Curriculum vitae Europass

Informaţii personale

Nume, Prenume	**Pop, Alexandra Mihaela**
Adresă	11 Arany Janos, 400028 Cluj-Napoca, România
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E-mail	alexandra.m.pop@ubbcluj.ro
	ResearcherID: C-1264-2012 Scopus Author ID: 23019545900 ORCID: 0000-0002-2355-3682 Webpage : www.chem.ubbcluj.ro/~ccsoom/organometallic/alexandra.html
Naţionalitate	Română
Data naşterii	22.08.1984

Experienţa profesională

Perioada	15.02.2017– prezent
Funcţia	Lector universitar
Numele şi adresa angajatorului	Facultatea de Chimie și Inginerie Chimică, Universitatea Babeș-Bolyai, Str. Mihail Kogălniceanu Nr. 1, 400079 Cluj-Napoca
Perioada	01.06.2014 – 31.12.2015
Funcţia	Studii postdoctorale
Numele şi adresa angajatorului	Proiectul European: POSDRU/159/1.5/S/ 137750 - Universitatea Babeș-Bolyai, Str. Mihail Kogălniceanu Nr. 1, 400079 Cluj-Napoca
Tipul activităţii	Cercetare
Perioada	2012 - prezent
Activităţi şi responsabilităţi	Determinare structuri moleculare prin Difractie de raze X pe monocristal
Funcţia	Cristalograf
Numele şi adresa angajatorului	Centrul National de Difractiometrie de Raze-X, Universitatea Babeș-Bolyai
Perioada	2007 - prezent
Activităţi şi responsabilităţi	Membru în echipă / Director de proiect
Funcţia	Asistent cercetare
Numele şi adresa angajatorului	Universitatea Babeș-Bolyai, Str. Mihail Kogălniceanu Nr. 1, 400079 Cluj-Napoca
Tipul activităţii	Cercetare

Proiecte de cercetare coordonate

Perioada	01.11.2020 - 31.10.2022
Activităţi şi responsabilităţi	Director de proiect
Titlul și codul proiectului	Proiecte de cercetare pentru stimularea tinerelor echipe independente - PN-III-P1-1.1-TE-2019-1342
Program de finanțare	UEFISCDI-P.1 – dezvoltarea sistemului national de cercetare-dezvoltare
Volumul finanțării	431.900 lei
Perioada	01.05.2015 - 31.03.2017

Activităţi şi responsabilităţi	Director de proiect
Titlul și codul proiectului	Sinteza şi caracterizarea structurală a unor noi compuşi calcogen-organici cu potenţiale aplicaţii în biologie şi medicină'; GTC-31809 / 2015
Program de finanțare	Universitatea Babeș-Bolyai; Granturi pentru susținerea tinerilor cercetători / GTC competiția 2015
Volumul finanțării	20.000 lei

Educaţie și formare

Perioada	2008 - 2012
Diploma obţinută	Diplomă de doctor
Competenţe profesionale dobândite	Sinteza, caracterizarea structurala si studii privind reactivitatea unor noi compusi calcogen-organici
Numele şi tipul instituţiei de învăţământ	Universitatea Babeş-Bolyai, Facultatea de Chimie şi Inginerie Chimică
Perioada	2007 - 2008
Diploma obținută	Diplomă de Master
Disciplinele principale studiate	Chimie avansata, Chimie Coordinativă şi Organometalică
Numele şi tipul instituţiei de învăţământ	Universitatea Babeş-Bolyai, Facultatea de Chimie şi Inginerie Chimică
Perioada	2003 - 2007
Diploma obținută	Diplomă de licenta
Disciplinele principale studiate	Chimie
Numele şi tipul instituţiei de învăţământ	Universitatea Babeş-Bolyai, Facultatea de Chimie şi Inginerie Chimică

