



Curriculum vitae Europass

Informații personale

Nume / Prenume MICLAUS, VASILE
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Naționalitate(-tăți) Romana
Data nașterii 25.04.1959

Experiența profesională

Perioada 1989 - prezent
Funcția sau postul ocupat 2001 - prezent - conferentiar
1997-2001 - lector
1989-1997 - asistent
Activități și responsabilități principale activitati didactice si cercetare stiintifica
Numele și adresa angajatorului Facultatea de Chimie și Inginerie Chimică Universitatea Babeș - Bolyai, Cluj– Napoca
Tipul activității sau sectorul de activitate Predare cursuri si lucrari de laborator
Cercetare in sinteza organica fina si analize spectrale
Perioada - oct. - dec.1998, bursa Comunitatea Europeana
- mai 1995 – nov. 1996; dec. 1999 – mar. 2000; mai – iulie 2005; - burse DAAD,
Funcția sau postul ocupat Cercetator
Activități și responsabilități principale Sinteza de biomarkeri, compusi marcati
Chimia troposferica a ozonului, spectroscopie RMN, RES
Numele și adresa angajatorului Universitatea Karlsruhe(TH), Lehrstuhl fur Umweltmesstechnik, Prof. Dr. Andre M. Braun,
Universitatea Karlsruhe (TH), Bereich Petrochemie, Prof. Dr. K.Griesbaum
Tipul activității sau sectorul de activitate Cercetare in sinteza organica fina si analize spectrale
Perioada 1984-1990
Funcția sau postul ocupat Inginer tehnolog
Activități și responsabilități principale Organizare si coordonare sinteza chimica de componente active in medicamente
Numele și adresa angajatorului Intreprinderea de Medicamente Terapia Cluj-Napoca; sectiile: Sinteza I, SMFO, Hormoni
Tipul activității sau sectorul de activitate Sinteza fina organica industrială

Educație și formare

Perioada 1992 - 1998
Calificarea / diploma obținută Diploma de doctor in chimie
Disciplinele principale studiate / competențe profesionale dobândite Studiul heterociclurilor pentaatomice cu oxigen
Numele și tipul instituției de învățământ / furnizorului de formare Facultatea de Chimie și Inginerie Chimică Universitatea Babeș - Bolyai, Cluj– Napoca
Nivelul în clasificarea națională sau internațională doctorat
Perioada Sept.1979 – iulie1984

Calificarea / diploma obținută Inginer chimist
 Disciplinele principale studiate / competențe profesionale dobândite Specializarea tehnologie chimica organica
 Numele și tipul instituției de învățământ / furnizorului de formare Facultatea de Chimie și Inginerie Chimică Universitatea Babeș - Bolyai, Cluj– Napoca
 Nivelul în clasificarea națională sau internațională licenta

Aptitudini și competențe personale

Limba maternă Romana

Limbi străine cunoscute

Autoevaluare

Nivel european (*)

Germana

Engleza

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C2	Utilizator experimentat	C2	Utilizator experimentat	C1	Utilizator experimentat	B2	Utilizator independent	B2	Utilizator independent
C2	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	B2	Utilizator independent	B2	Utilizator independent

(*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

Competențe și abilități sociale Relatii foarte bune si bune cu colegii din departament, din alte facultati si cu studentii

Competențe și aptitudini organizatorice Am organizat si coordonat activitatea de amenajare si dotare a laboratorului 300 MHz RMN. Am infiintat si organizat laboratorul de Rezonanta Electronica de Spin(RES) , din granturi de cercetare, la standarde similare cu cele din universitati europene,

Competențe și aptitudini tehnice Operator RMN , Operator RES
 Cursuri de specializare la Bruker – Biospin GmbH, Germania

Activitate didactica anterioara Cursuri predate: Tehnologia Produselor Farmaceutice 1992-2015
 Tehnologie Chimică Organică 1997-1999, 2010-2015
 Chimie Tehnologica (l. germană) 2001-2004
 Tehnologii de Depoluare 1999-2000
 Procese Organice Fundamentale 2005-2007

Publicatii 1 carte, 3 brevete de inventie
 cca. 60 articole, h-index 7, 250 citari

