



Europass Curriculum Vitae



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Nationalitate Română
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LOCUL DE MUNCĂ VIZAT/ DOMENIUL OCUPAȚIONAL

**Universitatea "Babes-Bolyai", Facultatea de Chimie și Inginerie Chimică, Organic
Departamanetul de Chimie Organică, Profesor universitar emerit**

Experiență profesională

Perioada **1990-prezent**

Funcția sau postul ocupat 1968-1990, cercetător la Institutul de Chimie Cluj-Napoca, 1990-1993 lector, 1994-1996 conferențiar, 1996-2004 profesor, 2004 până în prezent profesor universitar emerit

Principalele activități și responsabilități. Predare/cercetare

Numele și adresa angajatorului Universitatea Babes-Bolyai, strada Kogalniceanueu nr.1, Cluj-Napoca, Romania

Principalele activități și responsabilități Predare-cercetare, chimie organică

Perioada 1990-2019

Numele și tipul de organizație carea a furnizat educația și instruirea Universitatea Babes-Bolyai, strada Kogalniceanueu nr.1, Cluj-Napoca, și Institutul de Chimie Cluj-Napoca

Clasificarea internațională standard a educației

Perioada 1970-1973

Titlul calificării onținute Doctor în chimie

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment
European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
(C1)	Expert	(C2)	Mastery	(C1)	Expert	(C1)	Expert	(C2)	Mastery
(A2)	Access	(B2)	Communicator	(A2)	Access	(A2)	Access	(B2)	Communicator

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences PHD leadership, ability to guide research teams

Organisational skills and competences Computer skill, guide researcher times, organic synthesis

Technical skills and competences List of scientific paper, see appendix 1, and list of research project, see appendix 2

Computer skills and competences WORD, Adobe Photoshop, Excel, PowerPoint, Paint, ChemWindow, ACD See, Internet. Data processing in HPLC technique (soft ChemWin), DESAGA AS30Win.

Artistic skills and competences Piano player

Other skills and competences Sky, tennis

Driving licence Category B

Additional information

Appendix

APPENDIX 1 Scientific publications
APPENDIX 4 Research projects

Appendix 1: SCIENTIFIC PUBLICATIONS

1. Scientific papers

Cited references of the personal published papers were searched on the follows data bases: SCI-EXPANDED, time span 1970-2003 and SCOPUS, GOOGLE-scholar and Web of Science time span 1995-2019. Total citations =1187, H-INDEX=13. On the all documents considered for the h-index, 13 scientific papers have been cited at least 13 times.

Personal scientific papers cited in books:

1. Phase Transfer Catalysis, E. V. Dehmlow, S. S. Dehmlow, Third Edition, VCH, Weinheim, New York, Basel, Cambridge, Tokyo 1995: a/international journal with numbers 5, 6, 7,11,13; b /national journals with numbers 16, 18.

2. Handbook of Phase Transfer Catalysis, Y. Sasson and R. Neumann (Eds), Blackie Academic & Professional, London, Weinheim, New-York, Tokyo, Melbourne, Madras, 1997: a/international journals with numbers 2,5,6,7,9,11,13; b/national journals with numbers 16, 23.
3. Synthesis of AND intercalands with potential antitumor properties. (Sinteze de intercalanzi in AND cu posibila activitate antitumorala), Presa Universitara Clujeana, Romania, 2013: a/ citations of my international journal papers with numbers 7, 16, 10, 24, 26, 27, 28, 29, 30; b/ citations of my national journal papers with numbers 80, 81, 82.
4. The chemistry of heterocyclic compounds, The naphthyridines, vol. 63, John Wiley & Sons, New Jersey, 2008, SUA, a/citations of my international journal papers with number 29.
5. Modern heterocyclic Chemistry, vol1., Ed. J. A. Builla, J., J. Vaquero, J. Barluenga, Wiley-VCH, Verlag & Co. KGa A, Weinheim 2011 Germany, a/citation of my international journal papers with number 29.
6. Dihydrogen bonds, principles, experiments and applications, V. I. Bakmutov, John Wiley and Sons Inc., 2008, New Jersey, SUA, a/citation of my international journal papers with number 33.
7. Mc Graw-Hill Science & Technology Dictionary, published by Mc Graw-Hill Companie, Inc., Copyright 2003 a/ citation of my international journal papers with number 35.
8. Cap. 17. "Construction of Self-Assembled nanostructures by means of Dihydrogen Bonding" M. Vlassa, R. Custelcean, J. E. Jackson in Nanostructures: Novel Architecture" M. Diudea Ed. Nova Science Publishers, Inc. New-York, 2005, citations =66.
9. Logica reactivității în chimia organică, M. Vlassa, M. Bucșa, doua volume, Presa Universitară Clujeană, 2010, citations= 2.

