

# L I S T A

## lucrărilor științifice

**Dr.ing. Mihai-Cosmin Pascariu**

### **A. Teza de doctorat**

1. Surfactanți derivați din zaharide (Teză destinată obținerii titlului științific de doctor inginer la Universitatea „Politehnica” din Timișoara în domeniul Inginerie Chimică de către ing. [Mihai-Cosmin Pascariu](#)), Editura Politehnica, Seria 4: Inginerie Chimică, Nr. 55, 2011, ISSN: 1842-8223; ISBN: 978-606-554-413-0, 214 pagini.

Universitatea „Politehnica” din Timișoara, Domeniul Inginerie Chimică

Coordonator: prof. dr. ing. Lucian Mircea Rusnac

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

1. Alfa Xenia Lupea, [Mihai-Cosmin Pascariu](#), Carmen-Manuela Mitar, Corina Dalia Toderescu, *Chimie farmaceutică. Aplicații practice*, Ed. Politehnica, Timișoara, 2013, ISBN 978-606-554-711-7, 198 pagini; <http://www.editurapolitehnica.upt.ro/carti.php?catid=5&an=2013>.

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

#### **• publicate în reviste ISI**

1. Andrei V. Racu, Radu Băieș, Srinivas R. Popuri, [Mihai-Cosmin Pascariu](#), Mircea Niculescu, Radu Bănică, *Rapid combustion synthesis of  $Cu_2Y_2O_5$  as a precursor for  $CuYO_2$  delafossite*, MATER. TODAY COMMUN., 2018, 14: 233-239, DOI: 10.1016/j.mtcomm.2018.01.010, ISSN 2352-4928.
2. Mircea Niculescu, [Mihai-Cosmin Pascariu](#)\*, Cornelia Muntean, Viorel Sasca, Lavinia Lupa, Marius-Silviu Milea, Mihail Bîrzescu, *Thermal and spectroscopic analysis of Co(II)–Fe(III) polyglyoxylate obtained through the reaction of ethylene glycol with metal nitrates*, J. THERM. ANAL. CALORIM., 2018, 131(1): 127-136, DOI: 10.1007/s10973-016-6079-1, ISSN 1388-6150 (pentru versiunea tipărită), ISSN 1588-2926 (pentru versiunea electronică), **factor de impact (2016): 1,953** (<http://www.springer.com/chemistry/physical+chemistry/journal/10973>).