Specializari

- 4 - 22 sept. 1995 – Chimie analitică, Forschungs Zentrum Karlsruhe
- 25 - 29 sept. 1995 – Măsurare și reglare în industria chimică, DECHEMA Frankfurt/Main
- 30 oct. - 3 nov. 1995 – Tehnică chimică: Conducerea proceselor chimice, DECHEMA Frankfurt/Main
- 22 - 26 apr. 1996 – Coroziune și protecție anticorozivă, DECHEMA – Frankfurt/Main
- iunie 1997 si iulie 1998 International Seminar "Environment and Health". Prof Dr. R. Rubin, Prof. Dr R. Frank, Johns Hopkins University Baltimore (SUA), organizat la Praga de Universitatea Eberhard - Karls Tübingen
- 3 – 9 mai 1999 - An introductory course on Magnetic Resonance Imaging (MRI) and Magnetic Resonance Spectroscopy (MRS) Prof. Dr. Gheorghe D. Mateescu, Neptun - Romania
- 28 apr.-3 mai 2004 - Nuclides Training Course, Forschungs Zentrum Karlsruhe

Permis(e) de conducere Categoria B

Informații suplimentare Pasiuni : sah, pescuit – flyfishing, spinning

Anexe Anexa 1- Contributia stiintifica; Anexa 2 – Proiecte

Anexa 1. Contributia stiintifica:

1. Publicatii stiitifice

1. Miclaus, V., Lechintan, T., Marin, G. and Miclaus, V. (1992): Contributions to the Study of Humus Components in Some Soils of Romania”, Studia Universitatis ”Babes - Bolyai”, Ser. Biologia **37 (2)**, 91 – 101
2. Jugrestan, F., Miclaus, V., Tosa, M., Câmpan, G. and Homorodean, D.(1993):Synthesis and Characterisation of Some New Nitrofuranyldrazomethines. Studia Universitatis ”Babes - Bolyai”, Ser. Chemia **38 (1 - 2)**, 115 - 122.
3. Miclaus, V., Lechintan, T. and Miclaus, V. (1993): The Transylvanian Soils, Their Suitability and Favourability to Horticultural Crops”,Buletinul Universitatii de Stiinte Agricole Cluj- Napoca, Buletin USACN, **A - H 47/1**, 21- 27.
4. Miclaus, V., Lechintan, T. and Miclaus, V. (1993): The Bog Peats from Sorroundings of Cluj - A Source of Organic Matter for Greenhouses and Solarium Mixtures. I. Agrochemical Aspects”, Buletinul Universitatii de Stiinte Agricole Cluj- Napoca , Buletin USACN, **A - H 47/1**, 191 - 198.
5. Miclaus, V. (1993) Recenzie:Oxford Chemistry Primers, Series Editor Stephan C. Davies, Oxford Science Publications, David T. Davies - Aromatic Heterocyclic Chemistry. Malcolm, Sainsbury - Aromatic Chemistry. Studia Universitatis ”Babes - Bolyai”, Chemia, **38 (1 - 2)**, 191
