

Universitatea Tehnică din Cluj-Napoca  
Facultatea de Ingineria Materialelor și a Mediului  
Departamentul Fizică și Chimie  
Ș.L. Dr. Chim. Liviu Călin Bolunduț

## LISTA lucrărilor științifice în domeniul disciplinelor din postul didactic

### 10 lucrări reprezentative:

1. P. Pascuta, L. Pop, R. Stefan, L. Olar, G. Borodi, **L. C. Bolundut**, E. Culea, *The impact of Ag and Cu nanoparticles on optical and magnetic properties of new Tb<sub>2</sub>O<sub>3</sub>-PbO-TeO<sub>2</sub> glass ceramic system*, *Journal of Alloys and Compounds*, **2019**, 799, 442-449.  
<https://www.sciencedirect.com/science/article/pii/S0925838819320043>
2. **L. Bolundut**, L. Pop, M. Bosca, N. Tothazan, G. Borodi, E. Culea, P. Pascuta, R. Stefan, *Structural, spectroscopic and magnetic properties of Nd<sup>3+</sup> doped lead tellurite glass ceramics containing silver*, *Journal of Alloys and Compounds*, **2017**, 692, 934.  
<http://www.sciencedirect.com/science/article/pii/S0925838816328377>
3. Taulescu, C. A., Taulescu, M., Suciu, M., **Bolundut, L. C.**, Pascuta, P., Toma, C., Urda-Cimpean, A., Dreanca, A., Senila, M., Cadar, O., Stefan, R., *A novel therapeutic phosphate-based glass improves full-thickness wound healing in a rat model*, *Biotechnology Journal*, **2021**, 16(9), e2100031.  
<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/fullrecord/WOS:000675326300001>
4. L. Pop, **L. Bolundut**, P. Pascuta, E. Culea, *Influence of Er<sup>3+</sup> ions addition on thermal and optical properties of phosphate-germanate system*, *Journal of Thermal Analysis and Calorimetry*, **2019**, 138 (3), 1895-1899.  
<https://link.springer.com/article/10.1007/s10973-019-08145-4>
5. **L. Bolundut**, L. Pop, M. Bosca, G. Borodi, L. Olar, R. C. Suciu, P. Pascuta, E. Culea, R. Stefan, *Structural and spectroscopic properties of some neodymium-boro-germanate glasses and glass ceramics embedded with silver nanoparticles*, *Ceramics International*, **2017**, 43, 12232.  
<http://www.sciencedirect.com/science/article/pii/S0272884217313007>
6. M. Bosca, L. Pop, **L. Bolundut**, N. Tothazan, G. Borodi, I. Vida-Simiti, R. Stefan, A. Popa, E. Culea, P. Pascuta, *Effects of Gd<sup>3+</sup>: Ag co-doping on structural and magnetic properties of lead tellurite glass ceramics*, *Ceramics International*, **2016**, 42, 1169.  
[http://www.sciencedirect.com/science?\\_ob=ArticleListURL&method=list&ArticleListID=936173004&sort=r&st=13&view=c&md5=1f7d844636caec519c026ffcc1a41f8c&searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleListURL&method=list&ArticleListID=936173004&sort=r&st=13&view=c&md5=1f7d844636caec519c026ffcc1a41f8c&searchtype=a)
7. **L. Bolundut**, E. Culea, G. Borodi, R. Stefan, C. Munteanu, P. Pascuta, *Influence of Sm<sup>3+</sup>:Ag codoping on structural and spectroscopic properties of lead tellurite glass ceramics*, *Ceramics International*, **2015**, 41, 2931.  
[http://www.sciencedirect.com/science?\\_ob=ArticleListURL&method=list&ArticleListID=936173004&sort=r&st=13&view=c&md5=1f7d844636caec519c026ffcc1a41f8c&searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleListURL&method=list&ArticleListID=936173004&sort=r&st=13&view=c&md5=1f7d844636caec519c026ffcc1a41f8c&searchtype=a)
8. **L. Bolundut**, P. Pascuta, E. Culea, M. Bosca, L. Pop, R. Stefan, *Spectroscopic study of some new cobalt-doped tellurite glass ceramics*, *Journal of Materials Science* **2020**, 55 (23), 9962-9971.