Aptitudini şi competenţe personale

Limba maternă	**Română**
Limbi străine cunoscute	**Engleză, Italiană, Spaniolă, Franceză**
Competenţe şi aptitudini organizatorice	**Director de proiect** - PN-III-P1-1.1-TE-2019-1342 **Director de proiect** - Grant pentru Tinerii Cercetători, GTC-31809 / Universitatea Babeş-Bolyai **Membru** - 10 proiecte naționale: COSETEORG; CNCSIS TIP A; ID 933/2011; ID 659/2011; PCCE 0050/2011, TE-906/2015, TE 0141/2023, PCE 857/2016; PCE 0966/2023; PCCF 0088 **Membru în Comitetul de Organizare** la 7 conferințe internaționale: - Young Researchers' International Conference on Chemistry and Chemical Engineering Cluj-Napoca, Romania, YRICCCE I (2016), YRICCCE III (2021-online), YRICCCE V (2025) - Young Researchers International Conference on Chemistry and Chemical Engineering YRICCCE II – Budapest, Hungary, 2018 - Chemia Napocensis - 100 de ani de la înființarea şcolii de chimie cu predare în limba română la Cluj, 2019 - Simpozion aniversar Academician Cristian Silvestru la 65 de ani - A Step Further into the Realm of Organometallic Chemistry in Cluj-Napoca, 2020 - online - Young Researchers International Conference on Chemistry and Chemical Engineering YRICCCE IV – Debrecen, Hungary, 2023 Coordonarea activității de cercetare a studenților, masteranzilor și doctoranzilor Responsabilă cu dotări logistice în laborator și cu împărțirea sarcinilor în laborator **Tutor** - ,,Spune Da, carierei de chimist"- Acțiuni inovative pentru reducerea abandonului finanțat de Ministerul Educației Naționale și Cercetării Științifice prin proiectul privind învățământul secundar - Romanian Secondary Education Project (ROSE) iunie 2020 **Tutor** - Școală de vară finanțată de Ministerul Educației Naționale și Cercetării Științifice prin proiectul privind învățământul secundar - Romanian Secondary Education Project (ROSE) 24.06.2019 – 07.07.2019 **Tutor** - Program ştiinţific BASF Chemgeneration 2018 – 2019 **Secretar** - Filiala Cluj a Societății de Chimie din România (2020-2025) **Membru** în consiliul general a Societății de Chimie din România (2020-) **Președinte** - Filiala Cluj 1 a Societății de Chimie din România (2025-) **Membru** în consiliul didactic al Universității Babeș-Bolyai (2025-)

Competenţe şi aptitudini tehnice	Chimie coordinativă şi organometalică preparativă – sinteză de compuşi coordinativi / organometalici ai calcogenilor în atmosferă inertă, utilizînd precursori anorganici şi organici specifici; Chimie supramoleculară coordinativă şi organometalică - sinteză de polimeri coordinativi şi organometalici; Investigarea strucutrală a precursorilor şi a noilor compuşi prin: FT-IR, RMN multinuclear, UV-Vis, spectroscopie de masă. Operator certificate Bruker al Difractometrului de Raze X din cadrul Centrului Naţional de Difractiometrie de Raze-X. Utilizator al spectrometrelor RMN Bruker 300, 400, si 600 MHz.
Competenţe şi aptitudini de utilizare a calculatorului	Sisteme de operare: Windows Microsoft Office, ChemOffice Software pentru analiza datelor spectroscopice: MesteC, MestreNova, TopSpin, XWinNMR, Xcalibur, MASPEC, Diamond, Spekwin Software pentru analiza datelor de difracţie de raze X pe monocristal: SHELX, WinGX, ShelXe
Informații suplimentare	**Web of Science ResearcherID** C-1264-2012 **51** publicații indexate in Web of Science, H-index **12** **3** capitole de carte **22** de comunicări la conferințe internaționale și **5** prezentări invitate
Premii și burse	**2024 – 2026** Membru EUTOPIA Young Leaders Academy **2024** Premiul PeerJ Award pentru cel mai pun poster la Workshop of the Selenium and Sulfur Redox and Catalysis Network (WSeS-11), Torun, Polonia (25 – 26 iulie) **2024** Premiul ”Profesor Excellentia” acordat de Consiliul Studenților din Universitatea Babeș-Bolyai, mai 2024 **2023** Bursă privată - L’Oréal – UNESCO „Pentru Femeile din Știință” **2019** Diplomă de onoare, pentru contribuții deosebite în promovarea chimiei, acordat de Societatea de Chimie din România **2019** Advanced Fellowship „Gheorghe Spacu” – Bursă STAR UBB **2011** Premiul special pentru rezultatele obţinute în timpul doctoratului (Doctoral studies: through science towards society, POSDRU/6/1.5/S/3), Universitatea Babeş-Bolyai, Cluj-Napoca, România.
Stagii şi Specializări în străinătate	10 – 13 Sept. 2019 Scoala de vara CHAOS Training School Atena, Grecia ,finanțat prin proiectul COST **CHAOS** 1 Dec. 2018 – 15 Martie 2019 Short Term Scientific Missions (stagiu de cercetare) la ISQCH (CSIC-University of Zaragoza, Spania), finanțat prin proiectul **COST Action CA15106**. 1 Sep. – 30 Noi. 2018 Mobilitate la ISQCH (CSIC-University of Zaragoza, Spania), finanțată de UEFISCDI prin proiectul **PN-III-P1-1.1-MC-2018-2580**. 1.03.2015– 7.06.**2015**, 1.10.2014– 1.12.**2014**, 1.09.2013– 15.11.**2013**

