

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Cristina Mihaela BARBU**
Address(es) 4, Brazda lui Novac Street, 200690, Craiova, Romania
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Fax(es) +40 251 598 265
E-mail cristina_barbu2000@yahoo.co.uk
Nationality Romanian
Date of birth July, 25, 1966
Gender Female

Work experience

Dates **2008 – up to present**
Occupation or position held **B's, M's, Ph.D. Assistant Professor**, *Spiru Haret* University Bucharest, Faculty of Account Financial Management, Craiova

- **Editor in Chief** for *Journal of Environmental Management and Tourism* (currently indexed in CEEOL, EBSCO, IndexCopernicus, Pro Quest and RePEC databases),
- **Member** of *European Centre of Managerial Studies in Business Administration*,

Main activities and responsibilities

- Didactical and scientific research activities
- Lecture and seminar teaching activities in disciplines: Introduction to Marketing, Public finance, Environmental economics;
- Publishing articles in professional journals and ISI;
- Publication as author and coauthor of literature, university courses and practical guidance;
- Organize and participate in international conferences;
- Development of research grants and contracts.

Managing of editorial and publishing activities for *Journal of Environmental Management and Tourism*, as Editor in Chief, the journal is indexed in international databases (RePEc, CEEOL, EBSCO, IndexCopernicus, Pro Quest);
 As **Member** of *European Centre of Managerial Studies in Business Administration*, with others members participate in dissemination of research results of the Centre through academic and professional environment
Name and address of employer Spiru Haret University, Faculty of Financial Management Accounting, Craiova, Brazda lui Novac Street, No.4, 200690.
Type of business or sector Research activities and Teaching, testing activities
 Research and Education
Dates **2004 – 2008**
Occupation or position held **B's, M's, Lecturer PhD Student**, *Spiru Haret* University, Faculty of Financial Accounting Management,

Main activities and responsibilities ■ Didactical and scientific research activities
 - Teaching of academic courses and conducting of seminars to the following disciplines: Introduction to Marketing, Environmental economics; Green technologies;
 - Publishing as author and co-author of theoretical and applicative books, academic courses;
 - Elaborating of articles published in international journals indexed in ISI - Web of Science or international databases;
 - Organizer and participant in international scientific conferences;
 - Member of research team in scientific grants and research contracts conducted with business environments or European Funds;

Name and address of employer Spiru Haret University, Faculty of Financial Management Accounting, Craiova, Brazda lui Novac Street, No.4, 200690.

Type of business or sector Research activities and Teaching, testing activities
 Research and Education

Dates 1999 - 2004

Occupation or position held **B's, Assistant Ms, Ph.D. Student**

Main activities and responsibilities ■ Didactical and scientific research activities
 - Conducting of seminars to the following disciplines: Environmental economics; Globalization of the economy; Environmental economics; Green technologies;
 - Publishing as author and co-author of theoretical and applicative books, academic courses;
 - Elaborating of articles published in international journals indexed in ISI - Web of Science or international databases;
 - Organizer and participant in international scientific conferences;
 - Member of research team in scientific grants and research contracts conducted with business environments or European Funds;

Name and address of employer Spiru Haret University, Faculty of Financial Management Accounting, Craiova, Brazda lui Novac Street, No.4, 200690.

Type of business or sector Research activities and Teaching, testing activities
 Research and Education

Education and training

Dates 2001-2008

Title of qualification awarded **Ph. D in chemistry and environmental protection**

Principal subjects/occupational skills covered Research Subject: *Analytical Chemistry and Environmental Analytical Control, Analytical Control of Waters, Environmental Chemistry*

Name and type of organisation providing education and training University of Craiova

Level in national or international classification ISCED 8

Dates 2004 -2005

Title of qualification awarded Master Degree in Economics - Account Financial Management

Principal subjects/occupational skills covered Account Financial Management, Auditing, Accounting Financial Audit, Financial Control, Financial policies of business, Management Methods and Techniques

Name and type of organisation providing education and training University of Craiova
 Faculty of Economic Sciences
 European Institute for the Administration of Enterprise

Level in national or international classification ISCED 7

Dates 1991-1997

Title of qualification awarded **Bachelor's Degree in Chemistry Sciences**

Principal subjects/occupational skills covered	Specialization - Chemistry
Name and type of organisation providing education and training	University of Craiova Faculty of Chemistry
Level in national or international classification	ISCED 6
Dates	2003-2007
Title of qualification awarded	Bachelor's Degree in Sociology – Psychology Sciences
Principal subjects/occupational skills covered	Specialization - Sociology – Psychology
Name and type of organisation providing education and training	Spiru Haret University, Bucharest Faculty of Sociology – Psychology
Level in national or international classification	ISCED 6
Dates	2008-2011
Title of qualification awarded	Bachelor's Degree in Marketing and International Business
Principal subjects/occupational skills covered	Marketing
Name and type of organisation providing education and training	Spiru Haret University, Bucharest Faculty of Marketing and International Business
Level in national or international classification	ISCED 6

Personal skills and competences

Education and research activity

- 11 professional papers and academic textbooks published in foreign publishers or Romanian CNCSIS as author / coauthor in these areas: environmental protection, sustainable development, environmental management, tourism, green tourism;
- 26 articles published after a peer review process (double peer-reviewed) in internationally recognized journals (16 of them indexed in ISI Web of Science and international databases), and in nationally recognized journals or with B+ or B Classification of National Council of Scientific Research in Higher Education;
- participations to international scientific conferences (Trinidad - Tobago) and over 10 participations in national conferences with international participation;
- 4 Grants from National Council of Scientific Research in Higher Education, as a member of the research team, 3 Strategic Grants POS-DRU as a team member; 2 contracts with business.
- 3 strategic grants from European Union (European Social Fund) as member;
- 2 research contracts in business environment,

Professional and academic competencies:

- **Editor in Chief** for *Journal of Environmental Management and Tourism* (indexed in CEEOL, EBSCO, IndexCopernicus, Pro Quest, RePEC and Cabell's Directory);
<http://www.asers.eu/journals/jemt.html>
- **Member of Editorial Advisory Board** for *Journal of Applied Economic Sciences (JAES)*; (indexed in SCOPUS, RePEC, CEEOL, EBSCO and IndexCopernicus, CNCSIS B+ Classification)
http://www.cesmaa.eu/journal_of_applied_economic_science;
- **Member of Editorial Advisory Board** for *Journal of Research in Educational Sciences (JRES)* (indexed in CEEOL, EBSCO, IndexCopernicus, Pro Quest, RePEC și Cabell's Directory));
<http://asers.eu/journals/jres/editorial-board.html>
- **Member of Editorial Advisory Board** for *Journal of Advanced Research in Organizational Psychology (JAROP)*
<http://www.asers.eu/journals/jarop/editorial-board.html>
- **Member of redactional board for Annals** of Spiru Haret University, Economy Series, Faculty of Financial Management Accounting, Craiova;
- **Member of Academic Advisory Committee** TMC Academic Journal, Singapore
<http://www.tmc.edu.sg/images/stories/tmc/Docs/Journal/Bio%20data%20Advisory%20Board%20members%20and%20Reviewers%20-%20TMC%20Academic%20Journal%20-%20Sep%202012.pdf>
- Member of the Accounting, Finance and International Business Department, Spiru Haret University, Financial Management Accounting, Craiova;
- **Member of CESMAA** – European Centre of Managerial Studies in Business Administration;
http://www.cesmaa.eu/advisory_board.php
- **Member of Chemical Society** from România, since 2008;
- **Member of Balkan Environmental Association (B.E.N.A.)** from Greece, since 2007;
- **Member of Asian Journal of Chemistry** – India;
- **Member of Association for Sustainable Education, Research and Science - ASERS**
- **Member of The World Scientific and Engineering Academy and Society – WSEAS**
- **Reviewer** for *Journal of Applied Economic Sciences (JAES)*;
- **Reviewer** for *Journal of Environmental Management and Tourism (JEMT)*;
- **Reviewer** for *Journal of Research in Educational Sciences (JRES)*
- **Reviewer** for *Journal of Advanced Research in Organizational Psychology (JAROP)*
- **Reviewer** for *Journal of Engineering and Technology Research (JETR)*
- **Reviewer** for *The World Scientific and Engineering Academy and Society – WSEAS*
- **Reviewer** for *TMC Academic Journal, Singapore*
<http://www.tmc.edu.sg/images/stories/tmc/Docs/Journal/Bio%20data%20Advisory%20Board%20members%20and%20Reviewers%20-%20TMC%20Academic%20Journal%20-%20Sep%202012.pdf>
- **Member of Technical Committee al Asian Consumer Protection Research Network** which is under HRD Gateway, an international non-profit organization dedicated to facilitate the exchange of knowledge between professionals in human resources development worldwide.
- **Member in International Program Committee** on *World's Economies In and After Crisis: Challenges, Threats and Opportunities*, **Association for Sustainable Education, Research and Science**, 29 mai 2010;
- **Member** in International Program Committee of *The Second Online International Conference on Competitiveness and Economic Development: Challenges, Goals and Means in a Knowledge based Society* **Association for Sustainable Education, Research and Science**, in 15th December, 2010;
http://www.asers.eu/asers_files/asers-publishing/proceedings/CED_KBS_e-proceedings_online.pdf
- **Member** in International Program Committee of *The First Online International Conference on „ The Real Environmental Crisis – Effects in Tourism Development, Conflicts and Sustainability*, **Association for Sustainable Education, Research and Science**, 30 November, 2010;
http://www.asers.eu/asers_files/conferences/REC/REC_List_of_accepted_papers.pdf

- **Cochair** of the Organizing Committee of 5th International conference „New Tendencies in Knowledge Based Society, 25 November 2011, Craiova, ROMANIA
- **Chairperson** at International Conference of 3rd International Conference on Further Challenges for a Competitive Management, Economics and Environment Section, 2009;
http://www.cesmaa.eu/about_cesmaa/Preliminary_Program_2009.pdf
- **Member** of the Organizing Committee of 2th International conference „Business and Information Technologies. New approaches”, 24 – 25 October 2008, Craiova, ROMANIA
<http://conference2008.uv.ro/>
- **Member** in Scientific Committee of International Conference, "Use of secondary raw materials and natural resources in service of human and technological progress“, 1-2 November, Tbilisi, 2011
http://www.tsu.edu.ge/data/file_db/faculty_zust_sabunebismetk/konf-tezisebi2011.pdf
- **Member** in Scientific Committee of 7th IASME/WSEAS International Conference on ENERGY & ENVIRONMENT (EE '12), Kos Island, Greece, July 14-17, 2012.
<http://www.wseas.org/wseas/cms.action?id=1698>
- **Member** in Scientific Committee of 5th WSEAS International Conference on **CLIMATE CHANGES, GLOBAL WARMING, BIOLOGICAL PROBLEMS (CGB '12)**, Sliema, Malta, September 7-9, 2012
<http://www.wseas.org/wseas/cms.action?id=1473>
- **Member** in Scientific Committee of 3rd International Conference on **DEVELOPMENT, ENERGY, ENVIRONMENT, ECONOMICS (DEEE '12)**, Paris, France December 2-4, 2012
<http://www.naun.org/wseas/cms.action?id=3596>
- **Member** in Scientific Committee of 6th WSEAS International Conference on **Climate Changes, Global Warming, Biological Problems (CGB '13)**, Lemesos, Cyprus, March 16-18, 2013
<http://www.wseas.org/wseas/cms.action?id=3234>
- **Member** in Scientific Committee of 7th WSEAS International Conference on **Waste Management, Water Pollution, Air Pollution, Indoor Climate (WWAI '13)**, Lemesos, Cyprus, March 16-18, 2013.
<http://www.wseas.org/wseas/cms.action?id=3149>
- **Member** in Scientific Committee of 2nd International Conference on **Integrated Systems and Management for Energy, Development, Environment and Health (ISMAEEDH '13)**, Morioka City, Iwate, Japan, April 23-25, 2013
<http://www.naun.org/wseas/cms.action?id=29447>
- **Member** in Scientific Committee of 7th WSEAS International Conference on **RENEWABLE ENERGY SOURCES (RES '13)**, Kuala Lumpur, Malaysia, April 2-4, 2013
<http://www.wseas.org/wseas/cms.action?id=3449>
- **Member** in Scientific Committee of 2nd International Conference on **Sustainable Tourism and Cultural Heritage (STACH '13)**, Brasov, Romania, June 1-3, 2013
<http://naun.org/wseas/cms.action?id=3894>
- **Member** in Scientific Committee of 1st WSEAS International Conference on **HYDROLOGY and ECOLOGY (HYEC '13)**, Rhodes Island, Greece, July 16-19, 2013
<http://www.wseas.org/wseas/cms.action?id=4487>
- **Member** in Scientific Committee of 2nd International Conference on **SUSTAINABLE CITIES, URBAN SUSTAINABILITY and TRANSPORTATION (SCUST '13)**, Baltimore, MD, USA, September 17-19, 2013
<http://naun.org/wseas/cms.action?id=5257>
- **Member** in Scientific Committee of 1st International Conference on **ARCHITECTURE and URBAN DESIGN (ARUD '13)** Baltimore, MD, USA, September 17-19, 2013
<http://naun.org/wseas/cms.action?id=5290>
- **Chair person** at 1st International Conference on CLIMATE CHANGE (CLICH '13), Cambridge, MA, USA, January 30-February 1, 2013
<http://naun.org/wseas/cms.action?id=2263>
- **7 Prizes award** for the research result from National Council of Scientific Research in Higher Education (NCSRHE) 2008 and 2009 for the following articles:
 - scientific paper no. 817, NCSRHE Code 170.
http://www.cnctis.ro/UserFiles/File/PREMIERE_ARTICOLE/ARTICOLE_2008/REZULTATE_ARTICOLE_APARUTE_2008_PRIMITE_2009
 - scientific paper no 82, NCSRHE Code 82.
http://uefiscdi.gov.ro/UserFiles/File/PREMIERE_ARTICOLE/ARTICOLE_2008/REZULTATE_PREMIER E_SEPTEMBRIE%202008.pdf pg. 16.
 - scientific paper no 83, NCSRHE Code 83.
http://uefiscdi.gov.ro/UserFiles/File/PREMIERE_ARTICOLE/ARTICOLE_2008/REZULTATE_PREMIER E_SEPTEMBRIE%202008.pdf