1a. International papers

1. Acridine-N-oxide V. Synthesis of some 1,2,3-trimethoxyacridine-N-oxide, M. Ionescu, M. Vlassa, I. Goia, *Journal f. prakt. Chem.*, 1972, 314, 441-446. Citations= 6
2. Application of PTC in the acridine series I. S-alkylation and S-acylation of thioacridone and some halogenated thioacridone derivatives, M. Vlassa, M. Kezdi, I. Goia, *Synthesis*, 1980, 850. Citations= 16
3. One-step synthesis of 3-oxo-4,4-dimethyl pentanoic esters from pivaloyl chloride and esters of malonic acid, M. Vlassa, A. Barabas, *Journal f. prakt. Chem.*, 1980, 322, 821. Citations= 7
4. Mass spectra of some β -keto esters, Z. Moldovan, N. Palibroda, V. Mercea, Gh. Mihailescu, M. Chiriac, M. Vlassa, *Org. Mass Spectrometry*, 1981, 16, 185. Citations= 14
5. The phase transfer synthesis of 2-aryloxy derivatives of 2-thiono-5,5-dimethyl-1,2,3-dioxaphosphorinanes, M. Vlassa, A. Barabas, *Journal f. prakt. Chem.*, 1984, 326, 1011. Citations= 6
6. Application of PTC in the acridine series III. A simple and convenient synthesis of 9-aminoacridine derivatives, M. Vlassa, M. Kezdi, *Journal f. prakt. Chem.*, 1985, 327, 521. Citations= 6
7. Application of PTC in the acridine series IV. Reaction of 9-chloroacridine derivatives with thiocyanate ion, M. Vlassa, M. Kezdi, *Journal f. prakt. Chem.*, 1985, 327, 1007. Citations= 6
8. A new separation and identification method of some organo-phosphorus pesticides by means of temperature programming gradient thin-layer chromatography, C. Marutoiu, C. Sarbu, M. Vlassa, C. Liteanu, P. Bodoga, *Analisis*, 1986, 14, 95. Citations= 9
9. Phase transfer alkylation of 2-arylsulfonylamido-2-thiono-5,5-dimethyl-1,2,3-oxaphosphorinanes, M. Vlassa, M. Kezdi, I. Fenesan, M. Bogdan, *Journal f. prakt. Chem.*, 1986, 328, 465. Citations= 8
10. Direct fluorescence detection of non-steroidal anti-inflammatory agents separated by TLC with 9-isothiocyanatoacridine derivatives, C. Sârbu, M. Vlassa, C. Marutoiu, *Chromatographia*, 1986, 21, 599. Citations= 12
11. Application of PTC in the acridine series V. Synthesis of thioacridones, M. Vlassa, M. Kezdi, *Journal f. prakt. Chem.*, 1987, 329, 141. Citations=2
12. Direct fluorescent detection of chromatographically separated amino-acids by means of 9-isothiocyanatoacridines, C. Sarbu. C. Marutoiu, M. Vlassa, C. Liteanu, *Talanta*, 1987, 34, 438. Citations= 10
13. S-Alkylation of thioacridone derivatives using PTC without solvent, M. Vlassa, M. Kezdi, *Org. Prep. and Procedure International*, 1987, 19, 433. Citations= 6
14. Separation and identification of organophosphorous pesticides in water by HPTLC, C. Marutoiu, M. Vlassa, C. Sarbu, C. Nagy, *J. of High Resolution Chromatography and CC.*, 1987, 465. Citations= 14
15. A new separation and identification method of some phytotoxics aminoacids by means of temperature programming gradient TLC, C. Marutoiu, C. Sarbu, M. Vlassa, *Analisis*, 1987, 15, 508. Citations= 1
16. A new rearrangement of heterocyclic isothiocyanates, M. Vlassa, I.A. Silberg, C. Afloroaei, *Heterocyclic Commun.*, 1994, 1, 55, Citations = 1.
17. SERS study of 9-methylacridine on silver soils, T. Iliescu, M. Vlassa, M. Caragiu, I. Marian, *J. Vibr. Spectroscopy*, 1995, 8, 451. Citations= 16
18. Reaction of π -deficient aromatic heterocycles with ammonium polyhalides I. Halogenation of acridone derivatives using benzyltrimethylammonium (BTEA) polyhalides. M. Vlassa, I. A. Silberg, R. Custelcean, M. Culea, *Synthetic Commun.*, 1995, 25, 3493. Citations= 11
19. Synthesis of dyines by means of phase transfer catalysis in the presence of Pd(II) catalyst, M. Vlassa, I.T. Ciocan, F. Margineanu, I. Oprean, *Tetrahedron.*, 1996, 52, 1337. Citations= 54
20. Microwave assisted acridone preparation using an inorganic acidic solid support, S.V. Filip, E. Surducan, M. Vlassa, I.A. Silberg, G. Jucan, *Heterocyclic Commun.*, 1996, 3, 431. Citations= 5
21. Microwave assisted phenothiazine preparation, S.V. Filip, E. Surducan, M. Vlassa, I.A. Silberg, *Synthetic Commun.*, 1998, 28, 337. Citations= 20
22. Reaction of π - deficient aromatic heterocycles with ammonium polyhalides II. Halogenation of phenothiazine with benzyltrimethylammonium (BTEA) polyhalides, R. Custelcean, M. Vlassa, I.A. Silberg, M. Szoke, S.I. Farcas, M. Culea, *Heterocyclic Commun.*, 1997, 4, 317. Citations= 5