[https://apps-whoofknowledge-com.am.e-nformation.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=F2ETfR5NrQsgYukGYEt&page=1&doc=1](https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F2ETfR5NrQsgYukGYEt&page=1&doc=1)

9. Pascuta, P., Stefan, R., Olar, L. E., **Bolunduț, L. C.**, Culea, E., *Effects of Copper Metallic Nanoparticles on Structural and Optical Properties of Antimony Phosphate Glasses Co-Doped with Samarium Ions*, *Materials* **2020**, 13(21), 5040.  
<https://www-whoofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000589679400001>
10. **Liviu Bolunduț**, Ionel Haiduc, Elena Ilyes, Gabriele Kociok-Köhn, Kieran C. Molloy, Santiago Gómez-Ruiz, *Hydrogen bond supramolecular self-assembly in nickel(II) dithiophosphates, Ni[S<sub>2</sub>P(OR)<sub>2</sub>]<sub>2</sub>, R = sec-Bu, iso-Bu, and their bis(pyrazole) adducts*, *Inorg. Chim. Acta*, **2010**, 363, 4319.  
[http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6TG5-50K5T2B-1&\\_user=10&\\_coverDate=07%2F20%2F2010&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_origin=search&\\_sort=d&\\_docanchor=&\\_view=c&\\_searchStrId=1474234502&\\_rerunOrigin=google&\\_acct=C000050221&\\_version=1&\\_urlVersion=0&\\_userid=10&md5=0e20e99495e40ab64bb04076f906233d&searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TG5-50K5T2B-1&_user=10&_coverDate=07%2F20%2F2010&_rdoc=1&_fmt=high&_orig=search&_origin=search&_sort=d&_docanchor=&_view=c&_searchStrId=1474234502&_rerunOrigin=google&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=0e20e99495e40ab64bb04076f906233d&searchtype=a)

## A – Teza de doctorat

„Contribuții la chimia coordinativă a liganzilor organo-fosforici”, Conducător Științific : Academician Profesor doctor Ionel Haiduc.

Universitatea Babeș Bolyai, Facultatea de Chimie și Inginerie Chimică Cluj-Napoca

Susținere publică: **Teza s-a susținut în data de 01.07.2011.**

## B – Cărți și capitole în cărți publicate:

### **CĂRȚI**

1. Șerban Paul Agachi, Mircea Dan Bocșan, Cosmin Flavius Costăș, Simion Simon, Ana Maria Cormoș, Ionel Haiduc, Daniel David, Camelia Moraru, Livia Popescu, Aurora Bencic, Romana Emilia Cramarencp, Gabriela-Iudita Crișan, Nicolae Marina, Carmen Loredana Pop, Augusta Sabău, Robert Balazsi, Zsolt Szentgyorgy, **Liviu Călin Bolunduț**, Răzvan Florian, Cătălin-Ionel Popescu, *Sistemul Național de Cercetare, Dezvoltare și Inovare în contextul integrării în Aria Europeană a Cercetării*, Ed. “Academiei Române”, București, **2006**. ISBN (10) 973-27-1481-6 ; ISBN (13) 978-973-27-1481-2  
[http://www.acad.ro/carti2006/CDI-autori\\_cuprins.pdf](http://www.acad.ro/carti2006/CDI-autori_cuprins.pdf)
2. **Liviu Călin Bolunduț**, Lorentz Jantschi, Sorana D. Bolboacă, *Activități de laborator de chimie generală*, ACADEMICDIRECT **2015**, (varianta electronică) ISBN: 978-606-93534-2-4  
<http://ph.academicdirect.org/>
3. Elena Maria Pică, **Liviu Călin Bolunduț**, *Experimente și Principii în Chimie*, U.T.Press **2010**, ISBN: 978-973-662-572-5  
<http://www.biblio.utcluj.ro/Detaliit.asp?titlu=33966>
4. Amalia Mesaroș, **Liviu Bolunduț**, Mihaela Ligia Ungureșan, *Chimia prin experimente*, Galaxia Goutemberg, **2010**, ISBN: 978-973-141-228-3  
<http://www.biblio.utcluj.ro/Detaliit.asp?titlu=32048>
5. **Liviu Bolunduț**, Amalia Mesaroș, Mihaela Ligia Ungureșan, *Electrochimia prin experimente*, Galaxia Goutemberg, **2009**, ISBN: 978-973-141-183-5  
<http://www.biblio.utcluj.ro/Detaliit.asp?titlu=28568>