- scientific paper no 763, NCSRHE Code 188.
http://uefiscdi.gov.ro/UserFiles/File/PREMIERE_ARTICOLE/ARTICOLE_2008/REZULTATE_ARTICOLE_APARUTE_2008_PRIMITE_2009.pdf, pg. 140.
- scientific paper no, NCSRHE Code 592.
http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE%281%29.pdf, pg 112.
- scientific paper no. 764, NCSRHE Code 858.
http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE%281%29.pdf
- scientific paper no. 777, NCSRHE Code 594.
http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE%281%29.pdf, pg. 113.

- **15 citations** to scientific articles indexed in ISI Web of Science and international databases or with B+ or B Classification of National Council of Scientific Research in Higher Education;
- **Certificate for linguistic competences** for the English language, issued by the University of Craiova, Faculty of History and Letters, Department of Anglo-American languages;
- **Certificate for the graduation of the PC operating courses**, The Centre for Instruction and Perfecting in Informatics and Management; S.I.C.O. S.A. Craiova.
- **Certificate for the graduation of pedagogic module**, issued by University of Craiova, Faculty of Sciences.
- **Project Manager Certification**, Series F, Nr. 0252318, Kaizen Training Consulting, Ministry of Labour, Family and Social Protection and Ministry of Education, Research and Innovation;
- **Trainer Certification**, Series F, Nr. 0072195, Institute for Human Resource Development, Ministry of Labour, Family and Social Protection and Ministry of Education, Research and Innovation;

Mother tongue(s)

Romanian

Other language(s)

Self-assessment <i>European level</i> (*)	Understanding				Speaking		Writing
	Listening		Reading		Spoken interaction	Spoken production	
English	C1	Experimented User	C1	Experimented User	B2 Independent User	B2 Independent User	B2 Independent User
French	B2	Independent User	B2	Independent User	A1 Elementary User	A1 Elementary User	A1 Elementary User

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

Social skills and competences

Team spirit, experience in team working, adaptability and effective communication, reliability, sociable and dynamic spirit gained during professional activity, included the redactional activity.

Competence area

- Chemistry, Analytical Chemistry, Environmental Chemistry, Analytical control of environment, Analytical control of waters, Environmental management, Tourism, Green Tourism, Sustainable Development, Environmental economics

Organisational skills and competences	<ul style="list-style-type: none"> ■ Managing of editorial and publishing activities for <i>Journal of Environmental Management and Tourism</i>, as Editor in Chief, the journal is indexed in international databases (RePEc, CEEOL, EBSCO, IndexCopernicus, ProQuest); ■ I gained competencies in organizing and coordinating due to active implication in organizing of international symposiums for: <i>1st International Conference on Growth and Innovation of the Economic Competitiveness</i>, Session: <i>Growth and Innovation, Economics</i>, 2007; <i>2nd International Conference on Business and Information Technologies. New Approaches</i>, Session: <i>Economics</i>, 2008; and Chair for <i>3rd International Conference on Further Challenges for a Competitive Management</i>, Session: <i>Economics</i>, 2009 and <i>4th International Conference on The World's Economy in the Times of Global Crisis</i>, 2010; ■ Also, as Member in International Program Committee for: Association for Sustainable Education, Research and Science, 29 May 2010; The First Online International Conference on <i>The Real Environmental Crisis – Effects in Tourism Development, Conflicts and Sustainability</i>, Association for Sustainable Education, Research and Science, 30 November, 2010; The 2nd International Conference on 'The challenges of sustainable tourism development in the times of climate change, Association for Sustainable Education, Research and Science, in 15th December, 2011 the competencies of managing and organizing this conferences gained new meanings;
Computer skills and competences	Windows XP Operation System, MS Office (Word, Excel, Publisher, Power Point), editor and user in <i>Blackboard Academic Suite</i> eLearning Platform for assessment and education.
Other skills and competences	<ul style="list-style-type: none"> ■ Double peer-reviewing referee of scientific journals and International Conferences ■ Organizer of International Conferences and International Workshops ■ Editor, Co-Editor, Guest Editor of Scientific Journals
Driving licence	B Category, Romania, 1998
Additional information	<p>References at request:</p> <p>Prof. PhD Dan SELIȘTEANU Deputy Dean - Education and Research, Faculty of Automation, Computers and Electronics, e-mail dansel@automation.ucv.ro</p> <p>Peter STURM, Directeur de Recherche (_ Professor), INRIA, France. INRIA - Institut National de Recherche en Informatique et en Automatique, Grenoble – Rhône-Alpes, 655 Avenue de l'Europe, 38330 Montbonnot St Martin, France Tel: +33 456 527 133 Peter.Sturm@inria.fr http://steep.inrialpes.fr/people/Sturm/</p> <p>Huong HA, Dean of TMC Business School, and Director of Research & Development, TMC Academy (Singapore), Vice President (Member Service) of HRD Gateway (www.hrdgateway.org), Email: Huong.Ha@newcastle.edu.au</p>

