, 2024, Vol. 15, 16 (1) , pp.608-617, FI=1,1 - **AUTOR CORESPONDENT**

DOI : 10.6261/RJOR.2024.1.16.59

WOS:001212387500050

<https://rjor.ro/wp-content/uploads/2024/04/STRESS-INDUCED-VARIABILITY-IN-LOCAL-ANESTHESIA-RESPONSE-EXPLORING-IMPLICATIONS-FOR-DENTAL-ANESTHETIC-MANAGEMENT.pdf>

19. Cosimo Caltabellotta, Carmen Stadoleanu, **Gabriela Calin**, Ionut Iulian Lungu, Alexandru Armenia, Mihaela Vasiliu, Diana Gheban, Catalina Girbea, Constanta Mocanu, Alina Stefanache, Cozmin Mihai, Carmen Grierosu, *Noble metal cements: balancing advantages and considerations in dentistry*, Romanian Journal of Oral Rehabilitation, 2024, 16 (1), pp.177-187, FI=1,1 - **AUTOR CORESPONDENT**

DOI : 10.6261/RJOR.2024.1.16.15

WOS:001212387500014

<https://rjor.ro/wp-content/uploads/2024/04/NOBLE-METAL-CEMENTS-BALANCING-ADVANTAGES-AND-CONSIDERATIONS-IN-DENTISTRY.pdf>

20. Alina Ștefanache, Ionuț-Iulian Lungu, Ioan- Adrian Butnariu, **Gabriela Călin**, Cristian Guțu, Constantin Marcu, Carmen Grierosu, Elena Roxana Bogdan Goroftei, Letiția Doina Duceac, Marius Gabriel Dabija, Florina Popa, Daniela Damir: *Understanding How Minerals Contribute to Optimal Immune Function*, Journal of Immunology Research, vol.2023, pp.1-26, IF (2023)=3,5 **AUTOR CORESPONDENT Q2**

https://www.hindawi.com/journals/jir/2023/3355733/?utm_medium=author&utm_source=Hindawi

DOI: 10.1155/2023/3355733

MEDLINE:37946846

21. Carmen Grierosu, **Calin Gabriela**, Daniela Damir, Constantin Marcu, Radu Cernei, Georgeta Zegan , Daniela Anistoroaei, Mihaela Moscu , Elena Mihaela Carausu , Letitia Doina Duceac Marius Gabriela Dabija , Geta Mitrea Cristian Gutu , Elena Roxana Bogdan Goroftei, Lucian Eva, *Development and Functionalization of a Novel Chitosan-Based Nanosystem for Enhanced Drug Delivery*, Journal of Functional Biomaterials, Journal of Functional Biomaterials (MDPI), vol.4, nr.11 2023, FI=5 **AUTOR CORESPONDENT (3)**

DOI: 10.3390/jfb14110538

WOS:001121030200001

<https://www.mdpi.com/2079-4983/14/11/538>

22. Stefanache, A; Lungu, II; Cernei, R ; Popescu, OD; Fuiuaga, CP ; Grigorii, D ; Garbea, C; Nazarie,S ; Tomita, DI ; Mihalache, C ; Cucoveica, O ; **Gabriela, C**, *Zinc - based dental cements: properties, applications, and advancements*, Romanian Journal of oral Rehabilitation, vol. 15, nr.3, pp354-364, 2023, FI=0,6 – **ULTIM AUTOR Q3 (2 citări)**

<https://rjor.ro/wp-content/uploads/2023/10/ZINC-BASED-DENTAL-CEMENTS-PROPERTIES-APPLICATIONS-AND-ADVANCEMENTS.pdf>

WOS:001083914900035

23. Forna, N., Damir, **G., CALIN**, D., Duceac, L.D., Mitrea, G., Marcu, C., *Nano-Architectonics of Antibiotic-Loaded Polymer Particles as Vehicles for Active Molecules*, Applied Sciences (Switzerland), 2022, 12(4), 1998, FI=2,7 **AUTOR**