6. F. Irimie, Miclaus, V., Cs. Paizs, G. A. Pop, L. Silaghi (1995): “Modelarea matematica a procesului de fabricare a izopropilbenzenului în cataliza eterogena. I. Stoechiometria si echilibrul procesului”, Academia Romana,Vol. Zilele Academice Timisene 1995, 17-22.
7. . D. Irimie, V. Miclaus, Cs. Paizs, G. A. Pop (1995): “Modelarea matematica a procesului de fabricare a izopropilbenzenului în cataliza eterogena. II. Modelul matematic al reactorului”, Academia Romana,Vol. Zilele Academice Timisene 1995, 23-27.
8. Tosa, C., Miclaus, V., Tosa, M., Pop and Paizs, Cs. (1997): Methanol Oxidation to Formaldehyde on Oxide Catalysts of Mo - Fe. I. Mathematical Model and Mass Balance. Revista de Chimie, **48 (4)**, 284 – 289
9. Câmpan, G. and Miclaus, V.(1997): Normal Phase Thin Layer Chromatography and a Lipophilicity Study by Reversed Phase Thin Layer Chromatography of Some 2-Amino-3-cyano-4,5-diphenyl-furane Derivatives. Studia Universitatis ”Babes - Bolyai”, Ser. Chemia, **42 (1 - 2)**, 226 – 231
10. Miclaus, V., R. Oprean (1997): “Produsi ai reactiei în faza gazoasa a ozonului cu dimetilciclopentena”, Studii si Cercetari - Stiintele Naturii, ISBN 973 - 97325 - 8 – 5, 1997, 295-298.
11. Damian, G., Miclaus, V., Znamirovski, V., Cozar, O., Dulamita, N., Chis, V., David, L. and Paizs, Cs. (1998): The Dynamics of Nitroxide Radicals in Chloroform and Deuterated Chloroform Solutions Adsorbed on Zeolites. Progress in Catalysis **7(2)**, 61- 66
12. Damian, G., Cozar, O., Todica, M., Miclaus, V. and Fagarasan, E.(1997): FT – IR Spectroscopy of Adsorbed Amino Acids on Y Zeolites. Balkan Physics Letters, **5**, 179 - 183
13. Damian, G., Cozar, O., Miclaus, V., Paizs, Cs., Todica, M. and Chis, V. (1997):ESR of Nitroxide in the Slow - Motional Regime Adsorbed on Hydrophilic and Hydrophobic Surfaces. Balkan Physics Letters **5**, 289 - 293
14. Irimie F., Paizs, Cs., Tosa, M., Afloroaei, C. and Miclaus, V.(1997): Bakers’ Yeast - Mediated Reductions of Some Nitro - Dibenzofurans, Heterocyclic Communications, **3 (6)**, 549
15. Miclaus, V., Damian, G., Oprean, R. and Farcas, S. (1997): ¹H-and ¹³C-NMR Study of the Gas-Phase Reactions of O₃ with 5-Hexen-2-one. Balkan Physics Letters **5**, 285 - 288
16. Miclaus, V., Damian, G., Fagarasan, E., Câmpan, G., Stamate, S., Paizs, Cs. and Afloroaei, C. (1997): Spectroscopic Studies of 2-Amino-3-cyano-4,5-diphenyl Furane Derivates”, Balkan Physics Letters, **5**, 281 - 284