23. Reaction of π - deficient aromatic heterocycles with ammonium polyhalides III. Halogenation of phenothiazine-5-oxide with benzyltrimethylammonium (BTEA) polyhalides, R. Custelcean, M. Vlassa, I. A. Silberg., *Monatshefte fur Chemie*, 1997, 128, 919. Citations= 6
24. Synthesis of 2-(arylamino)nicotinic acid derivatives, M. Vlassa, J. Barbe, P. Brouant, *Indian J. of Heterocyclic Chemistry*, 1997, 7, 149. Citations = 12
25. Application of PTC without solvent in organic synthesis IV. Selective O-alkylation hydroxy-diphenylamine derivatives, M. Vlassa, I.A. Silberg, L. Gaina, *Journal f. prakt. Chem.*, 1998, 340, 576.
26. A new detection of some organophosphorous pesticides separated by TLC, C. Marutoiu, V. Coman, M. Vlassa, R. Constantinescu, *J.Liq.Chrom. and Rel. Technol.*, 1998, 21, 2143. Citations=4
27. Microwave assisted phenothiazines preparation by thionation of diphenylamines. I.A.Silberg, I. Surducian, M. Vlassa, V. Surducian, *Synthetic Commun.*1988, 22,(2), 337-345. Citations = 22
28. Application of PTC in the acridine series VII. Synthesis of 9-cyanoacridine derivatives, M.Vlassa, C. Afloroaei, N. Dulamita, P. Brouant, J. Barbe, *Heterocyclic Commun.*, 1999, 6, 51, Citations =22.
29. Microwave action on 2-(arylamino) nicotinic acid derivatives, C. Afloroaei, M. Vlassa, Bencze Agnes, P.Brouant, J. Barbe, *Heterocyclic Commun.*, 1999, 5, 249. Citations=7.
30. Synthesis of new bis(2,4-dimethyl-5-amino-benzo[b][1.8] naphthyridines) and bis(benzo[b][1.8]naphthyridones) linked by methylene linear chain, C. Afloroaei. N. Dulamita. M. Vlassa, J. Barbe, P. Brouant, *J. of Heterocyclic Chemistry*, 2000, 37, 1. Citations=7
31. Formation of extended tapes of cyclic water hexamers in an organic molecular host, R. Custelcean, C. Afloroaei, M. Vlassa, M. Polverejan, *Angew.Chem., Int. Ed.*, 2000, 39, 3094. Citations =291
32. Toward crystalline covalent solids crystal-to-crystal dihydrogen to covalent bonding transformation in sodium borohydride. TMEC, R. Custelcean. M. Vlassa, J. E. Jackson, *Angew. Chem., Int. Ed.*, 2000, 39, 3299. Citations= 22
33. The crystal and molecular structure of the 2,4,6,8-tetra-t-butyl-phenothiazine.0.5 benzene adduct. I. Silaghi-Dumitrescu, I. A. Silberg, S. Filip, M. Vlassa, S. Hernandez-Ortega, *J. Molec. Structure*, 2000, 526, 279. Citations = 3
34. Supramolecular synthesis through dihydrogen bonds: self-assembly of controlled architectures from NaBH₄. Poly (2-hydroxyethyl)cyclen building blocks, R. Custelcean, M. Vlassa, J.E. Jackson, *Chem. Eur. J.*, 2002, 8, 302. Citations=26
35. Synthesis and characterization of 4,10- dimethyl- 1,4,7,10,15,18-hexaazabicyclo [8.5.5]octane. Crystal structures of the cryptate and of the first small azacage complex with six-coordinate lithium geometry, M. Vlassa, R. Huang, J. E. Jackson, J.L. Dye, *Tetrahedron*, 2002, 58, 5849. Citations=6
36. Inverse Sodium Hydride: a crystalline salt that contains H⁺ and Na⁻, M.Y. Redko, M. Vlassa, J. E. Jackson, A. W. Misiolek, R. H. Huang, J. L. Dye, *J. Am. Chem. Soc.*, 2002, 124, 5928. Citations=41`
37. Synthesis of 1,7-di(2'-aminoethyl)-4,10-dimethyl-1,4,7,10-tetraazacyclodecane, M. Vlassa, C. Afloroaei, *Heterocyclic Commun.*, 2003, 9, 355. Citations= 8
38. Synthesis of aldehydes and ketones by dehydrogenation of alcohols in the presence of a Raney nickel/aluminium isopropoxide/alumina catalyst, I. Ciocan Tarta , I. A. Silberg, M. Vlassa, I. Oprean, *Cent. Eur.J. Chem.*, 2004, 2, 214. Citation =1.
39. A convenient method for aza-crown ethers preparations, G. Blăniță, M. Bucșa, M. Vlassa, *Synthetic Commun.*, 2006, 36, 1569. Citations=3
40. The effect of solution/free volume ratio on the MOF-5 characteristics, G. Blanita, D. Lupu, M. Lazar, A.R. Biris, V. Pascalau, O. Ardelean, I. Coldea, I. Misan, G. Popeneciu M. Vlassa, *J. of Physics: Conference series*, 2009, 182, 012047.
41. Identification and measurement of pesticide contaminants in food products by electron impact GC/MS. F. Tusa, Z. Moldovan, M. Vlassa, *J. of Physics: Conference series*, 2009, 182, 012043, Citations =3.
42. A comparative study concerning estimated and computed partition coefficients of some precursors of peraza crown ethers, C. Onișor, G. Blăniță, M. Coroș, M. Bucșa, M. Vlassa C. Sarbu, *Cent. Eur. J. Chem*, 2010, 8, 203. Citations = 5.
43. Spectroelectrochemical studies of 9-substituted acridines with potential antitumor activity, O. Marian, N. Bonciocat, C. Cristea, R. Sandulescu, M. Bucsa, M. Vlassa, , *Electro Analysis*, 2010, 22, 542. Citations = 2.
44. Synthesis and Characterization of Coordination Polymers Prepared from Cu II and Ni II Cyclam Perchlorate and Carmoisine, M. Vlassa, G. Borodi, G. Blanita, I. Cojocar, M. Vlassa, *Cent. Eur. J. Chem.*, 2011, 9, 224. Citations=2
45. The Ring-Chain Tautomeric Equilibria of Selenium Macrocyclic Compounds: The Isolation of the Ring Tautomer, Monica Bucșa, Alpar Pollnitz, Richard Varga, Anca Silvestru, Adrian Părnău, Mircea Vlassa, *Dalton Trans.* 2012; 41, 4506, DOI: 10.1039/C2DT11749E, Citations = 5.
46. Supported H₄SiW₁₂O₄₀ Catalyst for α -Pinene Isomerization, J-Z Szucs-Balazs, M. Coros, A. Woiczehowski-Pop, G. Blanita, M. Vlassa, *Cent. Eur. J Chem.*, 2012, 9,224. Citations = 4
47. Analysis of Flavor Compounds by GC/MS after Liquid-Liquid Extraction from Fruit Juices. F. D. Tușa, Z. Moldovan, G. Schmutzer, D.A. Magdaș, A. Dehelean and M. Vlassa, *American Institute of Physics: Conference Series AIP Conf. Proc.* 2012,1425: 53-57..
48. Hydrogen bonded 3D supramolecular architecture of {[Cu(1,3,6,8,11,14-hexaazatricyclooctadecane)₂](TCM)}₂·11H₂O, Mihaela Vlassa, Gh. Borodi, C. Silvestru, M. Vlassa, *Cent. Eur. J. Chem.*, 2014, 12, 14.
49. Determination of Pesticides, Elements and Isotopes in Strawberries. F.D. Covaciu, Z. Moldovan, A. Dehelean, D.A. Magdas, I.C. Feherm R. Puscas si M. Vlassa, *Analytical Letters*, 2016, 49 (16): 2560-2572. DOI: 10.1080/00032719.2016.1140175.

