

## PERSONAL INFORMATION

## VASILE MICLAUS



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Sex M | Date of birth 25/04/1959 | Nationality Romanian

## 1. WORK EXPERIENCE

Dates	1989 – until today
Occupation or position held	2001 - onwards Associate Professor, PhD Dipl Eng., 1997-2001 - lecturer 1989-1997 - teaching asistent
Main activities and responsibilities	Education -Teaching and laboratory works Research - OrganicSyntheses and spectral analysis
Name and address of employer	Babes-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, 1 Mihail Kogalniceanu Street, RO-400084 Cluj-Napoca, Romania, <a href="http://www.ubbcluj.ro/">http://www.ubbcluj.ro/</a> and <a href="http://www.chem.ubbcluj.ro/">http://www.chem.ubbcluj.ro/</a>
Type of business or sector	Education and research
Dates	- Oct. - Dec.1998, - European Comunity fellowship - May 1995 – Nov. 1996, Dec. 1999 - March 2000, May – July 2005, - DAAD fellowships
Occupation or position held	Researcher/ Visiting Professor
Main activities and responsibilities	Biomarker synthesis, labelled compounds Ozone tropospheric chemistry, NMR spectroscopy
Name and address of employer	Karlsruhe University (TH), Lehrstuhl fur Umweltmesstechnik, Prof. Dr. Andre M. Braun Karlsruhe University (TH), Engler –Bunte Institut, Bereich Petrochemie, Prof. Dr. K.Griesbaum Karlsruhe University (TH), Engler –Bunte Institut, Bereich Wasserchemie, Prof. Dr. K. Frimmel
Type of business or sector	Research in fine organic synthesys, spectral analysis
Dates	1984-1989
Occupation or position held	Dipl Engineer
Main activities and responsibilities	Organizing and coordinating chemical synthesis of active ingredients in medicines
Name and address of employer	Medical Entreprises Terapia Cluj-Napoca; sectors: Sinteza I, SMFO, Hormones
Type of business or sector	Drug synthesis
<b>EDUCATION AND TRAINING</b>	
Dates	1992 - 1998
Title of qualification awarded	PhD
Principal subjects/Occupational skills	Pentaatomic oxygen containing heterocycles
Name and type of organisation providing organisation and training	Babes-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, 1 Mihail Kogalniceanu Street, RO-400084 Cluj-Napoca, Romania,

Level in national or international class

ISCED 6

Dates

Sept.1979 – July 1984

Title of qualification awarded

**Dipl. Chemical Engineer**

Principal subjects/Occupational skills

Specialization: Organic Chemistry Technology

Name and type of organisation providing organisation and training

Babes-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, 1 Mihail Kogalniceanu Street, RO-400084 Cluj-Napoca, Romania,

Level in national or international classification

ISCED 5

## PERSONAL SKILLS

Mother tongue

Romanian

Other languages

Self-assessment

European level (\*)

**English**
**German**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user	B2	Independent user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user	B2	Independent user

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

Social skills and competences

Good and very good relations with the colleagues and students.

Organisational skills and competences

Beginning with 1999, I organized and coordinated the development of a laboratory with Bruker 300 MHz NMR equipment.  
In 2007-08, I founded and organized the laboratory of electron spin resonance (ESR) similar to the standards of European universities.

Technical skills and competences

 NMR Operator , EPR Operator  
Bruker – Biospin GmbH, Germany

Previous teaching

Courses taught: Pharmaceutical Technology 1992-2015  
Organic Chemical Technology 1997-1999, 2010-2015  
Chemical Technology (German I.) 2001-2004  
Remediation Technologies 1999-2000  
Fundamental Organic Process 2005-2007

Publications

 1 book, 3 patents, over 70 publications, h-index 22,24, 428 citations (<https://www.researchgate.net>)