17. Irimie, F., Paizs, Cs., Miclaus, V., Afloroaei, C., Tosa, M. and G. Damian (1997): Mass Spectrometry of Some New 5-Hydroxymethyl-furyl-benzothiazoles Obtained Through Cell Catalysis. *Balkan Physics Letters* **5**, 277 - 280
18. Miclaus, V., Quinkert, R.-O., Frank, A. and Griesbaum, K.(1996): Reaktionen von Ozon mit Alkenen in der Gasphase. *Wissenschaftliche Berichte 31. Internationales Seminar Karlsruhe* **31**, 60 - 66.
19. Griesbaum, K., Miclaus, V. and Jung, In Chang (1998): Isolation of Ozonides from Gas Phase Ozonolyses of Terpenes. *Environmental Science and Technology* **32**, 647 - 649.
20. Griesbaum, K., Miclaus, V., Jung, In Chang and Quinkert, R.-O. (1998): Gas Phase Reactions of Dimethylcyclopentene and of 2,6-Heptanedione with Ozone: Unprecedented Formation of an Ozonide by Ozone Treatment of a Diketone. *European Journal of Organic Chemistry* **4**, 627 - 629.
21. Damian, G., Cozar, O., Miclaus, V., Paizs, Cs., Znamirovski, V., Chis, V. and David, L. (1998): ESR Study of the Dynamics of Adsorbed Nitroxide Radicals on Porous Surfaces in the Dehydration Process. *Colloids and Surfaces, A., Physicochem. and Eng. Asp.* **137**, 1 - 6.
22. Miclaus, V., Damian, G. and Oprean, R. (1998): EPR Investigation of Nitroxide Radicals Ozonolyses on Porous Surfaces. "Magnetic Resonance and Related Phenomena" volume II , Berlin , 1055-1056 , ISBN 3-7983-1780-1
23. Damian, G., Miclaus, V., Cozar, O., Todica, M., David, L., Chis, V., Ristoiu, E. and Farcas, S. (1999): EPR Study of Some Copper Heterocyclic Azomethines Complexes Adsorbed on X and Y Zeolites. *J. Mol. Structure* **287**, 482 - 483.
24. Tosa, M.-I., Irimie, F.D., Paizs, Cs., Tosa, C.C. and Miclaus, V. (1999): Osmotic Dehydration of Strawberries in 60% Sugar Solution. *Roum. Biotechnol. Lett.* **4**, 145 - 151
25. Campan Gabriela, Hadaruga Mihaela, Miclaus Vasile, Lipophilicity Characterisation by Reversed-phase Liquid Chromatography of Some Furan Derivatives. *Journal of Chromatography A* , Science_Citation_Expanded, *Journal of Chromatography A*, 869, **2000**, P.49 - 55
26. Damian, G., Miclaus, V., (2000) : Study of Nitroxide Radicals Ozonolysis on Porous Surfaces .*Studia Universitatis "Babes - Bolyai"*, Ser. Physica, **45 (1)** , 67-75
27. Miclaus, V., Damian, G., Lucaciu, C. M. (2001): EPR Studies of Spin Labeled Nicotinic Acid Derivatives in Lipidic Bilayers . *Studia Universitatis "Babes - Bolyai"*, Ser. Physica, **47 (1)** , 71-76
28. Cimpoi Claudia Valentina, Miclaus Vasile, Damian Grigore, Separation and Identification of Some Nitroxidic Derivatives of Nicotinic Acid and iso-Nicotinic Acid by HPTLC Coupled with Electronic Paramagnetic Resonance (EPR), *Science_Citation_Expanded, Journal Of Liquid Chromatography & Related Technologies*, 25 (10&11), **2002**, P.1515 - 1520
29. Cimpoi Claudia Valentina, Miclaus Vasile, Hodisan Teodor, Damian Grigore, Casoni Dorina, Identification of New Phthalazine Derivatives by HPTLC-FTIR and Characterization of Their Separation Using Some Molecular Properties, *Science_Citation_Expanded, Journal Of Liquid Chromatography & Related Technologies*, 26 (16) , **2003**, P.2687 - 2696
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31. V.Chis, V.Miclaus, L.Muresan, G.Damian, L.David, O.Cozar (2003) : Which radicals are formed by electrochemical reduction of the NO₂ group in dinitrofuryl-hydrazid hydrazone? An ESR and DFT study. *Studia Universitatis "Babes - Bolyai"*, Ser. Physica, XLVIII, Special Issue, **48 (1)**, 123-134
32. Damian, G., Cozar, O., Miclaus, V., (2003): Investigation of Adsorbed Copper(II) Complexes on NaY Zeolite by EPR Spectroscopy, *Rom. Journ. Phys.*, Vol. 48, 465-471.