1b. In romanian journals

50. Stabilitatea latexurilor sintetice, M. Vlassa, *St.cerc.Chim.*, 1967, 15, 635.
51. Stabilitatea electrolitica a latexurilor alfa-metilstirenice, I. Muresan, L. Zador, M. Vlassa, *Studia UBB, Chemia, Fasc.2*, 1968, 67.
52. Alkaloids of Haplophyllum Suaveolens, M. Ionescu, M. Mester, M. Vlassa, *Rev. Roum.Chim.*, 1968, 13, 1643. Citations=6
53. The chlorination of iodo-acridones, M. Ionescu, I. Goia, M. Vlassa, *Rev. Roum. Chim.*, 1970, 15, 1785. Citations=4

54. Contributia spectroscopiei RMN la elucidarea structurii si conformatiei alcaloizilor piridinice, piperidinice si monoterpenei, M. Vlassa, *St. Cerc. Chim.*, 1970, 18, 1109. Citations=3
55. Utilizarea spectroscopiei RMN pentru studierea alcaloizilor din Rutaceae, derivati biogenetici ai acidului antranilic, M. Vlassa, *St. Cerc. Chim.*, 1971, 19, 515. Citations=3
56. Alkaloids of Hapophyllum Suaveolens, M. Ionescu, M. Vlassa, I. Mester, *Rev. Roum. Chim.*, 1971, 16, 123.
57. Acridones XL. Synthesis of some 1,2,3-trimethoxyacridones, M. Ionescu, M. Vlassa, *Rev. Roum. Chim.*, 1971, 16, 743. Citations=7
58. Alkaloids of Haplophyllum Suaveolens (DC) G. Don IV. Alkaloids in the organs of H. Suaveolens, M. Ionescu, M. Vlassa, I. Mester, E.C. Vicol, *Rev. Roum. Biochim.*, 1971, 8, 123. Citations=3
59. Electronic structure of 1,2,3-trimethoxyacridones, M. Vlassa, M. Ionescu, J. Fabian, *Rev. Roum. Chim.*, 1973, 18, 99. Citations=3
60. The electronic spectrum of 1,2,3-trimethoxyacridine-N-oxide, M. Vlassa, M. Ionescu, J. Fabian, *Rev. Roum. Chim.*, 1974, 19, 665.
61. Proton magnetic resonance of some 1,2,3-trimethoxyacridines, M. Vlassa, *Rev. Roum. Chim.*, 1974, 19, 1503. Citations=3
62. Exo- and endohormones I. Application of the ketoxime activation to the synthesis of melanocyte inhibiting factor, M. Vlassa, *Rev. Roum. Chim.*, 1976, 21, 455. Citations=1
63. Exo- and endohormones II. Synthesis of peptidic juvenile hormones analogues, M. Vlassa, *Rev. Roum. Chim.*, 1976, 21, 897. Citations=1
64. Amidation with bis(alfa-arylamino benzyl)-disulfides, M. Vlassa, F. Hodosan, *Rev. Roum. Chim.*, 1977, 22, 1111. Citations=4
65. Application of PTC in the acridine series II. Synthesis of some acridine ethers. M. Vlassa, M. Kezdi, *Rev. Roum. Chim.*, 1984, 29, 461. Citations=2
66. Utilizarea 9-izocianatilor de acridina ca si reactivi de fluorescenta, C. Sarbu, M. Marutoiu, M. Vlassa, *Rev. Chim.* 1988, 39, 164. Citations=2
67. Alkylation of phenothiazine using solid-liquid PTC without solvent, M. Vlassa, M. Cenan, *Rev. Roum. Chim.*, 1988, 33, 195. Citations=7
68. Preparation of N-alkyl-phthalimides using solid-liquid PTC without solvent, M. Vlassa, M. Kezdi, M. Fenesan, *Rev. Roum. Chim.*, 1989, 34, 1607. Citations=2
69. A new separation and identification of naphazoline hydrochloride, C. Măruțoiu, I. Gheban, M. Vlassa, *Studia UBB, Chemia, fasc. 2*, 1989, 35.
70. Separarea și identificare unor alcaloizi din apa, C. Marutoiu, L. Roman, V. Coman. P. Bodoga, M. Vlassa, *Rev. Chim.*, 1990, 41, 281. Citations=3
71. The mass spectra of some 1,2,3-trimethoxyacridine derivatives, M. Vlassa, I. Oprean, I. Hopartean, *Rev. Roum. Chim.*, 1993, 38, 1051.
72. Application of PTC in the acridine series VI. Preparation of some 9-vinylacridine derivatives, M. Vlassa, I.A. Silberg, C. Molnariu, *Rev. Roum. Chim.*, 1994, 39, 315. Citations=3
73. Alkylation of phenothiazines using liquid-solid PTC, without solvent, M. Vlassa, M. Cenan, C. Afloroaei, *Studia UBB, Chemia*, 1994, 65.
74. Mass spectrum of 3-phenyl-2,1-benzisoxazole., I. Hopartean, M. Vlassa, *Studia UBB, Chemia, fasc. 1-2*, 1994, 137.
75. Cataliza prin transfer interfazic fara utilizarea solventilor, M. Vlassa, M. Kezdi, M. Fenesan, C. Molnariu, *Rev. Chim.*, 1994, 45, 127.
76. Mass spectra of some 3-phenyl-2,1-benzisoxazoles, I. Hopartean, I. Oprean, M. Vlassa, M. Zaharia, *Rev. Roum. Chim.*, 1995, 40, 23.
77. Raman, IR and SERS studies of 2,4-diamino-6-phenyl-1,3,5-triazine, S. Canta, T. Iliescu, M. Vlassa, M. Venter, I. Marian., *Studia UBB, Physica*, 1995, 3.
78. Synthesis of ketones by Oppenauer oxidation, I.T. Ciocan, I. Oprean, I.A. Silberg, M. Vlassa, *Rev. Roum. Chim.*, 1999, 44, 45. Citations=2
79. An improved synthesis of 1,7-dioxo-4,10-diazacyclododecane, C. Afloroaei, M. Vlassa, *Studia Universitatis Babeș-Bolyai, Chemia, XLVII*, 1-2, 2002, 51.
80. Application of phase transfer catalysis (PTC) without solvent in organic synthesis, V. Selective N-alkylation of 1,2-di(9-acridyl)hydrazine, M. Vlassa, C. Afloroaei, *Acta Universitatis Cibiniensis Seria f Chemia 5*, 2002, 1, 51.
81. Application of phase transfer catalysis in acridine series VII. Synthesis of 9-(1,2,3-triazol-1-yl)acridine, C. Afloroaei, M. Vlassa, *Studia Universitatis Babeș-Bolyai, Chemia, XLVII*, 1-2, 2002, 55.
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87. Synthesis of new functionalized macropolycyclic ligands based on triazacyclononane and tetraazacyclododecane, G. Blanita, M. Bucsa, M. Coros, M. Vlassa, *Rev. Roum. Chim.* 2008, 53, 15, Citation =2.
88. Materiale de stocare a hidrogenului - rezultate si perspective, D. Lupu, M. Vlassa, G. Blanita, G. Filoti, P. Palade, A.R. Biris, I. Misan, O. Ardelean, în *Programul de cercetare de excelenta 2005-2008, MENER 2008*, energie, 4-7 septembrie 2008, Sinaia, Romania, pag.10-17.
89. Heterocycles 21. Reaction of 2-phenyl-thiazol-4-carbaldehyde with 2-bromo acetophenone. V. Zaharia, A. Silvestru, P. Verite, M. Vlassa, S. Imre, C. Silvestru, *Rev. Roum. Chim.* 2008, 59, 1249, Citations = 2.

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91. Synthesis of new substituted polyamines, M. Coros, D. Domide, M. Vlassa, C. Silvestru, A. Soran, *Rev. Roum. Chim.* 2010, 55, 803.
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Ic. PATENTS