Annexes

The list of scientific articles

Ph.D. Assistant Professor **Cristina Mihaela Barbu**

The PhD thesis

Cristina Barbu "The Analytical Control of Jiu and Olt Rivers. The Determination of Heavy Metals using ICP-MS and AAS"

1. Books published in CNCSIS recognized publishing house

- 1. Barbu Cristina Mihaela.** 2004. *The environmental protection* (in Romanian: *Protecția mediului înconjurător*). Sitech Press, Craiova, 251 pages. ISBN 973 - 657-782 -1.
- 2. Barbu Cristina Mihaela, Selișteanu Adina Sandra.** 2005. *The environmental protection and the economy of environmental protection* (in Romanian: *Protecția Mediului și Economia Protecției Mediului*). Sitech Press, Craiova, 436 pages. ISBN 973-657-950-6.
- 3. Barbu Cristina Mihaela, Selișteanu Adina Sandra.** 2006. *The environmental protection and the economy of environmental protection* (in Romanian: *Protecția Mediului și Economia Protecției Mediului*). Reprograph Press, Craiova, 349 pages. ISBN 973-671-090-4; 978-973-671-090-2.
- 4. I. Popescu, A. Bondrea, Cristina Barbu, A. Gribincea.** 2007. *The ecological balance. The social, economic and judicial implications* (in Romanian: *Echilibrul Ecologic. Implicații sociale, economice și juridice*). Academy of Science of Moldova Press, Chisinau.
- 5. I. Petrescu, Cristina Barbu, N. Cruceru.** 2011. *Environmental Management* (in Romanian: *Management de Mediu*). Course support. Universitaria Press, Craiova, ISBN 978-606-14-0172 -7.
- 6. E. Doval, M. Constantinescu, I.Pîrvu, A. Ștefănescu, L. Nădrag, C. Fircă, Cristina Barbu, G. Cruceru, M. Cruceru, E. Bică, A. Munteanu, S. Dincă.** 2011. *Entrepreneurs in tourism – new organizational solutions* (in Romanian: *Antreprenori în turism - noi soluții organizaționale*). ISBN 978-973-671-301-9.
- 7. Banu C., Galiceanu M., Bogdanoiu C., Barbu Cristina.** 2011. *Woman entrepreneur - successful models* (in Romanian: *Femeia întreprinzător - modele de succes*). Universitaria Press, Craiova, ISBN 978-606-14-0267-0.
- 8. M. Cruceru, Barbu Cristina.** 2011. *Green Tourism* (in Romanian: *Turism Verde*).Universitaria Press, Craiova,. ISBN 978-606-14-0172 -7.
- 9. Barbu Cristina.** 2011. *The environmental protection and the pollution control* (in Romanain: *Protecția Mediului și Controlul Poluării*). Course support. Sitech Press, Craiova, 44 pages. ISBN: 978-606-11-2332-2.
- 10. Cristina Barbu – Editor, Aziri , B.; Bachev, H.; Diófási, O.; Gupta, S.; Ha, H.; Onwuebele, A.** 2012. *Management and Environmental Protection*, ASERS Publishing, ISBN 978-606-93129-3-3, 219 pp.

11. **Cristina Barbu**, Mihail Negulescu. 2012. *Economic, social and cultural rights in international law* (in Romanian: *Drepturile economice, sociale și culturale în legislația internațională*). In George Velicu (coordonator): National and international provisions regarding human rights (in Romanian: *Prevederi legislative interne și internaționale privind drepturile omului*). Sitech Press. ISBN 978- 606 – 11 – 2863 – 1, pp. 46 – 60.

II. *Articles/studies published in Journals indexed in international date bases - ISI*

1. Brănescu Șt. V., Sandru C., David E., Popescu Al., **Barbu Cristina Mihaela**. *Determination of heavy metals in wastewater discharged from chemical platform Rm. Valcea to determine the pollution's degree* (in Romanian: *Determinarea concentrației unor metale grele din apele uzate evacuate de pe platforma chimică Rm, Vâlcea în scopul determinării gradului de poluare*), *Revista de Chimie (București)*, 58, Nr. 11, 2007, pg. 1142-1144. <http://www.revistadechimie.ro/arhiva.asp?lim=ro&rev=ch>
2. **Barbu Cristina Mihaela**, Popescu A., Selișteanu D., Preda A. *Determination of toxic heavy metals present in Jiu River water using ICP-MS*, *Asian Journal of Chemistry*, Vol.20, No 3 (2008), pg. 2037-2046. <http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=20&Issue=3&Article=&Criteria=>
3. Preda A., **Barbu Cristina Mihaela**, Popescu Al., Văsuț F., Pearsică C. *Determination of heavy metals concentration on Olt River water from Valcea area by atomic absorption spectrometry*, *Asian Journal of Chemistry*, Vol 20, No.3 (2008), pg. 1893-1899. <http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=20&Issue=3&Article=&Criteria=>
4. Preda A., Bidica N., **Barbu Cristina Mihaela**, Sbirna S., Popescu Al., Pearsică C., Vasut F. *Gas-Chromatographic Separation of Hydrogen Isotopes Mixtures on Capillary Molecular Sieve 5A Column*, *Asian Journal of Chemistry*, Vol. 20, No. 6 (2008), pages 4883-4886. http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=20&Issue=6&Article=20_6_107&Criteria=
5. **Barbu Cristina Mihaela**, Popescu Al., Selișteanu D., Preda A. *The study of the concentrations of the heavy metals from the Jiu River, in post communist Romania*, *Journal of Environmental Protection and Ecology*, book 3, Vol 9 (2008), pg. 522-530. <http://scibulcom.net/j.php?gd=2008&bk=3>
6. Preda A., Pearsica C., Vasut F., Stefanescu I., Brad S., **Barbu Cristina**, Popescu Al. *The Study of the separation of Hydrogen isotopes mixtures using different concentrations of gas mixtures by Gas Chromatography*, *Asian Journal of Chemistry*, Vol 21, No. 4(2009), pg. 2711-2714. http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=21&Issue=4&Article=21_4_25&Criteria=
7. **Barbu Cristina Mihaela**, Preda A., Ghitulescu A., Popescu A., Petre E., Sendrescu D., Branescu V. *The study of heavy metals concentration on the main rivers from Valcea area*, *Asian Journal of Chemistry*, Vol. 21, No. 4 (2009), pg. 2700-2704. http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=21&Issue=4&Article=21_4_25&Criteria=
8. **Barbu Cristina Mihaela**, Popescu Al., Preda A., Selișteanu D., Stanca D., Brănescu V. *The determination of the concentrations of Cr³⁺ and Cr⁶⁺ on the Jiu River Course using ICP-MS and on the Olt River using AAS*, *Asian Journal of Chemistry*, Vol. 21, No. 4 (2009), pg. 2695-2699. http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=21&Issue=4&Article=21_4_25&Criteria=