6. Horea Iustin Nașcu, Violeta Popescu, **Liviu Bolunduț**, *Chimie. Caiet de lucrări practice*, U.T.Press **2008**, ISBN: 978-973-662-390-6 .  
<http://www.biblio.utcluj.ro/DetaIiit.asp?titlu=26550>

## C – Lucrări indexate ISI/BDI publicate:

### **C1) Articole / studii publicate în reviste de specialitate de circulație internațională recunoscute (cotate ISI)**

1. Taulescu, C. A., Taulescu, M., Suciu, M., **Bolundut, L. C.**, Pascuta, P., Toma, C., Urda-Cimpean, A., Dreanca, A., Senila, M., Cadar, O., Stefan, R., *A novel therapeutic phosphate-based glass improves full-thickness wound healing in a rat model*, *Biotechnology Journal*, **2021**, 16(9), e2100031.  
<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000675326300001>
2. Pascuta, P., Stefan, R., Olar, L. E., **Bolundut, L. C.**, Culea, E., *Effects of Copper Metallic Nanoparticles on Structural and Optical Properties of Antimony Phosphate Glasses Co-Doped with Samarium Ions*, *Materials* **2020**, 13(21), 5040.  
<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000589679400001>
3. **L. Bolundut**, P. Pascuta, E. Culea, M. Bosca, L. Pop, R. Stefan, *Spectroscopic study of some new cobalt-doped tellurite glass ceramics*, *Journal of Materials Science* **2020**, 55 (23), 9962-9971.  
[https://apps-webofknowledge-com.am.e-nformation.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=F2ETfR5NrQSgYukGYEt&page=1&doc=1](https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F2ETfR5NrQSgYukGYEt&page=1&doc=1)
4. C. Somesan, **L. Bolundut**, L. Olar, V. Pop, L. David, *The influence of V<sub>2</sub>O<sub>5</sub> on spectroscopic and optical properties of MgO-KPO<sub>3</sub>-glasses, co-doped with Ag<sub>2</sub>O*, *Studia Universitatis Babes-Bolyai Chemia* **2020**, 65 (2), 161-170.  
[https://apps-webofknowledge-com.am.e-nformation.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=F2ETfR5NrQSgYukGYEt&page=1&doc=2](https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F2ETfR5NrQSgYukGYEt&page=1&doc=2)
5. L. Pop, **L. Bolunduț**, P. Pascuta, E. Culea, *Influence of Er<sup>3+</sup> ions addition on thermal and optical properties of phosphate-germanate system*, *Journal of Thermal Analysis and Calorimetry*, **2019**, 138 (3), 1895-1899.  
<https://link.springer.com/article/10.1007/s10973-019-08145-4>
6. P. Pascuta, L. Pop, R. Stefan, L. Olar, G. Borodi, **L. C. Bolundut**, E. Culea, *The impact of Ag and Cu nanoparticles on optical and magnetic properties of new Tb<sub>2</sub>O<sub>3</sub>-PbO-TeO<sub>2</sub> glass ceramic system*, *Journal of Alloys and Compounds*, **2019**, 799, 442-449.  
<https://www.sciencedirect.com/science/article/pii/S0925838819320043>
7. R. Stefan, **L. C. Bolundut**, L. Pop, G. Borodi, E. Culea, P. Pascuta, *Copper nanoparticles enhanced luminescence of Eu<sup>3+</sup> doped lead tellurite glass ceramics*, *Journal of Non-Crystalline Solids*, **2019**, 505, 9-17.  
<https://www.sciencedirect.com/science/article/pii/S0022309318306215>