1. Metoxiacridine, M. Ionescu, M. Vlassa, Brevet Rom. nr. 57902/1974.
2. Procedeu de preparare a furazolidonului, I.Goaia, M. Vlassa, I. Mester, Brevet Rom. nr 59459/1975.
3. Procedeu de preparare a 3-metil-2-ciclohexan-1-onei, M. Vlassa, F. Hodosan, I. Ceianu, Brevet Rom. nr 67286/1978.
4. Procedeu de preparare a D,L-lisinei, M. Vlassa, M. Osz., Brevet Rom. nr 69150/1976.
5. Procedeu de preparare a 9-azido-acridinelor, M. Vlassa. Brevet Rom. nr.67301/1978.
6. Procedeu de preparare a pivaloil etil acetatului, M. Vlassa. Brevet Rom. nr. 70818/1979,
7. Procedeu de preparare a dietilmalonatului, M. Vlassa. Brevet Rom. nr. 70819/1979.
8. Procedeu de preparare a clorurii de pivaloil, M. Vlassa. Brevet Rom. nr. 70911/1979.
9. Procedeu de preparare a acidului trimetilacetic, M. Vlassa. Brevet Rom. nr. 70912/1979.
10. Procedeu de preparare a esterilor acidului malonic, M. Vlassa, A. Botar. Brevet Rom. nr. 70895/1979.
11. Procedeu de preparare a 1,10-decandiolului, M. Vlassa. Brevet Rom. nr. 72083/1979.
12. Metode pentru cresterea viermilor de matase, LA. Floca, O.P. Gherghel, M.F. Cristea, M. Vlassa, F. Hodosan, Brevet Rom. nr.74623/1980.
13. Procedeu de preparare a benzilaminei, M. Vlassa. Brevet Rom. nr. 76493/1981
14. Procedeu de purificare a pivaloil ceto-esterilor, M. Vlassa. Brevet Rom. nr.76599/1981.
15. Procedeu de preparare a esterului metilic al acidului D-arabinohexulosonic, M. Vlassa. Brevet Rom. nr. 76598/1981.
16. Procedeu de preparare a diesterilor acidului sebacic, I. Ciuraru, M. Vlassa. Brevet Rom. nr. 77734/1981.
17. Procedeu de preparare a 1,10-decandiolului, M. Vlassa, A. Botar, L. Pop. M. Kezdi, Brevet Rom. nr. 81976/1983.
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23. Procedeu de preparare a esterului metilic al acidului 2-cetogluconic, M. Vlassa. Brevet Rom. nr. 86749/1987.
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26. Procedeu de preparare a octadecenei, M. Vlassa, Brevet Rom. nr. 98467/1989
27. Compozite structuri metal-organice poroase/ structuri de carbon pentru stocarea hidrogenului, G. Blanita, D. M. Lupu, M. Vlassa, A. R. Biris, I. Misan, G. Popeneciu, I. D. Coldea, O. N. Ardelean, Cerere de brevet de inventie nr A/00400 din 21.05.2009
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29. Procedeu de prepararea a unor composite cu structuri metal organică /structuri de carbon. G. Blanita, D. M. Lupu, O. N. Ardelean, M. Lazar, G. Borodi, M. Vlassa, I. Misan, I. D. Coldea, A. R. Biris, G. Popeneciu. Brevet de invenție Nr.126098 din 24.09.2009.
30. Energetic mixture of water and hydrocarbons, has preparing sonicated fluid consisting of specific volume of water, Soporan V.F., Vlassa M., Ienciu M, Ro Patent, Ro 128745-A2, 2013
31. Compozite structure metal-organice poroase/structure de carbon pentru stocarea hidrogenului și procedeu de obținere a acestora, G.Blăniță, D.Lupu. M.Vlassa, A.Biriș, I.Misan, G.Popeneciu, I.D.Coldea, O.Ardelean, Brevet de invenție nr. 125846 din 2014.

Appendix 2. CONFERENCES

a. INTERNATIONAL SYMPOSIUM

1. First Conference on Organic and Bio-organic Chemistry of Young Scientists, Bechyne, Cehoslovacia, 1980.
2. 3-rd Conference on Organic and Bio-organic Chemistry of Young Scientists, Bechyne, Cehoslovacia, 1984.
3. Balkan Chemistry Days, Varna, Bulgaria, 1985.
4. 3-rd Blue Danube Symposium on Heterocyclic Chemistry, Sopron, Ungaria, 1993.