33. Dragan Simion, Ghirisan Adina Lucretia, Miclaus Vasile, Studies on the Natrium Sulphate Salting-out Crystallization. I. Equilibrium of the Crystallization, Philadelphia, www.studia.ubbcluj.ro, Studia Universitatis Babes-Bolyai, CHEMIA, **2004**, P.195-201
34. Baia Monica Maria, Miclaus Vasile, Iliescu Traian, A Raman spectroscopic study of the diclofenac sodium- β -cyclodextrin interaction , Science_Citation_Expanded, European Journal Of Pharmaceutical Sciences, 22, 2004, P.487 – 495
35. Cimpoi, C., Casoni, D., Hosu, A., Miclaus, V. , Damian, G., Hodisan, T. Separation and Identification of Eight Hydrophilic Vitamins Using New TLC Method and Raman Spectroscopy.: J. Liq. Chromatogr. Related Techn. **2005**, 28, 2551-2559, (ISI - 1,026)
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37. Ghirisan,A., Pop, A., Miclaus, V., : Sedimentation. Koagulation. Flocculation. II. Sedimentation einer geflockten Kaolinsuspension, . Studia Universitatis Babes - Bolyai, Ser. Chemia, **2005**, 50 (1), 88-96
38. V. Chis, S. Filip, V. Miclaus, A. Pirnau, C. Tanaselia, V. Almasan, M. Vasilescu, Vibrational spectroscopy and theoretical studies on 2,4-dinitrophenylhydrazine J. Mol Structure, **2005**, 744-747, 363-368, (ISI - 1,594)
39. V. Miclaus, I. Bros, Z. Moldovan, Claudia Cimpoi, E. Surducun, N. Palibroda, The Identification by MS and GC/MS of Photo-Degradation Products of Indomethacin Ointment, Studia Univ. B-B Chem, **2005**, L(1), 121-127.
40. V. Miclaus, G. Damian, Gabriella Schmutzer, Dina Petrisor, Claudia Cimpoi, EPR Study of Antioxidant Characteristics of Some White Wines, Studia Univ. B-B Phys., L(4b), 595-598, **2005**.
41. C.M.Lucaciu, M.Dansoreanu, G.Damian, V.Miclaus, EPR study of the dynamics of some spin labels inclusion in cyclodextrins, în, Advanced Biomaterials and Biophysical Techniques, Rev.Medico-Chirurgicala, vol.109, May 2005, ISSN 0048-7848, **2005**
42. G.Damian , V.Miclaus, Study of Free Radicals in gamma-Irradiated Metoclopramid using Spin Trapping ESR Spectroscopy, Rom. J. Biophys. 15(1-4):121-126, **2005**
43. G. Damian, G. Schmutzer, D. Petrisor, V. Miclaus, S. Simon, Electron Spin Resonance Studies of γ -irradiated B₃ Vitamin, Rom. J. Biophys. , **2005** 15(1-4):23-28
44. S. Dragan, Adina Ghirisan, Al. Pop, M. Simihaian and V. Miclaus, Use of Apatite in the Treatment of Acid Mine Wastewater - Kinetic Modeling, Proceedings 33rd International Conference of Slovak Societ of Chemical Engineering, Tatranske Matliare, Slovakia, **2006**, CD-ROM pp. 258(1-8), ISBN 80-227-2409-2
45. V. Chis, M. Oltean, A. Pîrnau, V. Miclaus, S. Filip, Spectral and theoretical studies of 2-naphthalenol: an organic nonlinear optical crystalline material, JOAM, **2006**, 8(3), 1143 – 1147, (ISI – 0,827)
46. Al. Pop, Adina Ghirisan, S. Dragan and V. Miclaus, Studies on the Natrium Sulphate Salting-out Crystallization. II. Crystallization Kinetics, , STUDIA Universitatis Babes-Bolyai, Chemia, **2006**, vol. LI(1), pp. 115-126, ISSN 1224-7154
47. Adina Ghirisan, S. Dragan, Al. Pop, M. Simihaian and V. Miclaus, Heavy Metal Removal and Neutralization of Acid Mine Waste Water –Kinetic Study Can. J. Chem. Eng., **2007**, 85, 900-905, (ISI - 1,205)
48. G. Damian, D. Petrisor, V. Miclaus, Free Radicals Detection by ESR PBN Spin-Trap Technique, JOAM, **2007** ,9(4), 1010-1013, (ISI – 0,827)
49. G.Damian, S. Cavalu, V. Miclaus, L. Sabau, N. Vedeanu, C.M. Lucaciu, EPR and ATR-FTIR investigation of Lyophilized Cytochrome C at different pH, Romanian J. Biophys, **2007** , vol.17(3), 139-148),
50. Spectroscopic characterization of some grape extracts with potential role in tumor growth inhibition, I. D. Postescu, C. Tatomir, G. Chereches, I. Brie, G. Damian, D. Petrisor, A-M. Hosu, V. Miclaus, N. Pop, JOAM, 9(3), 564-567, 2007 (ISI - 0,827)