3. Carmen Manuela Pleșa, Aurel Ardelean, [Mihai-Cosmin Pascariu](#), Alfa Xenia Lupea, *Comparative Antioxidant Properties of Juniperus communis L. and Juniperus virginiana L. Extracts Obtained by Refluxing and Sonication Methods*, REV. CHIM. (BUCHAREST, ROM.), 2017, 68(5): 899-902, ISSN 2537-5733, ISSN-L 1582-9049, **factor de impact (2016): 1,232** (<http://www.revistadechimie.ro/>).
4. [Mihai-Cosmin Pascariu](#), Madian Rafailă, Mihai Medeleanu, Valentin Badea, Alexandra Teodora Gruia, Victor Lorin Purcarea, Mircea Penescu, Eugen Sisu, *Computational search for long bonds in radical cations of sugars. 1. Glucofuranose, galactofuranose and mannofuranose di-O-isopropylidene derivatives*, FARMACIA, 2016, 64(4): 553-564, ISSN: 0014-8237 (pentru ediția tipărită), ISSN: 2065-0019 (pentru ediția online), **factor de impact (2016): 1,348** (<http://www.revistafarmacia.ro/index.html>).
5. Mihai Medeleanu, [Mihai-Cosmin Pascariu](#), Eugen Șișu, Tudor Olariu, Doina Georgescu, Maria Mracec, Mircea Mracec, *Entropic effect and thermodynamic properties for the conformers of (3R,5S,6R)-6-acetylamidopenicillanic acid calculated with the PM3, PM6 and PM7 semiempirical MO methods*, REV. ROUM. CHIM., 2016, 61(6-7), 597-607, ISSN 0035-3930, **factor de impact (2016): 0,246** (<http://web.icf.ro/rrch/>).
6. Mircea Niculescu, Viorel Sasca, Cornelia Muntean, Marius-Silviu Milea, Dan Roșu, [Mihai-Cosmin Pascariu\\*](#), Eugen Sisu, Ioan Ursoiu, Vasile Pode, Petru Budrugaec, *Thermal behavior studies of the homopolynuclear coordination compound iron(III) polyoxalate*, THERMOCHIM. ACTA, 2016, 623: 36-42, DOI:10.1016/j.tca.2015.11.008, ISSN 0040-6031, **factor de impact (2016): 2,236** (<http://www.journals.elsevier.com/thermochimica-acta/>).
7. [Mihai-Cosmin Pascariu](#), Ioana-Ramona Ciopănoiu, Carmen-Manuela Mitar, Mircea Mracec, Eugen Sisu, *Exploring the possibility of anchimeric assistance in alkyl sugar cations by computational methods*, REV. ROUM. CHIM., 2015, 60(9): 881-889, ISSN 0035-3930, **factor de impact (2016): 0,246** (<http://web.icf.ro/rrch/>).
8. [Pascariu M.C.](#), Niculescu M., Belengeanu D., Șerb A., Božin L.A., Mitar C.M., Ciopănoiu I.R., Lupea A.X., *Radical Cations in EI-MS Analysis of Drugs. I. Riboflavin, epinephrine, chloramphenicol, metronidazole and dipyridamole*, REV. CHIM. (BUCHAREST, ROM.), 2015, 66(10): 1582-1589, ISSN 2537-5733, ISSN-L 1582-9049, **factor de impact (2016): 1,232** (<http://www.revistadechimie.ro/>).
9. Roșu D., Bîrzescu M., Milea M.S., [Pascariu M.C.](#), Sasca V., Niculescu M., *Synthesis-Structure Relationship in the Aqueous Ethylene Glycol-Iron(III) Nitrate System*, REV.

ROUM. CHIM., 2014, 59(9): 789-796, ISSN 0035-3930, **factor de impact (2016): 0,246** (<http://web.icf.ro/rrch/>).

10. Madian Rafailă<sup>#</sup>, [Mihai-Cosmin Pascariu<sup>#</sup>](#), Alexandra Gruia, Mircea Penescu, Victor Lorin Purcarea, Mihai Medeleanu, Lucian-Mircea Rusnac, Corneliu-Mircea Davidescu, *GC-MS analysis of long chain mannofuranose derivatives as biocompatible surfactant precursors. Correlation between peak intensities and stability of corresponding fragments*, FARMACIA, 2013, 61(1): 116-126, ISSN: 0014-8237 (pentru ediția tipărită), ISSN: 2065-0019 (pentru ediția online), **factor de impact (2016): 1,348** (<http://www.revistafarmacia.ro/index.html>).
11. [Mihai-Cosmin Pascariu](#), Lucian-Mircea Rusnac, Ana-Maria Macsim, *Tethered Glycoderivatives with Unsaturated Spacer: Synthesis and Characterization*, SYNTH. COMMUN., 2012, 42(17): 2503-2511, ISSN: 0039-7911 (pentru ediția tipărită), ISSN: 1532-2432 (pentru ediția on-line), DOI: 10.1080/00397911.2011.561943, **factor de impact (2016): 1,134** (<http://www.tandfonline.com/loi/lsyc20#.U7A5mvmSx8E>).
12. [Mihai-Cosmin Pascariu](#), Lucian-Mircea Rusnac, *Selective deprotection of tethered glycoderivatives with unsaturated spacer*, HETEROCYCL. COMMUN., 2011, 17(3-4): 99-103, ISSN (pentru ediția tipărită): 0793-0283, ISSN (pentru ediția on-line): 2191-0197, DOI: 10.1515/hc.2011.022, **factor de impact (2016): 0,542** (<http://www.degruyter.com/view/j/hc>).
13. Liliana Marinela Ștefan, Ana-Maria Pană, [Mihai-Cosmin Pascariu](#), Eugen Șișu, Geza Bandur, Lucian-Mircea Rusnac, *Synthesis and characterization of a new methacrylic glycomonomer*, TURK. J. CHEM., 2011, 35(5): 757-767, ISSN: 1300-0527, E-ISSN: 1303-6130, **factor de impact (2016): 1,292** (<http://journals.tubitak.gov.tr/chem/index.php>).