5. The 7th International Conference of Phenothiazines and Structurally Related Compounds, Marsilia, Franta, 1993.
6. 4-th Blue Danube Symposium on Heterocyclic Chemistry, St. Polten, Austria, 1004.
7. 5-rd Blue Danube Symposium on Heterocyclic Chemistry, Casta-Papiernicka, Slovacia, 1995.
8. XXIII European Congress on Molecular Spectroscopy, Balaton Fured, Ungaria, 1995.
9. 36-th IUPAC Congress, Geneva, Switzerland, 1997.
10. 13-th Annual CFMR Symposium, East Lansing, Michigan, SUA, 1999.
11. 14-th Annual CFMR Symposium, East Lansing, Michigan, SUA, 2000.
12. 3rd International Conference of the Chemical Societies of the South-Eastern Countries on Chemistry ion the New Millennium-an Endless Frontier, September 22-25, 2002, Bucharest, Supramolecular synthesis using dihydrogen bonding, M. Vlassa.
13. 4th International Conference of the Chemical Societies of the South-Eastern Countries on Chemical Sciences in Changing Times: Visions, Challenges and Solutions Belgrad July 18-21, 2004. Toward Crystalline Covalent Solids: Crystal-to-Crystal Dihydrogen to Covalent Bonding Transformation in Sodium Borohydride-THECN and sodium borohydride-THBCN, G. Blanita, M. Vlassa.
14. Drug Analysis 2006, May 16-19, 2006, University of Namur, Belgium, Organized by Belgian Society of Pharmaceutical Sciences, poster, "Spectroelectrochemical studies of 9-substituted acridine N-oxides with potential antitumor activity" I.O. Marian, C. Cristea, R. Sandulescu, M. Bucsa, M. Vlassa.
15. The XXII International Conference on Organometallic Chemistry—ICOMC 2006, 23-28 Jul., 2006. New Hypercoordinated organoantimony(III) and bismuth(III) compounds containing intramolecular N-M interactions. L. Opris, M. Nema, D. Domide, M. Vlassa, C. Silvestru.
16. TARGUL INDUSTRIAL INTERNATIONAL HANNOVER MESSE, GERMANY, 21-25 aprilie 2008. Metal-organic frameworks and H spillover catalysts in composites for hydrogen storage at ambient temperature G. Blanita, D. Lupu, M. Vlassa, A. Biris, V. Almasan, I. Coldea, G. Popeneciu, I. Misan.
17. 4 -eme EDITION-SALON EUROPEEN DE LA RECHERCHE & DE L'INNOVATION Paris, 5-6 June 2008. Metal Organic Frameworks and hydrogen spillover catalysts in composites for hydrogen storage at ambient temperature. G. Blanița, D. Lupu, M. Vlassa, A. Biris, I. Misan, St. Simon.
18. PROCESSES IN ISOTOPES AND MOLECULES 2009, September 24-26, Cluj-Napoca, ROMANIA, Identification and measurement of pesticide contaminations in food products by electron impact GC/MS, F. Tusa, Z. Moldovan and M. Vlassa.
19. PROCESSES IN ISOTOPES AND MOLECULES 2009, September 24-26, Cluj-Napoca, ROMANIA, The effect of solution/free volume ratio on the MOF-5 characteristics, G. Blanita, D. Lupu, M. Lazar, A.R. Biris, V. Pascalau, O. Ardelean, I. Coldea, I. Misan, G. Popeneciu and M. Vlassa.
19. 9th INTERNATIONAL SYMPOSIUM OF THE ROMANIAN CATALYSIS SOCIETY, RomCat 2010, Iune 23-26 2010, Iasi, Romania, Pleading for metal-organic frameworks, G. Blanita, O. Ardelean, D. Lupu, G. Borodi, M. Mihet, M. Vlassa, I. Misan, I. Coldea, G. Popeneciu.
20. INTERNATIONAL CONFERENCE OF THE CHEMICAL SOCIETIES OF THE SOUTH EASTERN EUROPEAN COUNTRIES, ICOSESCS 7, Bucuresti, September 15 th-17th, 2010. Synthesis and Characterization of coordination polymers obtained from Cu^{II} and Ni^{II} cycalm perchlorate and carmoisine, M. Vlassa, G. Borodi, A. Biris, A. Bende, G. Blanita, D. Lupu, M. Vlassa, C. Silvestru.