9. Rusu L.D., Marutoiu C., Rusu M.L., Simionescu A., Rusu M., Moldovan Z., **Barbu Cristina Mihaela**. *HPTLC and MS for Separation and Identification of Some Beta-blockers in Urine*, Asian Journal of Chemistry, Vol. 22, No. 6 (2010), pp. 4209-4213. http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=21&Issue=4&Article=21_4_25&Criteria=
10. **Barbu Cristina Mihaela**, Ghita E., Simionescu A., Preda A., Ghitulescu A. *Studies on pollutants in Jiu and Olt Rivers of Romania*, Asian Journal of Chemistry, Vol. 22, No. 2(2010), pg. 1301-1306. http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=21&Issue=4&Article=21_4_25&Criteria=
11. Mladin C., Preda A., Stefanescu I., **Barbu Cristina**. *Comparative Study of Heavy Metals from Rivers Around Rm. Valcea and Craiova Chemical Platforms from Romania*, Asian J. Chem., Vol. 22, No. 4(2010), pg. 3169-3172. http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=21&Issue=4&Article=21_4_25&Criteria=
12. Preda A., Vasut F., Stefanescu I., David C., Picioarea I., **Barbu Cristina**, Sbirna S., Pintilie S. *Gas-Chromatographic Analysis of Mixtures of Hydrogen Isotopes using Different Samples Loops*, Asian J. Chem., Vol. 22, No. 6, pg. 4275 - 4280 (2010). http://www.asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=21&Issue=4&Article=21_4_25&Criteria=
13. Preda A., Costinel D., M. Alina, **Barbu Cristina**, Pintilie S., Sbirna S. *Analysis of isotopic ratio of hydrogen from Olt River by mass-spectrometry*, Journal Environmental Protection and Ecology, book 4, vol. 11 (2010), pp. 1458-1464. <http://scibulcom.net/j.php?qd=2010&bk=4>
14. **Barbu Cristina**, Ungureanu L., Ștefănescu L., Ghită E., Constantinescu M., Ștefănescu A., Simionescu A., Preda A. *The Study of Some Heavy Metals Distribution on the Jiu River Course Using ICP-MS and on Olt River Using AAS*. Journal of Environmental Protection and Ecology, Vol 12, No3A, 2011, pp. 1216 -1227. <http://www.jepe-journal.info/vol-12-no3b-2011>
15. Ștefănescu L., Ștefănescu A., Ungureanu L., Constantinescu M., **Barbu Cristina**. *The Expert System and it's Applications for a Sustainable Environment Management*. Journal of Environmental Protection and Ecology, Vol 12, No3A, 2011, pp. 1582 – 1592. <http://www.jepe-journal.info/vol-12-no3b-2011>
16. Ungureanu L., **Barbu Cristina**, Ștefănescu L., Constantinescu M., Ștefănescu A., Simionescu A., Preda A. *Pesticides in the Jiu River Course. Modelling the Evolution of Pesticides Concentration*. Journal of Environmental Protection and Ecology, Vol 12, No3A, 2011, pp. 1320 -1334. <http://www.jepe-journal.info/vol-12-no3b-2011>

III. Articles/studies published in: CNCSIS journals accredited, B and BDI classified

1. **Barbu Cristina Mihaela**, Preda A., Popescu A. *The Study of Heavy Metals Distribution on the Jiu River Course*, The Ovidius University Anals, the Chemistry Series, vol. XVII, nr.2, pg. 198-201, 2006.
2. Preda A., **Barbu Cristina Mihaela**, Popescu Al. *The study of Heavy Metals Distribution on the Olt River Course around Ramnicu Valcea area*, The Ovidius University Anals, the Chemistry Series, vol. XVII, nr.1, pg. 108-211, 2006.
3. Popescu I., **Barbu Cristina**, Gribincea A. *Environment, between catastrophe and balance* (in Romanian: *Mediul înconjurător, între catastrofă și echilibru*). Spiru-Haret University Anals, Economics Series, București, pg. 175-185, Anul 7, nr. 7, 2007.

4. **Barbu Cristina Mihaela**, Popescu I. *Economic component of sustainable development* (in Romanian: *Componenta economică în dezvoltarea durabilă*). Spiru-Haret University Anals, Economics Series, București.
5. **Barbu Cristina Mihaela**, *The effects of the mining activity over the waters from Jiu Valley*, Journal of Applied Economic Sciences, Vol. III, Issue 4(6), pg. 374-381, 2008.
6. Ghiță Emil, **Barbu Cristina**, *Conditions of occurrence and development of public internal audit in Romania*, Eftimie Murgu University Anals, Economic Studies, fascicle no. 2, pg. 285-290.
7. **Barbu Cristina**, *Does the economic crisis affect Oltenia's environment?*, Journal of Applied Economic Sciences, Vol. V, Issue 1(11), pp. 23-29, Spring 2010.
8. **Barbu Cristina**, *How the economic crisis affects the environment*, Journal of Environmental Management and Tourism, Vol.1 Issue 2(2) Winter 2010, pag. 85-91, <http://www.asers.eu/journals/jemt/jemt-issues.html>, ISSN 2068-7729.
9. **Cristina Barbu**, Mihail Negulescu, *Does the economic crisis affect Oltenia's environment (II)?* Journal of Applied Economic Sciences, Vol VI issue 3(17), pp. 205-210, Fall 2011. http://cesmaa.uv.ro/journals/jaes/files/JAES_Fall_2011.pdf