51. EPR and spectrophotometric investigation of the antioxidant capacity of some romanian grapes and wines, Claudia Cimpoiu, Anamaria Hosu, G. Damian, V. Miclaus, European Biophysics Journal with Biophysics Letters, **2007**, 36, 171-172, (ISI – 2,409)
52. Claudia Cimpoiu, Anamaria Hosu, Rodica Briciu, Vasile Miclaus, Monitoring the origin of wine by reversed-phase thin-layer chromatography, J. Planar Chromatogr.-Mod. TLC, **2007**, 20 (6), 407-410, (ISI - 0,982)
53. D. Petrisor, G. Damian, S. Simon, G. Schmutzer, A. Hosu, V. Miclaus, EPR investigation of antioxidant characteristics of some irradiated natural extracts, JOAM, **2007**, 9(3), 656-659, (ISI - 0,827)
54. G. Damian, Diana Petrisor, V. Miclaus, Claudia Cimpoiu, Anamaria Hosu, ID. Postescu, EPR Investigation of antioxidant activity of some grape skin and seeds extracts, Romanian Journal of Physiology , **2008**, 26-31,
55. Ghirisan, A.L., Dragan, S., Cimpoiu, C., Miclaus, V., Roman, C., Removal of Some Estrogenic Pollutants from Water by Adsorption. Bull. Sci. Univ. Politech. Timisoara, **2008**, 53(67), 61 – 64.
56. Dina Petrisor, Grigore Damian, Simion Simon, Ana Maria Hosu, Vasile Miclaus, Antioxidant activity, of some types of white wines and juices investigated by EPR spectroscopy Modern Physics Letters B, **2008**, 22(27), 2689-2698, (ISI - 0,471)
57. A. Ghirişan, S. Dragan, C. Cimpoiu, C. Roman and V. Miclaus Removal of xeno estrogenic pollutants by an yeast *Saccharomyces cerevisiae* strain from water, Proceedings 10th World Filtration Congress, **2008**, vol. I, 449-453.
58. Cimpoiu C., Hosu A., Seserman L., Sandru M., Miclaus V. (2010): Simultaneous determination of methylxanthines indifferent types of tea by a newly developed and validated TLC method. Journal of Separation Science, 33, 3794–3799.
59. V. Miclaus, Claudia Cimpoiu, Anamaria Hosu, L.I. Sabau, G. Damian JOAM, Synthesis and characterization of spin labeled nicotinic acid derivatives in some biological environments, **2010**, 2(1), 31-33, (ISI - 0,827)
60. Hosu A., Cimpoiu C., Miclaus V., Damian G., Tarsiche I., Pop N. (2010): Influence of Intermittent Heating during Maceration on the Antioxidant Capacity of some Grape Seeds and Skins Not. Bot. Hort. Agrobot. Cluj 38(1), 41-43.
61. Anamaria Hosu, Cimpoiu C., Pop N., Miclaus V., Bolboaca S., Jantschi L. (2011): The Analysis of Different Factors Affecting the Red Wines Antioxidant Content, Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 39 (I), 159-164.
62. Hosu Anamaria, Cimpoiu C., Miclaus V., Jantschi L. (2011): Antioxidant Content of Three Different Varieties of Wine Grapes, Biotechnology and Biotechnological Equipment, 25 (1), 2217-2221.
63. Hosu, A., Cimpoiu, C., Miclaus, V., Danciu, V., Inceu, M., (2011) Antioxidant activity and total phenolic content of some Romanian red wines Studia Universitatis Babes-Bolyai Chemia (4), pp. 55-62
64. Bolojan, L., Takács, I.M., Miclaus, V., Damian, G. (2012) An EPR Study of Superoxide Radicals from Potassium Superoxide Solutions Applied Magnetic Resonance 42 (3), pp. 333-341
65. Cimpoiu, C., Hosu, A., Miclaus, V. (2013) Analysis of Antioxidant Compounds in Different Types of Tea (Book Chapter) Tea in Health and Disease Prevention , Pages 79-89
66. Cimpoiu, C., Hosu, A., Miclaus, V., Puscas, A. , (2013) Determination of the floral origin of some Romanian honeys on the basis of physical and biochemical properties, Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy 100, pp. 149-154
67. Daiana Antoaneta Prodan & Cristina Gasparik & Diana Carla Mada & Vasile Miclăuş & Mihaela Băciuş & Diana Dudea, (2014), Influence of opacity on the color stability of a nanocomposite Clin Oral Invest DOI 10.1007/s00784-014-1315-1