- *Volume ale conferințelor indexate ISI Web of Science Proceedings Paper*

- *Articole publicate în reviste indexate în baze de date internaționale*

1. [Pascariu M.C.](#), Tulucan T., Niculescu M., Sebarchievici I., Ștefănuț M.N., *Water quality survey of streams from Retezat Mountains (Romania)*, JOURNAL OF ENVIRONMENTAL GEOGRAPHY, 2016, 9(3-4): 27-32, doi: 10.1515/jengeo-2016-0009, ISSN 2060-467X (<https://www.degruyter.com/view/j/jengeo>).
2. M. Bîrzescu, D. Roșu, M.S. Milea, [M.C. Pascariu](#), M. Rafailă, V. Sasca, M. Niculescu, *Coordination compounds obtained through oxidation of diols with metal nitrates. Part I. Synthesis - structure relationship for aqueous ethylene glycol - metal nitrate systems*, NEW.

FRONT. CHEM., 2016, 25(1): 39-52, ISSN 2393-2171; ISSN-L 2393-2171

(<http://www.newfrontchem.iqstorm.ro/>).

3. **M.C. Pascariu**, Carmen-Manuela Mitar, Ioana-Ramona Ciopănoiu, Alexandra Gruia, M. Niculescu, E. Sisu, *Anchimeric assistance in EI-MS carbocations – a computational investigation*, NEW. FRONT. CHEM., 2016, 25(1): 53-63, ISSN 2393-2171; ISSN-L 2393-2171 (<http://www.newfrontchem.iqstorm.ro/>).
4. **Mihai-Cosmin Pascariu**, Ana Lucia Ciobotaru, Tiberiu Tulucan, Mariana Nela Ștefănuț, Adina Cătă, Ionița Firuța Fițișău, Ioana Ienașcu, *Romanian Pharmacopoeia versus Atomic Spectrometry as Analysis Tools for Heavy Metal Content in Some Water Sources from the Western and South-Western Part of Romania*, ARAD MEDICAL JOURNAL, 2013, XVI(1-4): 91-99, "Vasile Goldis" University Press, ISSN 1224-3744, e-ISSN 2067-7790, ISSN-L 1224-3744, indexat în BDI: Index Copernicus (<http://www.jmedar.ro/>).
5. **Pascariu M.C.**, Șișu E., Ordodi V.L., Rusnac L.M., *Spectral Analysis of Diisopropylidenated Monosaccharides. Low Energy EI-MS Fragmentation Study*, CHEM. BULL. "POLITEHNICA" UNIV. (TIMIȘOARA), 2011, 56(1): 6-11, ISSN: 1224-6018 (pentru ediția tipărită), ISSN: 2069-6310 (pentru ediția on-line), indexat în BDI: Index Copernicus (<http://www.chemicalbulletin.ro/>).
6. Pană A.M., **Pascariu M.C.**, Bandur G., Rusnac L.M., *Thermal Properties of New Glucose Based Copolymers*, CHEM. BULL. "POLITEHNICA" UNIV. (TIMIȘOARA), 2009, 54(2): 93-99, ISSN: 1224-6018 (print), ISSN: 2069-6310 (online), indexat în BDI: Index Copernicus (<http://www.chemicalbulletin.ro/>).
7. Sălăgean I.R., **Pascariu M.C.**, Bandur G., Rusnac L.M., *Thermal Properties of Copolymers Based on Sugar*, CHEM. BULL. "POLITEHNICA" UNIV. (TIMIȘOARA), 2009, 54(2): 100-103, ISSN: 1224-6018 (print), ISSN: 2069-6310 (online), indexat în BDI: Index Copernicus (<http://www.chemicalbulletin.ro/>).