3 stagii de cercetare la Institut des Sciences Chimiques de Rennes (UMR 6226, Rennes, France).

27 – 29.10.2012
Curs de Cristalografie, Bruker AXS, Karlsruhe, Germany. S**MART APEX Single crystal X-ray diffractometer user trening**

1.02.2010 – 30.09.2010
Stagiu de cercetare, Universita degli Studi di Cagliari, Dipartimento di Chimica Inorganica ed Analitica; Cagliari, Italia.
Bursa POSDRU finanţata prin proiectul **- Doctoral studies: Science towards society**

15.02.2008 – 15.07.2008
Stagiu de cercetare, Instituto de Ciencia de Materiales de Aragon, Departamento de Quimica Inorganica, Universidad de Zaragoza, Spania.
Bursă **ERASMUS/SOCRATES**

Lect. Dr. Alexandra Pop

Cluj Napoca
07.11.2025

Listă de publicaţii

1. Orthopalladated imidazolones and thiazolones: synthesis, photophysical properties and photochemical reactivity, D. Dumitraș, D. Dalmau, P. García-Orduña, A. Pop, A. Silvestru, E. P. Urriolabeitia, *Dalton Trans.*, **2024**, 53, 8948–8957. (**Impact factor 4.0**, 10.1039/d4dt00730a)
2. Silver(I) complexes with diorganochalcogen ligands of type (2-$MeC_6H_4CH_2)_2E$ (E = S, Se). Synthesis, structure and antiproliferative activity, L. Corjuc, A. Pop, E. Licarete, M. Banciu, A. Silvestru, *Inorg. Chim. Acta*, **2024**, 565, 121972. (**Impact factor 2.8**, 10.1016/j.ica.2024.121972)
3. Metal Complexes Containing Homoleptic Diorganoselenium(II) Ligands: Synthesis, Characterization and Investigation of Optical Properties, D. Dumitras, E. Gal, C. Silvestru, A. Pop, *Molecules,* **2024**, 29(4), 792. (**Impact factor 4.6**, 10.3390/molecules29040792)
4. Planar Chiral p,p'-Terphenyl-Based Cyclophanes with Remarkable Enantiomer Stability: Synthesis, Theoretical Investigations, and Complexation Studies, I. Stroia, M.E. Moisă, A. Pop, B. Legrand, A. Hanganu, N. D. Hădade, I. Grosu, *J. Org. Chem.,* **2023**, 88, 22, 15647–15657. (**Impact factor 4.335**, 10.1021/acs.joc.3c01631)
5. Synthesis of Bis(amino acids) Containing the Styryl-cyclobutane Core by Photosensitized [2+2]-Cross-cycloaddition of Allylidene-5(4*H*)-oxazolones, S. Sierra, D. Dalmau,J. V. Alegre-Requena, **A. Pop**, C. Silvestru, M. L. Marin, F. Bosca, E. P. Urriolabeitia, *Int. J. Mol. Sci.*, **2023**, 24, 7583. (**Impact factor 6.208**, 10.3390/ijms24087583)
6. Functionalization and Coordination Effects on the Structural Chemistry of Pendant Arm Derivatives of 1,4,7-trithia-10-aza-cyclododecane ([12]aneNS(3)), C. Caltagirone, M. C. Aragoni, M. Arca, A. J. Blake, F. Demartin, A. Garau, E. Podda, A. Pop, V. Lippolis, C. Silvestru, Crystals, **2023**, 13, 616. (**Impact factor 2.670**, 10.3390/cryst13040616)
7. Silver(I) complexes containing heteroleptic diorganochalcogen(II) ligands, R. A. Butuza, D. Dumitras, C. Bohan, **A. Pop**, *New J. Chem.*, **2023**, 47, 2202. (**Impact factor 3.925**, 10.1039/d2nj05472h)
8. Silver(I) and gold(I) complexes of multidentate ligands based on functionalized pyridine, D. Dumitras, **A. Pop**, A. Silvestru, *Polyhedron*, **2022**, 220, 115801. (**Impact factor 2.975**, 10.1016/j.poly.2022.115801)
9. Structure-properties of small donor-acceptor molecules for homojunction single-material organic solar cells, N. Terenti, G. I. Giurgi, A. P. Crisan, C. Anghel, A. Bogdan, A. Pop, I. Stroia, A. Terec, L. Szolga, I. Grosu, J. Roncali, *J. Mater. Chem. C*, **2022**, 10, 5716. (**Impact factor 8.067**, 10.1039/d2tc00430e)