8. **L. Bolundut**, L. Pop, P. Pascuta, E. Culea, *Characterization of a Novel Zinc Phosphate–Germanate Oxide System Doped with Erbium Ions*, *Analytical Letters*, **2019**, 52 (1), 20-26.  
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2017.1408125>
9. **L. C. Bolundut**, P. Pascuta, V. Pop, R. Stefan, *Characterization of the Structural Properties of Zinc Phosphate Glass Ceramics Doped with Manganese Ions Following Thermal Treatment*, *Analytical Letters*, **2019**, 52 (1), 37-44.  
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2017.1420074>
10. R. Stefan, M. Karabulut, A. Popa, E. Culea, **L. Bolundut**, L. Olar, P. Pascuta, *A spectroscopic study of the influence of CuO addition on the ZnO-TeO<sub>2</sub> glass and glass ceramics*, *J. Non-Cryst. Solids*, **2018**, 498, 430.  
[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=F2tbaULQA8wdeIhIgZc&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F2tbaULQA8wdeIhIgZc&page=1&doc=1)
11. G. Borodi, **L.C. Bolundut**, P. Pascuta, *Effect of Erbium(III) Oxide Addition on Thermal Properties and Crystallization Behavior of Some Zinc-Borate Glasses*, *PIM Conference Cluj-România*, **2017**, AIP ISI Proceedeing, vol. 1917, article number:UNSP 040004.  
[http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=F2tbaULQA8wdeIhIgZc&page=1&doc=4](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F2tbaULQA8wdeIhIgZc&page=1&doc=4)
12. **L. Bolundut**, L. Pop, M. Bosca, G. Borodi, L. Olar, R. C. Suci, P. Pascuta, E. Culea, R. Stefan, *Structural and spectroscopic properties of some neodymium-boro-germanate glasses and glass ceramics embedded with silver nanoparticles*, *Ceramics International*, **2017**, 43, 12232.  
<http://www.sciencedirect.com/science/article/pii/S0272884217313007>
13. **L. Bolundut**, L. Pop, M. Bosca, N. Tothazan, G. Borodi, E. Culea, P. Pascuta, R. Stefan, *Structural, spectroscopic and magnetic properties of Nd<sup>3+</sup> doped lead tellurite glass ceramics containing silver*, *Journal of Alloys and Compounds*, **2017**, 692, 934.  
<http://www.sciencedirect.com/science/article/pii/S0925838816328377>
14. **L. C. Bolundut**, V. Pop, *Influence of Thermal Treatment on Structural Properties of Some Zinc-Phosphate Glasses Doped with Iron Ions*, *Studia UBB Chemia*, **2016**, 4, 251.  
[http://chem.ubbcluj.ro/~studiachemia/chemia2016\\_4.html](http://chem.ubbcluj.ro/~studiachemia/chemia2016_4.html)
15. S. Rada, M. L. Unguresan, **L. Bolundut**, M. Rada, H. Vermesan, M. Pica, E. Culea, *Structural and electrochemical investigations of the electrodes obtained, by recycling of lead acid batteries*, *Journal of Electroanalytical Chemistry*, **2016**, 780, 187.  
<http://www.sciencedirect.com/science/article/pii/S1572665716304830>
16. S. Rada, M. Zagrai, M. Rada, E. Culea, **L. Bolundut**, M. L. Unguresan, M. Pica, *Spectroscopic and electrochemical investigations of lead–lead dioxide glasses and vitroceramics with applications for rechargeable lead–acid batterie*, *Ceramics International*, **2016**, 42, 3921.  
[http://www.sciencedirect.com/science?\\_ob=ArticleListURL&\\_method=list&\\_ArticleListID=936173004&\\_sort=r&\\_st=13&view=c&md5=1f7d844636caec519c026ffcc1a41f8c&searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleListURL&_method=list&_ArticleListID=936173004&_sort=r&_st=13&view=c&md5=1f7d844636caec519c026ffcc1a41f8c&searchtype=a)
17. M. Bosca, L. Pop, **L. Bolundut**, N. Tothazan, G. Borodi, I. Vida-Simiti, R. Stefan, A. Popa, E. Culea, P. Pascuta, *Effects of Gd<sup>3+</sup>: Ag co-doping on structural and magnetic properties of lead tellurite glass ceramics*, *Ceramics International*, **2016**, 42, 1169.  
[http://www.sciencedirect.com/science?\\_ob=ArticleListURL&\\_method=list&\\_ArticleListID=936173004&\\_sort=r&\\_st=13&view=c&md5=1f7d844636caec519c026ffcc1a41f8c&searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleListURL&_method=list&_ArticleListID=936173004&_sort=r&_st=13&view=c&md5=1f7d844636caec519c026ffcc1a41f8c&searchtype=a)
18. **L. Bolundut**, E. Culea, G. Borodi, R. Stefan, C. Munteanu, P. Pascuta, *Influence of Sm<sup>3+</sup>:Ag codoping on structural and spectroscopic properties of lead tellurite glass ceramics*, *Ceramics International*, **2015**, 41, 2931.