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

1. Loreta-Andrea Božin, **Mihai-Cosmin Pascariu**, Alina Georgescu, Georgeta Simu, Anca Dragomirescu, Eugen Șișu, *Preliminary TLC studies on Posidonia oceanica seagrass*, Proceedings of the 23<sup>rd</sup> International Symposium on Analytical and Environmental Problems, 9-10 octombrie 2017, Szeged, Ungaria, pag. 113-115, editat de Tünde Alapi și István Ilisz, Universitatea din Szeged, Departamentul de Chimie Anorganică și Analitică, Szeged, 2017, ISBN 978-963-306-563-1, [http://www2.sci.u-szeged.hu/isaep/index\\_html\\_files/Proceedings\\_of\\_ISAEP\\_2017.pdf](http://www2.sci.u-szeged.hu/isaep/index_html_files/Proceedings_of_ISAEP_2017.pdf).

2. Andrei Racu, [Mihai-Cosmin Pascariu](#), Zoltán Szabadai, Mircea Mracec, *A spectroscopic and semiempirical quantum chemical study of copper(II) phthalocyaninate*, Proceedings of the 23<sup>rd</sup> International Symposium on Analytical and Environmental Problems, 9-10 octombrie 2017, Szeged, Ungaria, pag. 294-300, editat de Tünde Alapi și István Ilisz, Universitatea din Szeged, Departamentul de Chimie Anorganică și Analitică, Szeged, 2017, ISBN 978-963-306-563-1, [http://www2.sci.u-szeged.hu/isaep/index\\_htm\\_files/Proceedings\\_of\\_ISAEP\\_2017.pdf](http://www2.sci.u-szeged.hu/isaep/index_htm_files/Proceedings_of_ISAEP_2017.pdf).
3. [Mihai-Cosmin Pascariu](#), Madian Rafailă, Mihai Medeleanu, Ramona Curpan, Liliana Păcureanu, Nicolae Dincă, Eugen Șișu, *DFT study of long bonds in radical cations of sugar derivatives*, Proceedings of The 22<sup>nd</sup> International Symposium on Analytical and Environmental Problems, 10 octombrie 2016, Szeged, Ungaria, pag. 251-254, editat de Tünde Alapi și István Ilisz, ISBN 978-963-306-507-5, [http://www2.sci.u-szeged.hu/isaep/index\\_htm\\_files/Proceedings%20\\_of\\_ISAEP\\_2016.pdf](http://www2.sci.u-szeged.hu/isaep/index_htm_files/Proceedings%20_of_ISAEP_2016.pdf).
4. Mircea Niculescu, Andrei Racu, Petrică Linul, Bogdan Țăranu, [Mihai-Cosmin Pascariu](#)<sup>\*</sup>, *TEM, EDX and Raman study of nickel oxide micro- and nanophases obtained by thermal decomposition of an organometallic precursor*, Proceedings of The 22<sup>nd</sup> International Symposium on Analytical and Environmental Problems, 10 octombrie 2016, Szeged, Ungaria, pag. 255-258, editat de Tünde Alapi și István Ilisz, ISBN 978-963-306-507-5, [http://www2.sci.u-szeged.hu/isaep/index\\_htm\\_files/Proceedings%20\\_of\\_ISAEP\\_2016.pdf](http://www2.sci.u-szeged.hu/isaep/index_htm_files/Proceedings%20_of_ISAEP_2016.pdf).
5. Loreta Andrea Božin<sup>#</sup>, [Mihai-Cosmin Pascariu](#)<sup>#</sup>, Anca Dragomirescu, Georgeta Simu, Nicolae Dincă, Eugen Șișu, *Characterization by soft ionization mass spectrometry methods of mono- and oligosaccharides functionalized at the anomeric center*, Proceedings of The 22<sup>nd</sup> International Symposium on Analytical and Environmental Problems, 10 octombrie 2016, Szeged, Ungaria, pag. 435-438, editat de Tünde Alapi și István Ilisz, ISBN 978-963-306-507-5, [http://www2.sci.u-szeged.hu/isaep/index\\_htm\\_files/Proceedings%20\\_of\\_ISAEP\\_2016.pdf](http://www2.sci.u-szeged.hu/isaep/index_htm_files/Proceedings%20_of_ISAEP_2016.pdf).
6. [Mihai-Cosmin Pascariu](#), Loreta-Andrea Bozin, Alina Serb, Nicolae Dinca, Eugen Sisu, *Semi-empirical Proof of Long Bond States as Intermediates in Mass Spectrometry Fragmentation of Aldohexofuranose Derivatives*, Proceedings of The 21<sup>th</sup> International Symposium on Analytical and Environmental Problems, 28 septembrie 2015, Szeged, Ungaria, pag. 247-250, editat de Tünde Alapi și István Ilisz, ISBN 978-963-306-411-5, [http://www2.sci.u-szeged.hu/isaep/index\\_htm\\_files/Proceedings%20\\_of\\_ISAEP\\_2015.pdf](http://www2.sci.u-szeged.hu/isaep/index_htm_files/Proceedings%20_of_ISAEP_2015.pdf).
7. Mircea Niculescu, [Mihai-Cosmin Pascariu](#), *Oxidic Systems from Some Organometallic Precursors*, Proceedings of The 21<sup>th</sup> International Symposium on Analytical and