CORRESPONDENT

www.mdpi.com/2076-3417/12/4,doi:10.3390/app12041998

<http://www.mdpi.com/2076-3417/12/4/1998>

DOI 10.3390/app12041998

WOS:000778839200001

24. Olaru, M., Sachelarie, L., **Calin Gabriela**, *Hard dental tissues regeneration—Approaches and challenges*, Materials, 2021, 14(10). FI=3,748 – **ULTIM AUTOR**

<https://doi.org/10.3390/ma14102558>

DOI 10.3390/ma14102558

WOS:000662651100001

25. **G. Calin**, L. Sachelarie, N. Olaru, *Influence of synthesis conditions on the chemical structure and composition of ZnO nanoparticles composite systems / polymer fibers*, Archives of Metallurgy and Materials has been finally Volume 67 Issue 2 Page 601-606, 2021 FI=0,633 – **PRIMUL AUTOR**

<https://journals.pan.pl/dlibra/publication/137796/edition/123287/content/archives-of-metallurgy-and-materials-2022-vol-67-no-2-influence-of-synthesis-conditions-on-the>

[chemical-structure-and-composition-of-zno-nanoparticles-composite-systems-polymer-fibers-br-calin-g-orcid-0000-0002-1893-5109-sachelarie-l-orcid-0000-0001-7701-2307-olaru-n-orcid-0000-0002-7081-9199?language=en](https://doi.org/10.24425/amm.2022.137796)

DOI 10.24425/amm.2022.137796

WOS:000813491700003

26. Letiția Doina Duceac, **Gabriela Calin**, Lucian Eva, Constantin Marcu, Elena Roxana Bogdan Goroftei, Marius Gabriel Dabija, Geta Mitrea, Alina Costina Luca, Elena Hanganu, Cristian Guțu, Liviu Stafie, Elena Ariela Banu, Carmen Grierosu and Alin Constantin Iordache: *Third Generation Cephalosporin Loaded Chitosan Used to Limit Microorganisms Resistance*, Materials 2020, 13(21), 4792; ISSN: 1996-1944, IF(2020): 3,623 - **AUTOR CORESPONDENT**

<https://www.mdpi.com/1996-1944/13/21/4792>

DOI: 10.3390/ma13214792

WOS: 000589307800001

27. **G. Calin**, G. Mitrea, C. Marcu, A. Burlui, R. Trusca, E Vasile, F. Iacomi, *Synthesis and structural characterization of cobalt nanostructures in AAO membranes*, Revista de chimie, **70**(9), 2019, p. 3444. (FI=1,755) - **PRIMUL AUTOR**

<https://doi.org/10.37358/RC.19.9.7568>

WOS:000489958900074

28. M. Glod, D. Damir, S. Nichitus, **G. Calin**, L. D. Duceac, D. L. Gorgan, S. Tascu, M. I. Ciuhodaru, *ZnO and TiO2 Nanoparticles Genotoxicity According to their Structural and Morphological Characteristics Used for Medical Purposes*, Revista de chimie, **69**(3), 2018, (FI=1.605) - **AUTOR CORESPONDENT**

<https://doi.org/10.37358/RC.18.3.6159>

WOS:000430946500016

29. L. D. Duceac, C. E. Dobre, I. Pavaleanu, **G. Calin**, S. Nichitus, D. Damir, *Diseases prevention by water defluoridation using hydrotalcites as decontaminant materials*, Revista de Chimie, 168-171, 68(1), pp. 168-171, (2017) (FI=1,412), — **AUTOR CORESPONDENT**

<http://www.revistadechimie.ro/archive.asp>

WOS:000395499200036

30. Duceac (Covrig) Mădălina, Guțu Cristian, Pleșea-Condratovici Alina, Duceac Letiția Doina, Eva Lucian, Dabija Marius Gabriel, Elkan, Eva-Maria, Miftode Alina Monica, Stefanache Alina, Dabija Vlad-Andrei, **Gabriela Calin**, Doina Carina Voinescu, *A Retrospective Study of Lumbar Disk Herniation: An Analysis of Clinical Cases and Treatment Plans*, Journal of Clinical Medicine 2025, **14**(11), 3952; FI=2.9