10. Group 12 metal complexes of mixed thia/aza and thia/oxa/aza macrocyclic ligands, A. M. Hodorogea, A. Silvestru, V. Lippolis, **A. Pop**, *Polyhedron*, **2022**, 216, 115650. (**Impact factor 2.975**, 10.1016/j.poly.2022.115650)
11. Stereoselective, Ruthenium-Photocatalyzed Synthesis of 1,2-Diaminotruxinic Bis-amino Acids from 4-Arylidene-5(4*H*)-oxazolones, S. Sierra, M. V. Gomez, A. I. Jimenez, **A. Pop**, C. Silvestru, M. L. Marin, F. Bosca, G. Sastre, E. Gomez-Bengoa, E. P. Urriolabeitia, *J. Org. Chem.*, **2022**, 87, 3529-3545. (**Impact factor 4.335**, 10.1021/acs.joc.1c03092)
12. Novel macrocycles embedding p,p?-terphenyl units: synthesis, characterization, single crystal X-ray molecular structures and theoretical investigations, I. Stroia, A. Pop, M. I. Nan, E. Bogdan, A. Terec, N. D. Hadade, I. Grosu, *Rev. Roum. Chim.*, **2022**, *67(4-5)*, 233-239. (**Impact factor 0.395**, 10.33224/rrch.2022.67.4-5.01)
13. Reactivity of (*Z*)-4-Aryliden-5(4*H*)-thiazolones: [2+2]-Photocycloaddition, Ring-Opening Reactions, and Influence of the Lewis Acid BF_3, S. Sierra, D. Dalmau, S. Higuera, D. Cortés, O. Crespo, A. I. Jimenez, **A. Pop**, C. Silvestru, E. P. Urriolabeitia, *J. Org. Chem.*, **2021**, 86, 12119. (**Impact factor 4.335**, 10.1021/acs.joc.1c01458)
14. Synthesis and characterization of [4-{$(CH_2O)_2CH$}$C_6H_4]_2Hg$, [4-$(O{=}CH)C_6H_4]2Hg$ and [(E)-4-$(RN{=}CH)C_6H_4]_2Hg$ (R = 2'-py, 4'-py, 2'-pyCH_2, 4'-pyCH_2). L. Kiss, **A. Pop**, S. Sergiu, C. I. Raț, C. Silvestru, *Appl. Organomet. Chem.,* **2021**, e6339. (**Impact factor 3.60**, 10.1002/aoc.6339)
15. Pd-Oxazolone complexes conjugated to an engineered enzyme: improving fluorescence and catalytic properties. C. Garcia-Sanz, A. Andreu, B. de las Rivas, A. I. Jimenez, **A. Pop**, C. Silvestru, E. P. Urriolabeitia, J. M. Palomo, *Org. Biomol. Chem.*, **2021**, 19, 2773. (**Impact factor 3.412**, 10.1039/D1OB00305D)
16. An attempt to synthesize a terthienyl-based analog of indacenedithiophene (IDT): unexpected synthesis of a naphtho[2,3-b]thiophene derivative. C. C. Anghel, I. Stroia, **A. Pop**, A. Bende, I. Grosu, N. D. Hadade, J. Roncali, *RSC Adv.*, **2021**, 11, 9894. (**Impact factor 3.24**, 10.1039/d1ra00659b)
17. Effect of the mode of fixation of the thienyl rings on the electronic properties of electron acceptors based on indacenodithiophene (IDT). N. Terenti, A. P. Crisan, S. Jungsuttiwong, N. D. Hadade, **A. Pop**, I. Grosu, J. Roncali, *Dyes Pigm.*, **2021**, 187, 2021, 109116. (**Impact factor 4.69**, 10.1016/j.dyepig.2020.109116)
18. Fluorescent Orthopalladated Complexes of 4-Aryliden-5(4*H*)-oxazolones from the Kaede Protein: Synthesis and Characterization. E. Laga, D. Dalmau, S. Arregui, O. Crespo, A. I. Jimenez, **A. Pop**, C. Silvestru, E. P. Urriolabeitia, *Molecules*, **2021**, 26(5), 1238. (**Impact factor 3.267**, 10.3390/molecules26051238)
19. Halogen-Bonded Organic Frameworks of Perfluoroiodo- and Perfluorodiiodobenzene with 2,2 ',7,7 '-Tetrapyridyl-9,9 '-spirobifluorene. L. Pop, I. G. Grosu, M. Miclaus, N. D. Hadade, **A. Pop**, A. Bende, A. Terec, M. Barboiu, I. Grosu, *Cryst. Growth Des.*, **2021**, 21, 2, 1045. (**Impact factor 4.08**, 10.1021/ACS.CGD.0C01383)
20. Ultrasound-assisted Strecker synthesis of novel 2-(hetero)aryl-2-(arylamino)acetonitrile derivatives. E. Gal, L. Gaina, H. Petkes, **A. Pop**, C. Cristea, G. Barta, D. C. Vodnar, L. Silaghi-Dumitrescu, *Beilstein J. Org. Chem.*, **2020**, 16, 2929. (**Impact factor 2.622**, 10.3762/BJOC.16.242)