Environmental Problems, 28 septembrie 2015, Szeged, Ungaria, pag. 251-255, editat de Tünde Alapi și István Ilisz, ISBN 978-963-306-411-5, [http://www2.sci.u-szeged.hu/isaep/index\\_htm\\_files/Proceedings%20 of ISAEP 2015.pdf](http://www2.sci.u-szeged.hu/isaep/index_htm_files/Proceedings%20of%20ISAEP%202015.pdf).

8. **Mihai-Cosmin Pascariu**, Tiberiu Tulucan, Mircea Niculescu, Iuliana Sebarchievici, *Ecological Survey of Padiș Area, Romania*, Proceedings of The 21<sup>th</sup> International Symposium on Analytical and Environmental Problems, 28 septembrie 2015, Szeged, Ungaria, pag. 256-259, editat de Tünde Alapi și István Ilisz, ISBN 978-963-306-411-5, [http://www2.sci.u-szeged.hu/isaep/index\\_htm\\_files/Proceedings%20 of ISAEP 2015.pdf](http://www2.sci.u-szeged.hu/isaep/index_htm_files/Proceedings%20of%20ISAEP%202015.pdf).
9. Loreta-Andrea Bozin, Anca Dragomirescu, Georgeta Simu, **Mihai-Cosmin Pascariu**, Alina Serb, Eugen Sisu, *TLC-Densitometric Investigation of Bioactive Components from Mediterranean Algae*, Proceedings of The 21<sup>th</sup> International Symposium on Analytical and Environmental Problems, 28 septembrie 2015, Szeged, Ungaria, pag. 260-263, editat de Tünde Alapi și István Ilisz, ISBN 978-963-306-411-5, [http://www2.sci.u-szeged.hu/isaep/index\\_htm\\_files/Proceedings%20 of ISAEP 2015.pdf](http://www2.sci.u-szeged.hu/isaep/index_htm_files/Proceedings%20of%20ISAEP%202015.pdf).
10. **Mihai-Cosmin Pascariu**, Alexandra Teodora Gruia, Mihai Medeleanu, Loreta-Andrea Božin, Cristian Șchiopu, Eugen Șișu, *Anchimeric Assistance in Mass Spectrometry Fragmentation of Long Chain Glycoderivatives*, Proceedings of The 20<sup>th</sup> International Symposium on Analytical and Environmental Problems, 22 septembrie 2014, SZAB, Szeged, Ungaria, pag. 63-66, editat de dr. Zoltán Galbács, ISBN 978-963-12-1161-0.