[http://www.sciencedirect.com/science?\\_ob=ArticleListURL&\\_method=list&\\_ArticleListID=936173004&\\_sort=r&\\_st=13&\\_view=c&\\_md5=1f7d844636caec519c026ffcc1a41f8c&\\_searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleListURL&_method=list&_ArticleListID=936173004&_sort=r&_st=13&_view=c&_md5=1f7d844636caec519c026ffcc1a41f8c&_searchtype=a)

19. M. Zagrai, L. Rus, S. Rada, S. Stan, M. Rada, **L. Bolundut**, M. E. Pica, E. Culea, *Lead metallic-lead dioxide glasses as alternative of immobilization of the radioactive waste*, *J. Non-Cryst. Solids*, **2014**, 405, 129.

[http://www.sciencedirect.com/science?\\_ob=ArticleListURL&\\_method=list&\\_ArticleListID=936173004&\\_sort=r&\\_st=13&\\_view=c&\\_md5=1f7d844636caec519c026ffcc1a41f8c&\\_searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleListURL&_method=list&_ArticleListID=936173004&_sort=r&_st=13&_view=c&_md5=1f7d844636caec519c026ffcc1a41f8c&_searchtype=a)

20. Rada, M., **Bolundut L.**, Pica, M., Zagrai, M., Rada, S., Culea, E. *Mixed ionic-electronic conduction and electrochemical behavior of the lead and molybdenum ions in the lead-molybdate-germanate glasses*, *Journal of Non-Crystalline Solids*, **2013**, 365 (1), 105-111.

[http://www.scopus.com/record/display.url?eid=2-s2.0-84873907602&origin=resultslist&sort=plf-f&src=s&st1=Bolundut&sid=AD7BA4B4EF6724970561E27B242CC7E7.Vdktg6RVtMfaQJ4pN-TCQ%3a20&\\_sot=b&\\_sdt=b&\\_sl=21&\\_s=AUTHOR-NAME%28Bolundut%29&\\_relpos=0&\\_relpos=0&\\_searchTerm=AUTHOR-NAME%28Bolundut%29](http://www.scopus.com/record/display.url?eid=2-s2.0-84873907602&origin=resultslist&sort=plf-f&src=s&st1=Bolundut&sid=AD7BA4B4EF6724970561E27B242CC7E7.Vdktg6RVtMfaQJ4pN-TCQ%3a20&_sot=b&_sdt=b&_sl=21&_s=AUTHOR-NAME%28Bolundut%29&_relpos=0&_relpos=0&_searchTerm=AUTHOR-NAME%28Bolundut%29)

21. Pica E. M., **Bolundut L. C.**, Popister I., Neamtu C. I., Pirau L. C., Duca V., "*Chemical Study of the Carbon Dioxide Influence on Cultural Heritage*" **4th European Conference on Chemistry for Life Sciences (4ECCLS)**, August 31 and September 3, **2011**, Mendimond International Proceedings (**ISI PROCEEDING**), **2011**, pag.79-84.

<http://www.medimond.com/cdrom/N831.pdf>

22. **L. Bolundut**, I. Haiduc, G. Kociok-Köhn, K. C. Molloy, *Supramolecular self-assembly in the lead(II) bis(di-isobutyldithiophosphate) 1,10-phenanthroline adduct, Pb[S<sub>2</sub>P(OBu<sup>i</sup>)<sub>2</sub>]<sub>2</sub>·Phen*, *Revue Roumaine de Chimie*, **2010**, 55, 741.

[http://revroum.getion.ro/wp-content/uploads/2010/RRCh\\_11-12\\_2010/Art%2001.pdf](http://revroum.getion.ro/wp-content/uploads/2010/RRCh_11-12_2010/Art%2001.pdf)

23. S. Pruneanu, F. Pogacean, C. Grosan, E. M. Pica, **L. C. Bolundut**, A. S. Biris, *Electrochemical investigation of atenolol oxidation and detection by using a multicomponent nanostructural assembly of amino acids and gold nanoparticles*, *Chem. Phys. Letters*, **2011**, 504, 56.