IV. Studies published in: Volumes of some scientific international manifestations recognized in the field

1. Selișteanu D., **Barbu Cristina Mihaela**. *Multivariable adaptive linearizing control of an activated sludge bioprocess*, University of Craiova Anals, Electrical Engineering series, anul 25, nr.25, pg 215-224, Craiova 2001.
2. Ungureanu L., **Barbu Cristina Mihaela**. *Nonlinear dynamics in biotechnology*, CAIM 2005, oct., Pitești University, International Conference, Pitești 2005.
3. **Barbu Cristina Mihaela**. *The situation of the waters of the Jiu River in the context of sustainable development*. Scientific Session with International Participation - The University, part of Romania's post-accession strategies in the European Union – Constantin Brâncuși University, Tg. Jiu, 2007.
4. Preda A., **Barbu Cristina Mihaela**, Popescu Al. *The study of Heavy Metals Distribution on the Olt River Course around Ramnicu Valcea area*, The National Chemical Conference, 12-13 Mai, 2006, Constanta.
5. **Barbu Cristina**, A. Preda, A. Popescu, *The Study of Heavy Metals Distribution on the Jiu River Course*, The National Chemical Conference, 12-13 Mai, 2006, Constanta.
6. **Barbu Cristina Mihaela**, Popescu Al., Selișteanu D., Preda A. *The determination of the concentrations of heavy metals on the Jiu River using ICP-MS, and on the Olt River using AAS*, International Conference on Isotopic and Molecular Processes **PIM-2007**, Cluj 2007.
7. Preda A., **Barbu Cristina Mihaela**, Popescu A., *Experimental study about determination of gamma-activ isotopes from environment samples (soil, vegetation, sediments)*, International Conference on Isotopic and Molecular Processes **PIM-2007**, Cluj 2007.

8. Selișteanu D., Popescu D., **Barbu Cristina Mihaela**, *On-line State Estimation and Identification of a Fed-batch Bioprocess*, WSEAS, Proc. of the 9th WSEAS Int. Conf. on Mathematical and Computational Methods in Science and Engineering, Trinidad and Tobago, November 5-7, 2007.
9. **Barbu Cristina Mihaela**, Popescu Al., Selișteanu D., Preda A. *The study of the concentrations of the heavy metals from the Jiu River, in post communist Romania*, International Conference Sustainable Development in the Balkan Area: Vision and Reality, Alba Iulia, Romania, 2007.
10. Popescu I., **Barbu Cristina**, Gribincea A. *Ecotourism – the millennium 3rd industry* (in Romanian: *Ecoturismul – industria milenului trei*). Symposia Professorum, Free International University of Moldova Anals, Economic series, vol. 6, ISBN 978-9975-9747-5-2, ISSN 1857-1468, pg. 32-45 Chișinău 2007.
11. **Cristina Barbu**. Environmental Policy (in Romanian: *Politica de mediu*). Symposia Professorum, Free International University of Moldova Anals, Economic series, ISBN 9975-934-83-8, pg. 98-103, Chișinău 2007.
12. **Cristina Barbu**. Environmental Policy in UE (in Romanian: *Politica de mediu in UE*). Symposia Professorum, Economics Studies - scientific journal, pg. 156-1662, an I, Chișinău, nr.3/2007.
13. Preda A., Bornea A., Pearsica C., Vasut F., **Barbu Cristina**, Popescu Al., *Gas-chromatofgraphic analysis of mixtures of hydrogen isotopes using different samples loops*, The Sixth "PIM" Conference "Isotopic Processes" 2008, September 22 – 24 Cluj-Napoca, Romania.
14. **Cristina Barbu**, Laura Ungureanu, Laura Stefanescu, Emil Ghita, Andreea Simionescu, Anisoara Preda, *The Study of some Heavy Metals Distribution on the Jiu River Course using ICP-MS and on the Olt River using AAS*, International U.A.B. – B.E.N.A WORKSHOP, "Management and Sustainable protection of Environment Management", Alba Iulia, Romania, May 6-7th, 2009.
15. Laura Ungureanu, **Cristina Barbu**, Laura Stefanescu, Madalina Constantinescu, Andreea Simionescu, Anisoara Preda, *The pesticides on the Jiu River course. The modelling of the evolution of the concentration of pesticides*, International U.A.B. – B.E.N.A WORKSHOP, "Management and Sustainable protection of Environment Management", Alba Iulia, Romania, May 6-7th, 2009.
16. Laura Ștefănescu, Laura Ungureanu, **Cristina Barbu**, Mădălina Constantinescu, *The Expert System and its applications in the environment management*, International U.A.B. – B.E.N.A WORKSHOP, "Management and Sustainable protection of Environment Management", Alba Iulia, Romania, May 6-7th, 2009.
17. Emil Ghiță, **Cristina Barbu**, *Conditions of occurrence and development of public internal audit in Romania. **International Scientific Conference*** "Social Policy and Public Administration in the European Context", Resita, 8-9 May 2009.
18. **Barbu Cristina**. *Does the economic crisis affect Oltenia's environment?*, International Conference, "Further Challenges for a Competitive Management", Craiova, Romania, 23-24 October, 2009.
19. **Barbu Cristina**. *Is the Crisis bad or Good for the Environment?*, Proceedings of the ASERS First on-line Conference on World's Economies In and After Crisis: Challenges, Threats and Opportunities, ISBN: 978-606-92386-0-8, pp. 34-43.