#### **E. Prezentări orale la manifestări științifice (conferințe, simpozioane)**

1. **M.C. Pascariu**, I.R. Ciopănoiu, C.M. Pleșa, A.X. Lupea, A.V. Racu, R. Banica, *Atmospheric particulate matter in the laboratories of a pharmacy faculty*, Arad Academic Days, the 28<sup>th</sup> Edition, 23-25 mai 2018, Arad, România, <http://www.zileleacademicaradene.ro/>.
2. A.V. Racu, **M.C. Pascariu**, M. Niculescu, *Spineli dopați cu erbiu obținuți din precursori organometalici*, A 16-a ediție a Seminarului Național de Nanoștiință și Nanotehnologie, 6 iunie 2017, București, România, [http://www.romnet.net/nano/SNN2017/prezentari%20orale/PASCARIU\\_SNN\\_2017\\_final.pdf](http://www.romnet.net/nano/SNN2017/prezentari%20orale/PASCARIU_SNN_2017_final.pdf).
3. **M.C. Pascariu**, A.V. Racu, I.R. Ciopănoiu, M. Pleșa, A.X. Lupea, M. Niculescu, *Advanced oxidic systems from heteropolynuclear coordination compounds I: a semi-automated method for water content assay in precursors*, Arad Academic Days, the 27<sup>th</sup> Edition, 18-21 mai 2017, Arad, România, <http://www.zileleacademicaradene.ro/>.

4. M. Niculescu, [M.C. Pascariu](#), A.V. Racu, *Advanced oxidic systems from heteropolynuclear coordination compounds II: synthesis and analysis of coordination compounds*, Arad Academic Days, the 27<sup>th</sup> Edition, 18-21 mai 2017, Arad, România, <http://www.zileleacademicaradene.ro/>.
5. A.V. Racu, I. Sebarchievici, [M.C. Pascariu](#), M. Niculescu, *Advanced oxidic systems from heteropolynuclear coordination compounds III: thermal decomposition of complexes and optical properties of products*, Arad Academic Days, the 27<sup>th</sup> Edition, 18-21 mai 2017, Arad, România, <http://www.zileleacademicaradene.ro/>.
6. Niculescu M., [Pascariu M.C.](#), *Molecular modeling of a new copper(II) coordination compound*, The fourth annual scientific symposium – “Stability and Reactivity in Coordination Chemistry (in memoriam Mihail Bîrzescu)”, 16 decembrie 2016, Timișoara, România.
7. Mihai Medeleanu, [Mihai-Cosmin Pascariu](#), Eugen Șișu, Maria Mracec and Mircea Mracec, *Conformer entropy influence on the biological activity of bioactive molecules*, International Conference of Physical Chemistry – Romphyschem 16<sup>th</sup> edition, 21-24 septembrie 2016, Galați, România, <http://romphyschem.icf.ro/>.
8. Radu Bănică, [Cosmin Pascariu](#), *Presentation of the Results of the Project "Mobile Pilot Plant for Waste Water Treatment using Solar Energy" and the Laboratory of Renewable Energy - Photovoltaic within INCEMC*, Eco Energy 2016 (Solutions for Green Energy), 22-24 iunie 2016, Timișoara, România, <http://ecoenergy.uvt.ro/wp-content/uploads/2014/07/z-pt-site-AGENDA-ECO-ENERGY.pdf>.
9. [Mihai-Cosmin Pascariu](#), Ioana Ramona Ciopănoiu, Carmen Manuela Mitar, Alfa Xenia Lupea, Mircea Niculescu, *Nanoparticles with pharmaceutical applications from organometallic precursors*, The Academic Days of Arad, the 26<sup>th</sup> edition, 18-21 mai 2016, Arad, România, <http://acad.uvvg.ro/2016/>.
10. Mircea Niculescu, Viorel Sasca, Cornelia Muntean, [Mihai-Cosmin Pascariu\\*](#), *Thermal and spectroscopic analysis of Co(II)-Fe(III) polyglyoxylate obtained through the reaction of ethylene glycol with metal nitrates*, The 25<sup>th</sup> Symposium on Thermal Analysis and Calorimetry–Eugen SEGAL, 15 aprilie 2016, București, România.
11. Mihail Bîrzescu, Viorel Sasca, Dan Roșu, Marius-Silviu Milea, [Mihai-Cosmin Pascariu](#), Mircea Niculescu, *Synthesis-Structure Relationship in the Aqueous Ethylene Glycol-Iron(III) Nitrate-Cobalt(II) Nitrate System*, Al 3-lea simpozion anual de comunicări științifice - "Stability and Reactivity in Coordination Chemistry (in memoriam Mihail Bîrzescu)", 18 septembrie 2015, Timișoara, România.