10.3390/jcm14113952

<https://doi.org/10.3390/jcm14113952>

WOS:001505651400001

31. Marius Gabriel Dabija, Iulia Olaru, Tudor Ciuhodaru, Alina Stefanache, Cozmin Mihai, Ionut Iulian Lungu, **Gabriela Calin**, Carmen Stadoleanu, Daniela Liliana Damir, *Chitosan as a Plurivalent Biopolymer in Nanodelivery Systems*, Polymers 2025, **17**(5), 558. FI=4,9 CO-AUTOR

DOI: 10.3390/polym17050558

WOS: 001442717300001

<https://doi.org/10.3390/polym17050558>

32. Said Rammali, Abderrazak Idir, Marouane Aherkou, Alin Ciobică, Fatima Zahra Kamal, Mohamed El Aalaoui, Abdellatif Rahim, Abdelkrim khattabi, Ziad Abdelmajid, Abderrahim Aasfar, Vasile Burlui, **Gabriela Calin**, Ioannis Mavroudis & Bouchaib Bencharki, *In vitro and computational investigation of antioxidant and anticancer properties of Streptomyces coeruleofuscus SCJ extract on MDA-MB-468 triple-negative breast cancer cells*, Scientific Reports volum 14 (1), 2024. FI=3.9. CO-AUTOR

DOI: 10.1038/s41598-024-76200-8

WOS: 001342116100127

<https://www.nature.com/articles/s41598-024-76200-8>

33. Iulia Olaru, Alina Stefanache, Cristian Gutu, Ionut Iulian Lungu, Cozmin Mihai, Carmen Grierosu, **Gabriela Calin**, Constantin Marcu, Tudor Ciuhodaru, *Combating Bacterial Resistance by Polymers and Antibiotic Composites*, Polymers 2024, **16**(23), 3247; FI=4,9

CO-AUTOR

<https://doi.org/10.3390/polym16233247>

DOI: 10.3390/polym16233247

WOS:001376164300001

34. Rață, D.M., Cadinoiu, A.N., Atanase, L.I., **Calin, G.**, Popa, M., *Design and characterization of dexamethasone phosphate -loaded microcapsules obtained by a double-emulsion method*, International Journal of Pharmaceutics, 2023, 639, 122971 – CO-AUTOR

<https://doi.org/10.1016/j.ijpharm.2023.122971>

35. Marc, F., Moldovan, C.M., Hoza, A., **Calin, G.**, Damir, D., Naum, A.G., *Comparative Study of Cytokine Storm Treatment in Patients with COVID-19 Pneumonia Using Immunomodulators*, Journal of Clinical Medicine, 2022, 11(10), 2945, – CO-AUTOR

DOI: 10.3390/jcm11102945

WOS: 000802512900001

<https://doi.org/10.3390/jcm11102945>

36. D. Ichim, L. Sachelarie, **G. Calin**, A. Burlui, *Are Saliva Tests Important in the Prediction of Carious Disease?*, Appl. Sci. 2021, 11, 5932. – CO-AUTOR

<https://doi.org/10.3390/app11135932>

DOI 10.3390/app11135932

WOS:000672368000001

37. Liana Alupeii, Gabriela Lisa, Andreea Butnariu, Jacques Desbrieres, Anca Niculina Cadinoiu, Catalina Anisoara Peptu, **Gabriela Calin**, Marcel Popa, *New folic acid-chitosan derivatives based nanoparticles –Potential applications in cancer therapy*, Cellulose Chemistry and Technology, **51**(7-8), p. 631-648, 2017. FI=0,764 -CO-AUTOR

<http://www.cellulosechemtechnol.ro/firstonline.php>

WOS:000413720100005

18.09.2025

Conf. Univ. Dr. GABRIELA CALIN (CAS. MIHALACHE)