Specializations

- 4 to 22 September. 1995 - Analytical Chemistry, Forschungs Zentrum Karlsruhe
- 25 to 29 September. 1995 - Measurement and control in the chemical industry, DECHEMA Frankfurt / Main
- October 30. - November 3. 1995 - Chemical Engineering: Management of chemical processes, DECHEMA Frankfurt / Main
- April 22 to 26. 1996 - Corrosion and corrosion protection, DECHEMA - Frankfurt / Main
- June 1997 and July 1998 International Seminar on "Environment and Health. " held at Prague by Prof Dr R. Rubin, Professor Dr R. Frank, from Johns Hopkins University, Baltimore (USA) and University Eberhard - Karls Tübingen
- 3 to 9 May 1999 - An INTRODUCTORY course on Magnetic Resonance Imaging (MRI) and Magnetic Resonance Spectroscopy (MRS) Prof. Dr. Gheorghe D. Mateescu, Neptun - Romania
- April 28 to May 3, 2004 - Nuclides Training Course, Forschungs Zentrum Karlsruhe

Driving licence/

Category B

Hobbies

chess, fishing – flyfishing, spinning

## ADDITIONAL INFORMATION

Member of different professional organizations:

- Romanian Society of Chemical Engineering
- Romanian Society of Chemistry
- Romanian Society of Catalysis

### Annexes

Annex 1. Scientific contribution ; Annex 2. Projects

## Annex 1. Scientific contribution:

### 1. Scientific publications

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 Nitrofuranydrazomethines. 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 Surroundings 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): <sup>1</sup>H-and <sup>13</sup>C-NMR Study of the Gas-Phase Reactions of O<sub>3</sub> 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-Hidroxyethyl-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, **2000**, J, urnal of Chromatography A, 869, 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. EPR Studies of Spin Labeled Nicotinic Acid Derivatives in Lipidic Bilayers, **2001**, *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
30. Ghrisan Adina Lucretia, Miclaus Vasile, Pop Alexandru, Sedimentation. Koagulation. Flocculation. I. Sedimentationsanalyse einer geflockten Kaolinsuspension, Philadelphia, *Studia Universitatis Babes-Bolyai, CHEMIA, XLVIII (1)*, **2003**, P.183-190

31. V.Chis, V.Miclaus, L.Muresan, G.Damian, L.David,O.Cozar. Which radicals are formed by electrochemical reduction of the NO<sub>2</sub> group in dinitrofuryl-hydrazid hydrazone? An ESR and DFT study, **2003**, Studia Universitatis "Babes - Bolyai", Ser. Physica, XLVIII, Special Issue, **48 (1)**, 123-134
32. Damian, G., Cozar, O., Miclaus, V., Investigation of Adsorbed Copper(II) Complexes on NaY Zeolite by EPR Spectroscopy, **2003**, 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 Universitas Babes-Bolyai, CHEMIA, **2004**, P.195-201
34. Baia Monica Maria, Miclaus Vasile, Iliescu Traian, A Raman spectroscopic study of the diclofenac sodium- $\beta$ -cyclodextrin interaction , Science\_Citation\_Expanded, **2004**, European Journal Of Pharmaceutical Sciences, 22, P.487 – 495
35. Cimpoiu, 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)
36. C.M.Lucaciu, M.Dansoreanu, G.Damian, V.Miclaus, EPR study of the dynamics of some spin labels inclusion in cyclodextrins, Rom. J. Biophys. **2005**, 15(1-4):55-60
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 Cimpoiu, 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 Cimpoiu, 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**
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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 Society of Chemical Engineering, Tatranske Matliare, Slovakia, **2006**, CD-ROM pp. 258(1-8), ISBN 80-227-2409-2
45. V. Chis, M. Oltean, A. Pirnau, 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)
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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. Copper Biosorption on a Strain of *Saccharomyces Cerevisiae* – Isotherm Equilibrium and Kinetic Study, Adina Ghirişan, S. Drăgan, V. Miclăuş, *BIOREMED 2007, Cluj-Napoca, STUDIA Universitatis "Babeş-Bolyai", Chemia*, 2008, LIII(3), pp. 37-45
56. 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.
57. 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)
58. 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.
59. Cimpoiu C., Hosu A., Seserman L., Sandru M., Miclaus V. (): Simultaneous determination of methylxanthines indifferent types of tea by a newly developed and validated TLC method. **2010**, *Journal of Separation Science*, 33, 3794–3799.
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63. Anamaria Hosu, Cimpoiu C., Pop N., Miclaus V., Bolboaca S., Jantschi L. The Analysis of Different Factors Affecting the Red Wines Antioxidant Content, **2011**, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 39 (I), 159-164.
64. Hosu Anamaria, Cimpoiu C., Miclaus V., Janschi L., Antioxidant Content of Three Different Varieties of Wine Grapes, **2011**, *Biotechnology and Biotechnological Equipment*, 25 (1), 2217-2221.
65. Hosu, A., Cimpoiu, C., Miclaus, V., Danciu, V., Inceu, M., Antioxidant activity and total phenolic content of some Romanian red wines, **2011**, *Studia Universitatis Babes-Bolyai Chemia* (4), pp. 55-62
66. Bolojan, L., Takács, I.M., Miclaus, V., Damian, G. An EPR Study of Superoxide Radicals from Potassium Superoxide Solutions, **2012**, *Applied Magnetic Resonance* 42 (3), pp. 333-341