12. **Mihai-Cosmin Pascariu**, Loreta-Andrea Bozin, Alina Serb, Nicolae Dinca, Mircea Niculescu, Eugen Şişu, *Mass spectrometry fragmentation involving long bonds in some hexoses derivatives*, Al 3-lea simpozion anual de comunicări ştiinţifice - "Stability and Reactivity in Coordination Chemistry (in memoriam Mihail Bîrzescu)", 18 septembrie 2015, Timișoara, România.
13. **Pascariu M.C.**, Niculescu M., Şerb A., Bozin L., Şişu E, *Radical cations in EI-MS analysis of drugs. 1. Riboflavin*, The Academic Days of Arad, 25<sup>th</sup> edition, 15-17 mai 2015, Arad, România, <http://acad.uvvg.ro/2015/>.
14. Mitar C.M., Ciopanoiu I.R., Ciobotaru A.L., Lupea A.X., **Pascariu M.C.**, *Radical cations in EI-MS analysis of drugs. 2. Epinephrine*, The Academic Days of Arad, 25<sup>th</sup> edition, 15-17 mai 2015, Arad, România, <http://acad.uvvg.ro/2015/>.
15. Ciopanoiu I.R., Mitar C.M., Toderescu C.D., Lupea A.X., **Pascariu M.C.**, *Radical cations in EI-MS analysis of drugs. 3. Dipyridamole*, The Academic Days of Arad, 25<sup>th</sup> edition, 15-17 mai 2015, Arad, România, <http://acad.uvvg.ro/2015/>.
16. Sasca V., Roşu D., Milea M.S., **Pascariu M.C.**, Şişu E., Niculescu M., *Thermal behaviour studies of new homopolynuclear coordination compound  $[Fe(C_2O_4)(OH)(OH_2) \cdot 0.3H_2O]_n$* , Al 24-lea Simpozion Anual de Comunicări Ştiinţifice – Eugen Segal, 13 februarie 2015, Bucureşti, România, <http://www.academiaromana.ro/com2015/doc/d0213-programCATC2015.pdf>.
17. **Mihai-Cosmin Pascariu**, Madian Rafailă, Alexandra Teodora Gruia, Mircea Niculescu, Eugen Şişu, *Sugar carbocation rearrangements as predicted by computational chemistry*, Al 2-lea simpozion anual de comunicări ştiinţifice - "Stability and Reactivity in Coordination Chemistry (in memoriam Mihail Bîrzescu)", 7 noiembrie 2014, Timișoara, România.
18. Jurcă O.A., Ciobotaru A., **Pascariu M.C.**, *Analysis of heavy metals in rivers from Arad County*, The Academic Days of Arad, 24<sup>th</sup> edition, 16-18 mai 2014, Arad, România, <http://acad.uvvg.ro/2014/>.

#### **F. Postere manifestări ştiinţifice (conferinţe, simpozioane)**

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