[http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6TFN-520TJV9-2&\\_user=3833306&\\_coverDate=02%2F28%2F2011&\\_alid=1696040992&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_origin=search&\\_zone=rslt\\_list\\_item&\\_cdi=5231&\\_sort=r&\\_st=13&\\_docanchor=&\\_view=c&\\_ct=2&\\_acct=C000061485&\\_version=1&\\_urlVersion=0&\\_userid=3833306&\\_md5=e9d4a4be373516370324266f561bcd5f&\\_searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TFN-520TJV9-2&_user=3833306&_coverDate=02%2F28%2F2011&_alid=1696040992&_rdoc=1&_fmt=high&_orig=search&_origin=search&_zone=rslt_list_item&_cdi=5231&_sort=r&_st=13&_docanchor=&_view=c&_ct=2&_acct=C000061485&_version=1&_urlVersion=0&_userid=3833306&_md5=e9d4a4be373516370324266f561bcd5f&_searchtype=a)

24. D. Vlascici, S. Pruneanu, L. Olenic, F. Pogacean, V. Ostafe, V. Chiriac, E. M. Pica, **L. C. Bolundut**, L. Nica, E. Fagadar-Cosma, *Manganese(III) Porphyrin-based Potentiometric Sensors for Diclofenac Assay in Pharmaceutical Preparations*, *Sensors*, **2010**, 10, 8850; doi:10.3390/s101008850x, ISSN: 1424-8220

<http://www.mdpi.com/1424-8220/10/10/8850/>

25. **L. Bolundut**, I. Haiduc, E. Ilyes, G. Kociok-Köhn, K. C. Molloy, S. Gómez-Ruiz, *Hydrogen bond supramolecular self-assembly in nickel(II) dithiophosphates, Ni[S<sub>2</sub>P(OR)<sub>2</sub>]<sub>2</sub>, R = sec-Bu, iso-Bu, and their bis(pyrazole) adducts* *Inorg. Chim. Acta*, **2010**, 363, 4319.

[http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6TG5-50K5T2B-1&\\_user=10&\\_coverDate=07%2F20%2F2010&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_origin=search&\\_sort=d&\\_docanchor=&\\_view=c&\\_searchStrId=1474234502&\\_rerunOrigin=google&\\_acct=C000050221&\\_version=1&\\_urlVersion=0&\\_userid=10&\\_md5=0e20e99495e40ab64bb04076f906233d&\\_searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TG5-50K5T2B-1&_user=10&_coverDate=07%2F20%2F2010&_rdoc=1&_fmt=high&_orig=search&_origin=search&_sort=d&_docanchor=&_view=c&_searchStrId=1474234502&_rerunOrigin=google&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&_md5=0e20e99495e40ab64bb04076f906233d&_searchtype=a)



26. **Liviu Bolundut**, Ionel Haiduc, Mary. F. Mahon, Kieran C. Molloy, *A Dinuclear Adduct of bis (di-sec-butyl dithiophosphato) Cadmium(II) Built around the Hexamethylenetetramine Cage as Coordination Center*, *Revista de Chimie*, **2008**, 11(59), 1194.

[http://www.revistadechimie.ro/Article\\_ro.asp?ID=1998](http://www.revistadechimie.ro/Article_ro.asp?ID=1998)

**C2) Articole/Studii publicate în jurnale indexate BDI și la conferințe indexate în baze de date internaționale (BDI) de referință în domeniul Chimie (DBLP, ACM, IEEE, SCOPUS)<sup>1</sup>**

1. Neamtu C. I., **Bolundut L. C.**, E. M. Pica, *Ozonation Influence on Aluminium Ions from an Aqueous Solution, in Different Temperature Conditions*, **ICRTMME - 2<sup>nd</sup> International Conference on Recent Trends in Materials and Mechanical Engineering**, September 21-23, 2013, Singapore, **Japan**, *published in: Applied Mechanics and Materials Journal (ISSN: 1660-9336-online), (ISBN: 978-3-03785-869-1-print)*, **2013**, Vol. 420, pp. 129-133.  
doi:10.4028/www.scientific.net/AMM.420.129.

<http://www.scientific.net/AMM.420.129>

2. L. Jantschi, C. E. Stoenoiu, S. D. Bolboaca, M. C. Balan, **L. C. Bolundut**, V. Popescu, H. I. Nașcu, I. Abrudan, *Knowledge Assessment: Distribution of Answers to an Online Quizzed System*, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture*, **2009**, 66(2), 680 – 683.

<http://journals.usamvcj.ro/horticulture/article/view/4443>

3. C. I. Neamtu, E. M. Pica, **L. C. Bolundut**, 2013. "Ozone effect on wastewater containing lead compounds ", *International Global Analysis Research Journal (ISSN:2277-8160)*, Vol.2, Nr.8, pp. 53-54.