21. 2nd INTERNATIONAL CONFERENCE ON METAL-ORGANIC FRAMEWORKS AND OPEN FRAMEWORKS COMPOUNDS, Sept. 5-8-, 2010, Marseille France. Microwave synthesis of MOFs under atmospheric pressure., G. Blanita, D. Ardelean, D. Lupu, D. Lazar, G. Borodi, A. Biris, M. Vlassa, E. Surducun, I. Coldea, I. Misan, V. Surducun, G. Popeneciu.
22. INTERNATIONAL CONFERENCE ON ANALYTICAL METHODS FROM BIOMEDICAL AND ENVIRONMENTAL SCIENCES IC-ANM,BES, BRASOV, ROMANIA, JUNE 18-29th, 2010, Analytical method for identification and measurement of pesticide traces in food products by GC/MS system. F.D. Tușa, Z. Moldovan. M. Vlassa.
23. 16thEUROPEAN CONFERENCE ON ANALITICAL-CHEMISTRY-EUROanalysis 16. „CHALLENGES IN MODERN ANALYTICAL CHEMISTRY” . Belgrade, Serbia, September 11-15th, 2011. The characterization of some commercial Romania fruit juices using mass spectrometry methods (IRNMS, GC/MS and ICP-MS. F.D. Tușa, Z. Moldovan, D.A. Magdaș, A. Dehelean, M. Vlassa.
24. PROCESSES IN ISOTOPES AND MOLECULES, CLUJ-NAPOCA, ROMANIA, SEPTEMBER, 29th –OCTOBER 1th, 2011. Analysis of flavor compounds by GC/MS after liquid-liquid extraction in comercial fruit juices , F.D. Tușa, Z. Moldovan, G. Schmutzer, D.A. Magdaș, A. Dehelean, M. Vlassa.
25. INTERNATIONAL CONFERENCE ON ANALYTICAL METHODS FROM BIOMEDICAL AND ENVIRONMENTAL SCIENCES IC-ANM,BES, BRASOV, ROMANIA, May, 24-27th, 2012. Analysis of pesticides by CS/MS after liquid-liquid extraction in commercial fruit juices from Romania, F.D. Tușa, Z. Moldovan, V. Mirel, M. Vlassa.
26. PROCESSES IN ISOTOPES AND MOLECULES, CLUJ-NAPOCA, ROMANIA, SEPTEMBER 23-25th, 2015, Comparison among strawberries grown in different countries from pesticides, heavy metals and stable isotope content point of view. F.D. Covaciu, Z. Moldovan, A. A. Dehelean, D. A. Magdas, I. C. Feher, R. Puscas, M. Vlassa.

b. NATIONAL SYMPOSIUM (SELECTION)

1. M. Vlassa. Cataliza de transfer interfazic: trecut, prezent si viitor. Conferință plenara. Sesiunea de Comunicari Stiintifice, Calimanesti, 1987.
2. M. Vlassa, I.A. Silberg, C. Afloroaei, O noua reacție de transpoziție a izotiocianatilor heterociclici, Conferința Națională de Chimie si Inginerie Chimica, Bucuresti, 1993.
3. M. Vlassa, Efectul solvenților ca un rezultat al interacțiunii orbitalilor moleculari de frontieră, a 19-a Sesiune de Comunicari Stiintifice, Călimănești, 1993.
4. M. Vlassa, Principiul de clasificare al reacțiilor complexe și teoria stării de tranziție contractate, a 21-a Sesiune de Comunicari Stiintifice, Călimănești—Căciulata, 1995.

5. M. Vlassa, Reactivitatea nucleofilă. Conferința plenară. A XXIII-a Sesiune de Comunicări Stiințifice, Căciulata, 1997.
6. A XXXVII-a Sesiune de Comunicări Stiințifice, Căciulata, Octombrie 2002.
7. A XXVIII-a Conferință Națională de Chimie Călimănești, Vâlcea, 6-8 octombrie 2004. Obținerea de materiale covalente cu structură cristalină: transformarea cristal-cristal a unor materiale ce conțin legături de dihidrogen în legături covalente, G. Blanita, M. Bucsa, M. Vlassa
8. A XXXI-a Conferință Națională de Chimie, Călimănești-Căciulata, Octombrie 2010. Selective complexation of funcțioalizated aza-crown ethers. M. Bucsa, M. Vlassa, A. Silvestru, R. Varga, D. K. Demertzi.