21. New silver(I) and mercury(II) metal complexes containing the heteroleptic diorganoselenium(II) ligand (n-Bu)[2-(Me_2NCH_2)C_6H_4]Se. Synthesis and structural characterization. D. Dumitraș, A.-M. Hodorogea, D. Mărgineanu, **A. Pop**, *Rev. Roum. Chim.,* **2020**, 65(7-8), 755. (**Impact factor 0.395**, 10.33224/rrch.2020.65.7-8.14)
22. Selective hydration of electron-rich aryl-alkynes by a Schrock-type molybdenum alkylidene catalyst. A. Crișan, **A. Pop**, E. Bogdan, M. Matache, L. Pop, A. Terec, I. Grosu, N. Hădade, *Rev. Roum. Chim*., **2020**, 65(7-8), 699. (**Impact factor 0.395**, 10.33224/rrch.2020.65.7-8.07)
23. Synthesis and structural characterization of mercury(II) metal complexes containing the 2-(Me_2NCH_2)C_6H_4Se ligand. C. Salgau, **A. Pop**, *Rev. Roum. Chim*., **2020**, 65(6), 595. (**Impact factor 0.395**, 10.33224/rrch.2020.65.6.10)
24. Synthesis of esters of diaminotruxillic bis-amino acids by Pd-mediated photocycloaddition of analogs of the Kaede protein chromophore. E. P. Urriolabeitia, P. Sánchez, **A. Pop**, C. Silvestru, E. Laga, A. I. Jiménez, C. Cativiela, *Beilstein J. Org. Chem.* **2020**, 16, 1111. (**Impact factor 2.622**, 10.3762/bjoc.16.98)
25. Reaction of imidazoline-2-selone derivatives with mesityltellurenyl iodide: a unique example of a 3c-4e Se→Te←Se three-body system embedding a tellurenyl cation. M. C. Aragoni, M. Arca, A. J. Blake, Enzo Cadoni, L. O. Copolovici, F. Isaia, V. Lippolis, S. Murgia, **A. Pop,** C. Silvestru, J. P. Tidey, R. A. Varga, *New J. Chem.,* **2019**, 43, 11821. (**Impact factor 3.069**, 10.1039/C9NJ01593K)
26. Organoselenium compounds with N,C,N pincer groups. Synthesis, structure and reactivity. **A. Pop**, A. Silvestru, *Polyhedron,* **2019**, 160, 279. (**Impact factor 2.067**, 10.1016/j.poly.2018.12.041)
27. New hypercoordinated diorganotin(IV) compounds with dithiocarbamato ligands. Synthesis and structural characterization. N. Chiorean, C. Coza, **A. Pop**, A. Silvestru, *J. Organomet. Chem*., **2019**, *880*, 83. (**Impact factor 1.946**, 10.1016/j.jorganchem.2018.10.030)
28. Esters of diphenylphosphinoselenothioic and diphenylphosphinodiselenoic acids with potential for raft polymerization. N. Chiorean, **A. Pop**, C. Silvestru, A. Silvestru, *Studia UBB Chemia*, **2019**, 64, 197. (**Impact 0,494**, 10.24193/SUBBCHEM.2019.2.16)
29. Bismuth···π arene versus bismuth···halide coordination in heterocyclic diorganobismuth(III) compounds with transannular N→Bi interaction. A. M. Toma, **A. Pop**, A. Silvestru, T. Ruffer, H. Lang, M. Mehring, *Dalton Trans*., **2017***, 46,* 3953. (**Impact factor 4.097**, 10.1039/c7dt00188)
30. Cadmium complexes bearing Me2N^E^O- (E = S, Se) organochalcogenoalkoxides and their zinc and mercury analogues. **A. Pop**, C. Bellini, R. Şuteu, V. Dorcet, T. Roisnel, J.-F. Carpentier, A. Silvestru, Y. Sarazin, *Dalton Trans*., **2017***, 46,* 3179. (**Impact factor 4.097**, 10.1039/c7dt00279c)
31. Hypercoordinated organoselenium compounds with O→Se intramolecular interactions, R. Popa**, A. Pop**, C. Silvestru, A. Silvestru, *Studia UBB Chemia*, **2017**, *LXII*, 4, 193. (**Impact factor 0.244**, WOS: 000425964800017)