<http://theglobaljournals.com/gra/file.php?val=MTAyNg==>

4. C. I. Neamtu, L. C. Pirau, C. Tanaselia, G. Chioreanu, **L. C. Bolundut**, E. M. Pica, *Clinoptilolite VS. activated carbon as a method of removing heavy metals from waters*, *Studia Universitatis Babeș-Bolyai, Ambientum*, **2016**, 61, 73-85.

<http://web.a.ebscohost.com/abstract?site=ehost&scope=site&jrnl=18433855&AN=120829912&h=yDinGA%2fhQdyt5AhptYIjAv1ftTFWvnV7qBJ5bIaHOLYdS7%2bVv%2fxJvofnV4HwxhcRejqr%2bn%2fePCCSvfjBTzAptA%3d%3d&cr=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&crhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18433855%26AN%3d120829912>

5. M. Bosca, E. Culea, **L. Bolundut**, P. Pascuta, V. Pop, N. Tothazan, I. Vida-Simiti, *Role of Gd<sup>3+</sup>: Ag co-doping on structural and optical properties of lead tellurite glass ceramics*, *Studia Universitatis Babeș-Bolyai, Physica*, **2015**, 60 (2),

<http://web.b.ebscohost.com/abstract?site=ehost&scope=site&jrnl=02588730&asa=Y&AN=112740526&h=mKvInQnF%2bbXfUv2luuSm0%2fhXSfcGbkZFvIvdL4tZN5fMC%2bllRqusMRYqrX%2bb0p2ZwKNzYnwexLudsDnvsamb3A%3d%3d&cr=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&crhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d02588730%26asa%3dY%26AN%3d112740526>

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<sup>1</sup> indexate în:

[IEEE] - IEEE Xplore (<http://ieeexplore.ieee.org/Xplore/guesthome.jsp> )

[ACM] - ACM portal (<http://portal.acm.org> )

[DBLP] - (<http://www.informatik.uni-trier.de> )

[SCOPUS] - (<http://www.scopus.com>)

## D – Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate) și postere conferințe naționale și internaționale

1. E. M. Pica, **L. C. Bolundut**, I. Popister, C. Neamtu, M. Bejan, "*Some Determination Methods of Formic Acid (HCOOH)*", A XI-a Conferință Națională cu participare internațională -"Profesorul Dorin PAVEL- fondatorul hidroenergeticii românești" Sebeș, România 3-5 iunie **2011**, **publicată în**: Lucrările celei de-a XI-a Conferințe Naționale cu participare internațională -"Profesorul Dorin PAVEL- fondatorul hidroenergeticii românești" Știință și Inginerie, Sebeș, România 2011, An XI, Volumul 20 (ISSN 2067-7138) Editura AGIR, București, 2011, pp. 199-202.

<http://stiintasiinginerie.ro/category/revista/2011/volumul-20/>

2. M. Zagrai, E. M. Pica, E. Culea, **L. Bolundut**, N. Dura, L. Rus, S. Rada, "*Imobilization of the radioactive wastes in vitreous systems on the base of lead*" A XIV-a Conferință Națională cu participare internațională -"Profesorul Dorin PAVEL- fondatorul hidroenergeticii românești" Sebeș, România 6-8 iunie **2014**, **publicată în**: Lucrările celei de-a XIV-a Conferințe Naționale cu participare internațională -"Profesorul Dorin PAVEL- fondatorul hidroenergeticii românești" Știință și Inginerie, Sebeș, România 2014, An XIV, Volumul 26 (ISSN 2067-7138) Editura AGIR, București, 2014, pp 215-222.

<http://stiintasiinginerie.ro/?s=Liviu+Bolundut>

3. L. Rus, T. Rusu, E. Culea, **L. Bolundut**, P. Pascuta, E. M. Pica, M. Zagrai, L. Pop, S. Rada, „*The recycling of the wastes provided of auto batteries in lead glasses*” A XIV-a Conferință Națională cu participare internațională -"Profesorul Dorin PAVEL- fondatorul hidroenergeticii românești" Sebeș, România 6-8 iunie **2014**, **publicată în**: Lucrările celei de-a XIV-a Conferințe Naționale cu participare internațională -"Profesorul Dorin PAVEL- fondatorul hidroenergeticii românești" Știință și Inginerie, Sebeș, România 2014, An XIV, Volumul 26 (ISSN 2067-7138) Editura AGIR, București, 2014, pp. 199-208.