Appendix 3. VISITING PROFESSOR

1996, 4 months at Faculty of Pharmacie, Marseille, France

1998-2001, 3 years and half at Michigan State University, East-Lansing, Michigan, USA.

Appendix 4. VISITING PROFESSOR, CONFERENCES

1. Michigan State University, USA, 7 August, 1998.
2. University of Chicago, USA, 14 August, 1998.
3. University of Detroit, 20 August, 1998

Appendix 5: RESEARCH PROJECTS

1. Reacții de glicozilare regioselectivă a unor baze purinice și pirimidinice prin cataliză de transfer de fază lichid-solid fără adăugare de solvent, nr. 4107GR/B1 1997, încheiat cu MCT. Director de proiect M. Vlassa.
2. Sinteze neconvenționale de compuși heterociclici și organometalici, grant nr. 4009/A2, 1998, încheiat cu MCT. Director de proiect M. Vlassa.
3. Sinteze de intercalanți în ADN, grant nr. 70, cod CNCIS 112, nr. contract 32575/1999. Director de proiect M. Vlassa.
4. Studii privind asamblarea topochimică a unor materiale covalente folosind legătura de dihidrogen Contract CERES 54/13.11.2002. Director de proiect M. Vlassa.
5. Auto-asamblarea unor structuri cu arhitectură controlată folosind ca și unități de construcție complecși ai borohidruului cu diverși aza eteri coroană, grant CNCIS, Cod 360, 2004. Director de proiect M. Vlassa.
6. Materiale avansate de stocare a hidrogenului pentru alimentarea pililor de combustie, grant CEEEX, responsabil de proiect M. Vlassa 24.07.2006-2008.
7. Compozite pentru stocarea hidrogenului la temperatura ambianță - surse de energie curată destinată pililor de combustie COST-H", responsabil de proiect M. Vlassa, 2009-2011.
8. Contract de cercetare științifică, dezvoltarea tehnologică și asistența tehnică încheiat cu TERPENA SRL ORASTIE. Studierea reacțiilor de transpoziție care apar în timpul sintezei pe derivați terpenici, director de proiect M. Vlassa, 2011-2015.
9. Contract de cercetare științifică, dezvoltarea tehnologică și asistența tehnică încheiat cu TERPENA SRL ORASTIE. Studierea reacțiilor de transpoziție care apar în timpul sintezei pe derivați terpenici, director de proiect M. Vlassa, 2016-2020

Appendix 6. BOOKS AND LECTURERS

Books and lectures

- 1.1 Cataliză prin transfer interfazic. Aplicații în chimia organică, M. Vlassa, M. Kezdi, M. Strajescu, F. Teodor, Editura Dacia, Cluj, 1983.
- 1.2 Teoria reactivității compușilor organici. M. Vlassa, I.A. Silberg, 2 volume, Editura Conphys, Rm.-Valcea, 1993, 1995, ISBN 973-9334-03-2 și 973-9334-02-4 vol 1.
- 1.3 Teoria reactivității compușilor organici. M. Vlassa, I.A. Silberg, 2 volume, Editura Conphys, Rm.-Valcea, 1993, 1995, ISBN 973-9334-03-2 și 973-9334-02-4 vol 2.
- 1.4 Contribuții la "Enciclopedia de Chimie" vol 7 (F-G) M. Vlassa, Editura Zecasin, București, 1997.
- 1.5 Cap. 17. "Construction of Self-Assembled nanostructures by means of Dihydrogen Bonding" M. Vlassa, R. Custelcean, J. E. Jackson în "Nanostructures: Novel Architecture" M. Diudea Ed. Nova Science Publishers, Inc. New-York, 2005, citații 86
- 1.6 Logica reactivității în chimia organică, M. Vlassa, M. Bucșa, vol. I, Presa Universitară Clujeană, 2010.
- 1.7 Logica reactivității în chimia organică, M. Vlassa, M. Bucșa, vol. II. Presa Universitară Clujeană, 2010.
- 1.8 Exerciții de chimie organică, M. Vlassa, S. Mager, D. Kovacs, C. Molnariu, litografia Universității "Babeș-Bolyai" Cluj, 1995.
- 1.9 Teoria reactivității compușilor organici (discuțată cu ajutorul teoriei orbitalilor moleculari) M. Vlassa, volumul 1, litografia Universității "Babeș-Bolyai" Cluj, 1996-1997.
- 1.10 Teoria reactivității compușilor organici (discuțată cu ajutorul teoriei orbitalilor moleculari) M. Vlassa, volumul 2, litografia Universității "Babeș-Bolyai" Cluj, 1996-1997.
- 1.11 Teoria reactivității compușilor organici, (discuțată cu ajutorul teoriei legăturii de valență) M. Vlassa, litografia Universității "Babeș-Bolyai" Cluj Napoca, 1998

Appendix 6. CITATION OF MY SCIENTIFIC ACTIVITY

- a. *Marquis Who's Who*, SUA, years: 2006-2015
- b. *Hubner Who's Who*, Switzerland, years: 2006-2015
- c. My biography was enclosed in the *Dictionary of International Biography*-38th Edition, 2015-2017

Cluj-Napoca, 9. 07. 2019

Prof. emerit, dr. Vlăsa Mircea