32. Silver(I) complexes of a new multidentate macrocyclic ligand with N/S/Se donor atoms. R. Popa, A. Silvestru, **A. Pop**, *Polyhedron*, **2016**, *110*, 197. (**Impact factor 2.011**, 10.1016/j.poly.2016.02.045)
33. Synthesis and structural characterization of new functionalized bis(fluorenyl)stannane derivatives. R. Șeptelean, P. M. Petrar, **A. Pop**, G. Nemeș, *Polyhedron*, **2016**, *109*, 154. (**Impact factor 2.011**, 10.1016/j.poly.2016.01.044)
34. New Stannepine derivatives. Synthesis and characterisation. L. Buta, R. Șeptelean, N. Deak, **A. Pop**, G. Nemeș, *Studia UBB Chemia*, **2016**, *LXI,* 3, 81. (**Impact factor 0.244**, WOS: 000393577300009)
35. New diorganochalcogen compounds based on the 2-(Me_2NCH_2)C_6H_4 group. B. Danciu, R. Popa**, A. Pop**, V. Zaharia, C. Silvestru, A. Silvestru, *Studia UBB Chemia*, **2016**, LXI, 3, Tom I, 19. (**Impact factor 0.244**, WOS: 000393577300003)
36. New hypervalent organoselenium compounds with O→Se intramolecular interactions. R. Popa, **A. Pop,** C. Silvestru, A. Silvestru, *Rev. Roum. Chim*., **2016**, 61, 6. (**Impact factor 0.2**, WOS: 000390618200002)
37. On the coordination chemistry of organochalcogenolates (RS^-, RSe^-, RS^O^- and RSe^O^-) with divalent tetrel elements (Ge, Sn and Pb). **A. Pop**, L. Wang, V. Dorcet, T. Roisnel, J.-F. Carpentier, A. Silvestru, Y.Sarazin, *Dalton Trans*., **2014**, *43*, 16459. (**Impact factor 4.097**, 10.1039/c3dt52886c)
38. Diorganochalcogen(II) ligands of type [$R_2C(OH)CH_2$](2-$Me_2NCH_2C_6H_4$)E (E = S, Se, Te; R = Me, Ph), and their silver(I) complexes. **A. Pop**, R. Mitea, A. Silvestru, *J. Organomet. Chem*., **2014**, *768*, 121. (**Impact factor 2.302**, 10.1016/j.jorganchem.2014.06.007)
39. Organoselenium(II) Halides Containing the Pincer 2,6-(Me_2NCH_2)$_2C_6H_3$ Ligand – An Experimental and Theoretical Investigation. **A. Pop**, A. Silvestru, E. J. Juárez-Pérez, M. Arca, V. Lippolis, C. Silvestru, *Dalton Trans*., **2014**, *43*, 2221. (**Impact factor 4.097**, 10.1039/c3dt52886c)
40. New diorganoselenium(II) compounds and their behavior toward late transition metals. **A. Pop**, D. Rosca, R. Mitea, A. Silvestru, *Inorg. Chim. Acta*, **2013**, *405*, 235. (**Impact factor 1.687**, 10.1016/j.ica.2013.06.003)
41. New group 11 complexes with metal – selenium bonds of methyldiphenylphosphane selenide: a solid state, solution and theoretical investigation. **A. Pop**, A. Silvestru, M. C. Gimeno, A. Laguna, M. Kulcsar, M. Arca, V. Lippolis, A. Pintus, *Dalton Trans*., **2011**, *40*, 12479. (**Impact factor 4.097**, 10.1039/c1dt11268f)
42. New triarylphosphane chalcogenides. Crystal and molecular structure of [2-(Me_2NCH_2)C_6H_4)]$_3$P=E (E = S, Se) and [2-(Me_2NCH_2)C_6H_4)]$_2$PhP=S. A. Rotar, A. Covaci, **A. Pop**, A. Silvestru, *Rev. Roum. Chim*., **2010**, *55*, 823. (**Impact factor 0.2,** WOS: 000291516200010)
43. New organophosphorus ligands with SPNSO skeleton and their copper(I) complexes. Crystal and molecular structures of ($SPPh_2$)(O_2SPh)NH, [(Ph_3P)$_2$Cu{($SPPh_2$)(O_2SMe)N}] and [(Ph_3P)$_2$Cu{($SPPh_2$)($O_2SC_6H_4$Me-4)N}]·0.5$C_6H_5CH_3$. **A. Pop**, A. Rotar, C. Rat, A. Silvestru, *Inorg. Chim. Acta*, **2008**, *361*, 255. (**Impact factor 1.833**, 10.1016/j.ica.2007.07.023)