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68. Cimpoi, C., Hosu, A., Miclaus, V., Puscas, A. , Determination of the floral origin of some Romanian honeys on the basis of physical and biochemical properties, **2013**, Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy 100, pp. 149-154
69. Daiana Antoaneta Prodan, Cristina Gasparik, Diana Carla Mada, Vasile Miclăuș, Mihaela Băciuț, Diana Dudea, Influence of opacity on the color stability of a nanocomposite, **2015**, Clinical Oral Investigations, Volume: 19 Issue: 4 Pages: 867-875, DOI: 10.1007/s00784-014-1315-1 Published: MAY 2015 Accession Number: WOS:000352819800012 PubMed ID: 25217277
70. Adina Ghirișan (Miclăuș), V. Miclăuș, Comparative Study of Spray-Drying and Freeze-Drying on the Soluble Coffee, **2017**, Studia UBB Chemia, , LXII, 4 (II), pp. 309-317
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72. Adina Ghirișan (Miclăuș), S. Drăgan, C. Coța, E. M. Nagy, Z. Gyorgy, V. Miclăuș, The Influence of Temperature and Dolomite Addition on the Drying Kinetics of Sugar Beet Pulp (Beta Vulgaris L.), **2018**, Studia UBB Chemia, LXIII (2), pp. 53-62
73. E. M. Nagy, C. Coța, N. Cioica, Z. Gyorgy, L. Fecete-Tutunaru, Adina Ghirișan (Miclăuș), V. Miclăuș, Researches Regarding a Protein Hydrolysate Used as Adjuvant in Fertilization Process, **2019**, Bulletin UASVM series Agriculture, 76(2), pp. 78-83
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75. Adina Ghirișan (Miclăuș), V. Miclăuș, Power consumption for mixing of shear-thinning fluids, **2021**, Studia UBB Chemia, LXVI (2), pp. 247-254

## 2. Another contributions (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 Society of Chemical Engineering, Tatranske Matliare, Slovakia, 2006, CD-ROM pp. 258(1-8), ISBN 80-227-2409-2
2. A. Ghirișan, S. Dragan, C. Cimpoi, 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. Cimpoi 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. Cimpoi 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. Cimpoi, A Hosu, R. Briciu, V. Miclaus The monitoring of the wine origin by Reversed-Phase Thin Layer Chromatography, International Symposium on TLC, 9-11oct Berlin Germania, 2006
6. Claudia Cimpoi, 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. Cimpoi , 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 Cimpoi , 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, RDPA 2007, 23-26 septembrie 2007, Elba, Italia
10. G. Damian, D. Petrisor, A-M. Hossu, C.Cimpoi, V. Miclaus, EPR Investigations of antioxidant activity of grape seed extracts and on some of its polyphenolic constituents, RDPA 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. Cimpoi, 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 Cimpoi, 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. Patents

1. Procedures for an antifungal composition, 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., Cimpoi 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. Books:

1. Damian, G., Miclaus, V. (2001): Radicali nitroxidici, Editura Fundației pentru Studii Europene, Cluj-Napoca – ISBN 973-8254-18-3
2. Cimpoi, 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



## Annex 2. Projects:

Program/Project	Position	Period
<b>international</b>		
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	July 1996 – 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,
<b>national</b>		
1. VINMES - New modern method of fingerprinting and quality control of wines using spectral techniques	Responsible for partner	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	Member	CEEX – CERES nr 11-41/2006-

spectroscopy laboratories		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

25.01.2022

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