68. Sorin Rapuntean, Alexandru Pop, Vasile Miclaus, [...], Maria Tomoaia-Cotisel (2016) In Vitro Sensitivity Research Concerning Some Microorganisms at Hydroxyquinoline and Cupric Derivatives Deposited onto Hydroxyapatite, November 2016, Bulletin USAMV, DOI 10.15835/buasvmcn-vm:12203
69. Adina Ghirişan, Simion Drăgan, Vasile Miclaus, (2017) Freeze-Drying Kinetics Approach of Soluble Coffee. Mass Transfer Parameters Estimation, Studia Universitatis Babes-Bolyai Chemia, March 2017, DOI 10.24193/subbchem.2017.1.01
70. Adina Ghirişan, Vasile Miclaus, (2017) Comparative study of spray-drying and freeze drying on the soluble coffee properties, Studia Universitatis Babes-Bolyai Chemia, December 2017, DOI 10.24193/subbchem.2017.4.26

2. Alte contributii (peer-reviewed)

1. S. Dragan, Adina Ghirisan, Al. Pop, M. Simihaian and V. Miclaus, Use of Apatite in the Treatment of Acid Mine Wastewater - Kinetic Modeling, Proceedings 33rd International Conference of Slovak Societzy of Chemical Engineering, Tatranske Matliare, Slovakia, 2006, CD-ROM pp. 258(1-8), ISBN 80-227-2409-2
2. A. Ghirişan, S. Dragan, C. Cimpoiu, C. Roman and V. Miclaus, Removal of xeno estrogenic pollutants by an yeast *Saccharomyces cerevisiae* strain from water, Proceedings 10th World Filtration Congress, 2008, vol. I, 449-453.
3. Cimpoiu Claudia, Hosu Anamaria, Miclaus Vasile, Antioxidant Character Evaluation of Some Romanian Wines with Various Reagents, Integrated Systems for Agri-Food Production, Orizonturi Universitare Timisoara, 978-973-638-348-9, 81-84 (2007).
4. Cimpoiu Claudia, Hosu Anamaria, Miclaus Vasile, Damian Grigore, Analytical Methods for Natural Antioxidant Analysis from Food, Integrated Systems for Agri-Food Production, Orizonturi Universitare Timisoara, 978-973-638-348-9, P. 77-80, (2007).
5. C. Cimpoiu, A Hosu, R. Briciu, V. Miclaus The monitoring of the wine origin by Reversed-Phase Thin Layer Chromatography, International Symposium on TLC, 9-11 oct Berlin Germania, 2006
6. Claudia Cimpoiu, Anamaria Hosu, G. Damian, V. Miclaus EPR and spectrophotometric investigation of the antioxidant capacity of some romanian grapes and wines", , European Biophysics Congress, 14-18 Iulie 2007, London, UK.
7. A. Ghirisan, C. Cimpoiu , G. Damian , V. Miclaus, Study of Some Copolymers N-Isopropylacrylamide - Acrylic Acid at the Cloud Points, 14th International Symposium on Metastable and Nano Materials (ISMANAM), Corfu Island, Greece 26 - 30 August 2007.
8. Claudia Cimpoiu , Vasile Miclaus , Adina Ghirisan , Grigore Damian, The effect of silica gel impregnation with yeast on the retention parameters of some hormones, 14th International Symposium on Metastable and Nano Materials (ISMANAM), Corfu Island, Greece 26 - 30 August 2007.
9. Grigore Damian, Dina Petrisor, Vasile Miclaus, Mihai Lucaciu, Lavinia Sabau Free radicals investigation on gamma irradiated mercaptopurine by ESR spectroscopy 12th International meeting on recent developments in pharmaceutical analysis, RDP A 2007, 23-26 septembrie 2007, Elba, Italia
10. G. Damian, D. Petrisor, A-M. Hossu, C. Cimpoiu, V. Miclaus, EPR Investigations of antioxidant activity of grape seed extracts and on some of its polyphenolic constituents, RDP A 2007, 23-26 septembrie 2007, Elba, Italia
11. V. Miclaus, G. Damian, A. Ghirisan Study of the mobility of spin labelled nicotinic acid derivatives in some biological environments 41 Annual international meeting Advanced techniques and applications of EPR, Londra 6-10 aprilie, 2008
12. Ghirişan, C. Cimpoiu, C. Roman and Vasile Miclaus Removal of xeno-estrogenic pollutants by an yeast *Saccharomyces cerevisiae* strain from water , 10.th World Filtration Congress (10.thWFC) 14.-19. aprilie 2008, Leipzig, Germania