Capitole în cărți publicate în străinătate

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1. *New manganese(II) complexes with tetraorganodichalcogeno-imidodiphosphin to ligands;* A. M. Preda, **A. Pop**, A. Silvestru and S. Farcas (poster); Advanced spectroscopies on biomedical and nanostructured systems; Cluj-Napoca, Romania, September 2006.
2. *New copper(I) complexes with organophosphorus ligands;* **A. Pop** (oral presentation); The International Conference Students for Students, 4th Edition, Cluj-Napoca, Romania, April 2007.
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4. *Solution behavior of hypervalent organo-selenium and -tellurium compounds;* A. Beleaga, C. Deleanu, M. Kulcsar, A. Nicolescu, A. Pöllnitz, **A. Pop** and A. Silvestru (poster); 11th Central and Eastern European NMR Symposium and Users Meeting, Cluj-Napoca, Romania, October 2009.
5. *Main group organometallic compounds – molecular species, oligomers and supramolecular networks;* **A. Pop**, A. Soran and C. Silvestru (oral presentation); Halchem, Sardinia, Italy, September, 2010.
6. *New group 11 metal complexes with triorganophosphane selenide ligands;* **A. Pop** and A. Silvestru (poster); The 12th Timisoara Academic Days, Timisoara, Romania, May 2011.
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8. *New ionic species containing hypervalent $[RSe]^+$ cations;* **A. Pop**, A. Silvestru and C. Silvestru (poster); XXV International Conference on Organometallic Chemistry ICOMC, Lisbon, Portugal, September 2012.
9. *Organoselenium compounds with NCN pincer ligands. Structure and chemical behavior,* **A. Pop,** R. A. Popa and A. Silvestru (poster), 5th EuCheMS Chemistry Congress, Istanbul, Turkey, September 2014.
10. *New multidentate macrocyclic ligands containing Se/S/N donor atoms and their late d-metal complexes;* **A. Pop** and A. Silvestru (poster); EuCOMC XXI, Bratislava, Slovakia, July 2015.
11. *New multidentate macrocyclic ligands containing N/Se or N/S donor atoms and their metal complexes,* **A. Pop**, (oral presentation); YRICCCE I, Cluj-Napoca, Romania, May 2016.
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13. *Group 12 Metal Complexes with Organoselenium Ligands*, **A. Pop**, A. Silvestru, C. Bellini and Y. Sarazin, (poster); ICCST-13 (International Conference on the Chemistry of Selenium and Tellurium), Gifu, Japan, May 2016.
14. *Synthesis, structural characterization and reactivity of new (E,N,E) pincer ligands*, **A. Pop** and A. Silvestru; (poster) WSeS-6 (Workshop of SeS Redox and Catalysis), Wrocław, Poland, September 2017.