20. Laura Ungureanu, **Cristina Barbu**, Mădălina Constantinescu, *The Modelling of the Evolution of the Concentrations of Pesticides on the Jiu River Course*, Proceedings of the ASERS First on-line Conference on The Real Environmental Crisis – Effects in Tourism Development, Conflicts and Sustainability, ISBN: 978-606-92386-3-9, pp 72 - 82.
21. **Barbu Cristina**, Mihail Negulescu. *Does the economic crisis affect Oltenia's environment (II)?*, The 4th International Conference on „The World's Economy in the Times of Global Crisis”, 5 - 6 November 2010, Craiova, Romania, 5-6 November, 2010.
22. **Cristina Barbu**, Laura Stefanescu, Laura Ungureanu, Madalina Constantinescu, Anisoara Preda, *Natural and anthropic resources used in sustainable tourism development in Oltenia*, International U.A.B. – B.EN.A. Conference „Environmental engineering and sustainable development”, Alba iulia, Romania, May 26-27th, 2011.
23. Mihail Negulescu, **Cristina Barbu**, Mirela Ghita, Stefania Costea: *Implementation of environmental management system and its effects. Case study at Vie Vinju Mare Company*, International U.A.B. – B.EN.A. Conference „Environmental engineering and sustainable development”, Alba iulia, Romania, May 26-27th, 2011.
24. Laura Ungureanu, Laura Stefanescu, Madalina Constantinescu, **Cristina Barbu**, *Optimal management of renewable and exhaustible resources*, International U.A.B. – B.EN.A. Conference „Environmental engineering and sustainable development”, Alba iulia, Romania, May 26-27th, 2011.
25. **Barbu Cristina**, Mihail Negulescu. *Comparison between the two environmental management systems: emas and iso 14000*, The 5th International Conference on “New Tendencies in Knowledge Based Society”, Craiova, ROMANIA 25 November 2011.
26. **Barbu Cristina**, Dan Cruceru. Romania as a future destination for tourism. Proceedings of the ASERS Second on-line Conference on The challenges of sustainable tourism development in time of climate change, ISBN: ISBN 978-606-92386-9-1.

V. The research projects and the CNCSIS Grants

1. *Modern methods of adaptive, vibrational and sliding control of nonlinear systems. Applications to bioprocess depollution*, 2005-2006, contract no. 27661 / 14.03.2005, Cod CNCSIS 90, Theme 17, (value 20.000 RON), director: D. Selisteanu, collective: V. Rasvan, E. Petre, C. Marin, D. Popescu, E. Bobasu, **Cristina Barbu**, C. Ionete i.e. Member in research group.
2. *Modern methods of adaptive, vibrational and sliding control of nonlinear systems. Applications to bioprocess depollution*, 2005-2006, contract no. 27661 / 14.03.2005, Cod CNCSIS 90, Theme 17, (value 20.000 RON), the additional act **17 C / 18.04.2006**, Cod CNCSIS 90, Theme 28, (value 24.000 RON), director: D. Selisteanu, collective: V. Rasvan, E. Petre, C. Marin, D. Popescu, E. Bobasu, **Cristina Barbu**, C. Ionete i.e. Member in research group.
3. *Advanced procedures for modelling, identification and nonlinear control of biochemical and biotechnological processes for water quality improvement*, Grant Contract no. 29C/08.05.2007, Cod CNCSIS 621, Theme 13, University of Craiova – MedC, director: E. Petre, collective: V. Rasvan, E. Bobasu, D. Selisteanu, C. Ionete, **Cristina Barbu**, D. Sendrescu etc. Member in research group.

4. *Advanced procedures for modelling, identification and nonlinear control of biochemical and biotechnological processes for water quality improvement*, 2008, Contract no. 29C/08.05.2007, Cod CNCSIS 621, Theme 13, 75000 lei, director: E. Petre, collective: V. Rasvan, E. Bobasu, D. Selisteanu, C. Ionete, **Cristina Barbu**, D. Sendrescu etc. Member in research group.
5. Structural Funds - POS DRU – short term expert (tip A) within the research project ID 38862, which values 848 125 lei – *The Development of the Working Opportunities for the Didactic Personnel* – POS DRU, lecturer, titular of the course „Environmental protection and pollution control”.
6. Project co-financed by the European Social Fund through the Operational Programme Human Resources Development, DMI 3.1. *Entrepreneurs in tourism*, lecturer, holder of the course “Green Tourism”.
7. Project co-financed by the European Social Fund through the Operational Programme Human Resources Development, DMI 6.3. *Performance in career and business for women*, ID_58571, lecturer, holder of the course “Environmental Management”.
8. Research Contract with environmental business by theme *New funding opportunities of the enterprise*, contract with S.C. IGO S.A. Caracal which values 8.552,80 lei. Member in research group.
9. Research Contract with environmental business by theme *Policies and strategies to promote export of vegetables in the new European economic context. Case study at S.C.SERE Universal contract with S.C.SERE Universal* which values 8.552,80 lei. Member in research group

VI. Prize award for the results of the research – prize award CNCSIS for the following articles

1. Preda A., Bidica N., **Barbu Cristina Mihaela**, Sbirna S., Popescu Al., Pearsică C., Vasut F., *Gas-Chromatographic Separation of Hydrogen Isotopes Mixtures on Capillary Molecular Sieve 5A Column*, Asian Journal of Chemistry, Vol. 20, No. 6 (2008), pages 4883-4886 – premiere în valoare de 2000 RONI, scientific paper no. 82, NCSRHE Code 82.

http://uefiscdi.gov.ro/UserFiles/File/PREMIERE_ARTICOLE/ARTICOLE_2008/REZULTATE_PREMIERE_SEPTEMBRIE%202008.pdf pg. 16.

2. Preda A., **Barbu Cristina Mihaela**, Popescu Al., Văsuț F., Pearsică C., *Determination of heavy metals concentration on Olt River water from Valcea area by atomic absorption spectrometry*, Asian Journal of Chemistry, Vol 20, No.3 (2008), pg. 1893-1899 – premiere în valoare de 2000 RONI, scientific paper no 83, NCSRHE Code 83.

http://uefiscdi.gov.ro/UserFiles/File/PREMIERE_ARTICOLE/ARTICOLE_2008/REZULTATE_PREMIERE_SEPTEMBRIE%202008.pdf, pg. 19.

3. **Barbu Cristina Mihaela**, Popescu Al., Selișteanu D., Preda A., Constantinescu M., *The study of the concentrations of the heavy metals from the Jiu River, in post communist Romania*, Journal of Environmental Protection and Ecology, book 3, Vol 9 (2008), pg. 522-530 – premiere în valoare de 2000 RONI, scientific paper no. 817, NCSRHE Code 170.

http://uefiscdi.gov.ro/UserFiles/File/PREMIERE_ARTICOLE/ARTICOLE_2008/REZULTATE_ARTICOLE_APARUTE_2008_PRIMIT_E_2009.pdf, pg. 150.

4. Barbu Cristina Mihaela, Popescu A., Selișteanu D., Preda A., *Determination of toxic heavy metals present in Jiu River water using ICP-MS*, Asian Journal of Chemistry, Vol.20, No 3 (2008), pg. 2037-2046 – premiere în valoare de 2000 RONI, scientific paper no. 763, NCSRHE Code 188.

http://uefiscdi.gov.ro/UserFiles/File/PREMIERE_ARTICOLE/ARTICOLE_2008/REZULTATE_ARTICOLE_APARUTE_2008_PRIMIT_E_2009.pdf, pg. 140.