13. G.Damian, Dina Petrisor, V.Miclaus, Claudia Cimpoiu, Anamaria Hosu, Study of antioxidant activity of some grape skin and seeds extracts by EPR spectroscopy, "Advanced Techniques and Applications of EPR" - The 41st Annual International Meeting of the ESR Spectroscopy Group of the Royal Society of Chemistry, University College London, 6th - 10th April 2008

3. Patente

1. Procedeu de obtinere a unei compozitii fungicide, Brevet nr. 119983 B1, clasa **A 01 N 59/20** Pop Alexandru, Miclaus Vasile
2. Process for depolluting water containing medicamental hormonal and xenoestrogenic organic substances, RO125296-A2, Chintoanu M., Cimpoiu C., Costineanu D., Ferenczi L., Ghirisan A., Miclaus V., Miclean M., Ozunu A., Roman, C.
3. Compoziție de îngrășământ foliar pe bază de calciu, și procedeu de obținere; Calcium-based foliar fertilizer composition and process for preparing the same, Brevet nr. 00123139 (2006.01) C05C 5/04, Pop A., Miclaus, V., Barabas R., Dragan S., Mitre V., Mitre I.

4. Carti

1. Damian, G., Miclaus, V. (2001): Radicali nitroxidici, (Nitroxid Radicals), Editura Fundației pentru Studii Europene, Cluj-Napoca – ISBN 973- 8254-18-3
2. Cimpoiu, C., Hosu, A., Miclaus, V. Analysis of Antioxidant Compounds in Different Types of Tea (2013), (Book Chapter) , Tea in Health and Disease Prevention pp. 79-89

Anexa 2. Proiecte

Program/Proiect	Positia	Perioada
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interational		
1. Gas-Phase Ozonolyses of Olefins	Researcher Karlsruhe University (TH), Engler Bunte Institut, Bereich Petrochemie, Prof. Dr. K.Griesbaum	May 1995 - June 1996 - DAAD Fellowship,
2. Gas phase Ozonolyses of Terpenes	Hilfswissenschaftler (HIWI) Karlsruhe University (TH), Engler Bunte Institut, Bereich Petrochemie, Prof. Dr. K.Griesbaum	July1996 – Nov. 1996, DAAD Fellowship
3. Nitoxide Radicals - Labelled Compounds as Biomarkers	Researcher Karlsruhe University (TH), Engler Bunte Institut, Lehrstuhl für Umweltmesstechnik, Prof. Dr. Andre M. Braun	Oct. - Dec.1998 – European Community Fellowship
4. Generation of nanoparticles in the presence of PNIPAM templates	Researcher Karlsruhe University (TH), Engler Bunte Institut, Lehrstuhl für Umweltmesstechnik, Prof. Dr. Stefan Bossmann	Dec.1999 – Febr.2000 – DAAD Fellowship,
5. Pharmaceuticals in wastewater	Researcher Karlsruhe University (TH), Engler Bunte Institut, Lehrstuhl für Umweltmesstechnik, Prof. Dr. H. Frimmel	Mai.- July 2005 – DAAD Fellowship,
national		
1. VINMES - New modern method of fingerprinting and quality control of wines using spectral techniques	Leader	CALIST – nr. 5310/2004-2006
2. MEDIMP - Model for investigation of impurities and degradation products in cardiovascular and anti-inflammatory drug class	Leader	CERES – nr. 4- 109/2004-2006
3.The study of free radicals in biological systems, pharmaceutical and food systems by electron spin resonance spectroscopy (ESR)	Member	CNCSIS cod 171/2005-2007
4. PAOT - Studies in vitro and on experimental tumors of the antioxidant effect of natural product	Member	CEEX -VIASAN- nr 15/2005 PC- D01-PT11-294/ 2005-2008
5. MEDESTRO - Complex detection system of hormonal drug substances and xenoestrogens from water resources	Leader	CEEX - BIOTECH nr 115/2006-2008
6. NMRSTAR - Adaptation of pulse sequences and networking for superconducting NMR spectroscopy laboratories	Member	CEEX – CERES nr 11-41/2006- 2008
7. Monitoring of antioxidant activity of some natural compounds with industrial applications by chromatographic methods coupled with spectral techniques,	Member	CNCSIS nr. 1343/2006-2007
8 Modern and complex methodology for monitoring the quality of food supplements from the raw material to the finite product	Member	PNII-P52146/2008