15. *Design, synthesis and structural characterization of new potentially multidentate organoselenium ligands*, **A. Pop** and R. Suteu, (poster); SSCB-2017 (DAE-BRNS Symposium on Selenium Chemistry & Biology), Mumbai, India, November 2017.
16. *New luminescent compounds, based on the 4-arylidene-5(4H)-thiazolone scaffolds*, **A. Pop**, E. Urriolabeitia and C. Silvestru, (poster) WSeS-8 (Workshop of SeS Redox and Catalysis), Perugia, Italy, May 2019.
17. *New pincer ligands and their coordination behaviour*, **A. Pop**, D. Dumitraș and A. Silvestru (poster) ICCST-14 (International Conference on the Chemistry of Selenium and Tellurium), Cagliari, Italy, June 2019.

18. *The interaction of the light with ortho-palladated azlactones: different pathways*, E. P. Urriolabeitia, C. Cativiela, P. Sanchez**,** A. Pop, C. Silvestru *UK-SPAIN Organometallic Chemistry Symposium*, University of Alcalá, Alcalá de Henares, Madrid (Spain), Sept. 17-19, 2019.
19. *Synthesis of bis (amino acids) with cyclobutane skeleton through selective[2+2]-photocycloaddition of oxazolones and thiazolones*, S. Sierra, D. Dalmau, A. Pop, C. Silvestru, C. Cativiela, E. Urriolabeitia, *UK-SPAIN Organometallic Chemistry Symposium*, University of Alcalá, Alcalá de Henares, Madrid (Spain), Sept. 17-19, 2019.
20. *New organoselenium compounds - Synthesis, structural characterization and reactivity,* **A. Pop** and D. Dumitraș (flash presentation) 15th International Conference on the Chemistry of Se &Te, Florianópolis, Brazil, December 2022.
21. *Homoleptic diorganoselenium(II) compounds - Synthesis, characterization, reactivity, and investigation of optical properties,* WSeS-11 (Workshop of SeS Redox and Catalysis), Torun, Poland 25 – 26 July 2024.

Listă de comunicări invitate

1. *Organochalcogen compounds: synthesis, structural characterization, reactivity and optical properties*, Universidade Federal Fluminense, Brazil,12.09.2024.
2. *Organochalcogen compounds - synthesis, structural characterization, and reactivity*, Università degli Studi di Cagliari, Italy, 27.09.2023.
3. *Synthesis, structural characterization, and reactivity of organochalcogen compounds*, Universita di Pisa, Italy, 06.09.2023.
4. *Synthesis, structural characterization, and reactivity of organoselenium compounds***,** A. Pop, Se2023; 9th International Selenium conference focused on selenium chemistry, Biology, and medicine; Daejeon, Korea, June 2023.
5. *Studies on synthesis, structure and chemical reactivity of new organo-chalcogen compounds*, A. Pop, UniKL MICET, Malacca, Malaysia July 2018.