<http://stiintasiinginerie.ro/?s=Liviu+Bolundut>

4. **L. C. Bolundut**, L. Rus, E. Culea, E. M. Pica, M. Zagrai, S. Rada, „*New types of glass as potential sensors to determine the nitrates anions from water*” A XIV-a Conferință Națională cu participare internațională -"Profesorul Dorin PAVEL- fondatorul hidroenergeticii românești" Sebeș, România 6-8 iunie **2014**, **publicată în**: Lucrările celei de-a XIV-a Conferințe Naționale cu participare internațională -"Profesorul Dorin PAVEL- fondatorul hidroenergeticii românești" Știință și Inginerie, Sebeș, România 2014, An XIV, Volumul 26 (ISSN 2067-7138) Editura AGIR, București, 2014, pp. 209-214.

<http://stiintasiinginerie.ro/?s=Liviu+Bolundut>

5. **L. Bolundut**, E. N. Culea, P. Pascuta, E. Culea, *New type of lead tellurite glass doped with neodymium and codoped with silver*, **BRAMAT 2015 (5-7 martie 2015), Brașov, România, II. P16.**

[http://bramat.ro/documents/Program\\_Bramat2015.pdf](http://bramat.ro/documents/Program_Bramat2015.pdf)

6. **L. Bolundut**, E. Culea, L. Rus, E. M. Pica, M. Zagrai, S. Rada, *New types of conductive lead glass with potential applications as electrodes for batteries*, **IBWAP 2014, Constanța, România, S1-P10.**

[http://www.ibwap.ro/2013/uploads/abstracts/Final\\_list\\_of\\_accepted\\_abstracts\\_June\\_16.pdf](http://www.ibwap.ro/2013/uploads/abstracts/Final_list_of_accepted_abstracts_June_16.pdf)

7. Pica E. M., Popister I., **Bolundut L. C.**, Neamtu C. I., Pirau L. C., Duca V., "*Chemical Study of the Carbon Dioxide Influence on Cultural Heritage*", **4th European Conference on Chemistry for Life Sciences (4ECCLS), August 31 and September 3, 2011 at the Eötvös University in Budapest, Hungary, 2011**, published in: Works 4th European Conference on Chemistry for Life Sciences (4ECCLS), August 31 and September 3, 2011 at the Eötvös University in Budapest, Hungary, **2011**, pag.165

<http://www.4eccls.mke.org.hu>

8. E. M. Pica, **L. C. Bolundut**, I. Popister, C. I. Neamtu, L. C. Pirau, *Procedeu de realizare a unui senzor pentru determinarea CO<sub>2</sub>*, **Salonul Internațional de Inventică PROINVENT 2011, Cluj Napoca.**

**Lucrare premiată cu Diploma de Excelență și Medalia de Bronz.**

9. L. Olenic, E. M. Pica, S. Pruneanu, **L. C. Bolundut**, D. Vlascici, E. Făgădar Cosma, O. Bizerea, V. Cosma, *Characterization of Ion-Selective Membranes based on Porphyrins by Impedance Spectroscopy and UV-Vis Absorption Spectroscopy*, **Timișoara's Academic Days x-ith Edition, Mai 28-29, 2009 Timișoara, România** pg.10, secțiunea PA1.

10. **L. Bolundut**, I. Haiduc, M. F. Mahon, K. C. Molloy, J. Zukerman - Schpector, *Supramolecular Association of Lead (II) Dithiophosphate*, SUPCHEM, 12-14 Aprilie **2007 International Conference on Supramolecular Chemistry, Cluj Napoca, România.**

11. M. Tomoaia - Cotisel, J. Zasko, A. Mocanu, P. Frangopol, D. Allan Cadenhead, **L. Bolundut**, *Interfacial Phenomena in the Process of Anesthesia*, **X-th Conference on Physical - Chemistry, Iasi - Romania, 26-29 September 2000**, pg. S9-P013

## E – Brevete obținute pentru întreaga activitate

Nu este cazul.

**Data: 28.12.2021**

**Semnătura:**

**Ș.L. Dr. chim. Liviu Călin BOLUNDUȚ**

A black rectangular box redacting the signature of Liviu Călin Bolundut. There are faint blue ink marks around the box, possibly remnants of the original signature or a stamp.