5. Barbu Cristina Mihaela, Preda A., Ghitulescu A., Popescu A., Petre E., Sendrescu D., Branescu V., *The study of heavy metals concentration on the main rivers from Valcea area*, Asian Journal of Chemistry, Vol. 21, No. 4 (2009), pg. 2700-2704, scientific paper no. 770, NCSRHE Code 592.

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE%281%29.pdf, pg. 112.

6. Barbu Cristina Mihaela, Popescu Al., Preda A., Selișteanu D., Stanca D., Brănescu V., *The determination of the concentrations of Cr³⁺ and Cr⁶⁺ on the Jiu River Course using ICP-MS and on the Olt River using AAS*, Asian Journal of Chemistry, Vol. 21, No. 4 (2009), pg. 2695-2699, scientific paper no. 764, NCSRHE Code 858.

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE%281%29.pdf, pg. 111.

7. Preda A., Pearsica C., Vasut F., Stefanescu I., Brad S., Barbu Cristina, Popescu Al., *The Study of the separation of Hydrogen isotopes mixtures using different concentrations of gas mixtures by Gas Chromatography*, Asian Journal of Chemistry, Vol 21, No. 4(2009), pg. 2711-2714, scientific paper no. 777, NCSRHE Code 594.

http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE%281%29.pdf, pg. 113.

VII. Citations on the following articles (from Web of Science)

1.Barbu Cristina Mihaela, *The effects of the mining activity over the waters from Jiu Valley*, Journal of Applied Economic Sciences, Vol. III, Issue 4(6), pg. 374-381, 2008.

Author(s): R van Ek, E Smidt, F Vliegthart, D Dudau

Source: Data Collection Report and Conceptual Modeling”, serving an integrated approach of soil and water problemsin, Jiu river basin, October 2010 - 192.87.35.54

2.Barbu Cristina Mihaela, Preda A., Popescu A., *The Study of Heavy Metals Distribution on the Jiu River Course*, Analele Universității Ovidius, seria Chimie, vol. XVII, nr.2, pg. 198-201, 2006.

Author(s): R van Ek, E Smidt, F Vliegthart, D Dudau

Source: Data Collection Report and Conceptual Modeling”, serving an integrated approach of soil and water problems in Jiu river basin, October 2010 - 192.87.35.54

3. Barbu Cristina, *Does the economic crisis affect Oltenia's environment?*, Journal of Applied Economic Sciences, Vol. V, Issue 1(11), pp. 23-29, Spring 2010.

Author(s): Ravinder RENA, Harold Pupkewitz. „*The global economic downturn and african economy–recent trends and future prospects.*

Source: JAES, Volume V/Issue 4 (14) /Winter **2010**, pp. 383- 394.

4.Barbu Cristina, *Does the economic crisis affect Oltenia's environment?*, Journal of Applied Economic Sciences, Vol. V, Issue 1(11), pp. 23-29, Spring 2010.

Author(s): George HALKOS, Environmental pollution and economic development: explaining the existence of an environmental Kuznets curve.

Source: JAES, Volume VI / Issue 2(16)/ Summer 2011, pp. 148-159.

5. Brănescu Șt. V., Sandru C., David E., Popescu Al., Barbu Cristina Mihaela, *Determinarea concentrației unor metale grele din apele uzate evacuate de pe platforma chimică Rm, Vâlcea în scopul determinării gradului de poluare*, Revista de Chimie (București), 58, Nr. 11, 2007, pp. 1142-1144.

Author(s): Mihai.M, Dabija D., Costache C., Vaireanu D.I. *Complex formation between weak anionic polyelectrolyte and medium cationic surfactant,*

Source: Revista de Chimie (București), 61, Issue1, **Jan. 2010**, pp. 36-40.

6. Brănescu Șt. V., Sandru C., David E., Popescu Al., Barbu Cristina Mihaela, *Determinarea concentrației unor metale grele din apele uzate evacuate de pe platforma chimică Rm, Vâlcea în scopul determinării gradului de poluare*, Revista de Chimie (București), 58, Nr. 11, 2007, pp. 1142-1144.

Author(s): Mihai.M, Dabija D., Costache C., Vaireanu D.I. *Anionic Polymer-Cationic Surfactant Complex used in the Coagulation and Flocculation Processes.*

Source: Revista de Chimie (București), 61, Issue.5, **May 2010**, pp. 449-454.

7. Brănescu Șt. V., Sandru C., David E., Popescu Al., Barbu Cristina Mihaela, *Determinarea concentrației unor metale grele din apele uzate evacuate de pe platforma chimică Rm, Vâlcea în scopul determinării gradului de poluare*, Revista de Chimie (București), 58, Nr. 11, 2007, pp. 1142-1144.

Author(s): Stefan Mircea; Stefan Daniela Simina, Study of Cadmium Sorption on Na-Montmorillonite. **Source:** Revista de Chimie (București), 60, Issue 11, **Jan. 2010**, pp. 1169-1174.

8. Cristina Barbu, A. Popescu, D. Selișteanu, A. Preda, “*Determination of the Concentration of Some Toxic Heavy Metals on the Jiu River Course using ICP-MS*”, Asian Journal of Chemistry, Vol. 20, No. 3, pp. 2037-2046, 2008, ISSN 0970-7077.

Author(s): M.A. Khan, Y.S.Ho. „*Arsenic in Drinking Water: A Review on Toxicological Effects, Mechanism of Accumulation and Remediation*”.

Source: Asian Journal of Chemistry, ISSN 0970-7077, Vol. 23, Issue 5, pp. 1889-1901, **2011**, ISI (FIR 0.05455, SRI 0.10201)

9. Cristina Barbu, A. Popescu, D. Seligșteanu, A. Preda, "Determination of the Concentration of Some Toxic Heavy Metals on the Jiu River Course using ICP-MS", Asian Journal of Chemistry, Vol. 20, No. 3, pp. 2037-2046, 2008, ISSN 0970-7077.

Author(s): D. Yan, D.D. Gang, N. Zhang, L.S. Lin, „*Iron Oxide-Coated GAC Adsorbents: Diffusion-Controlled Sorption of Selenite*”.

Source: Industrial & Engineering Chemistry Research, ISSN 0888-5885, Vol. 50, Issue 4, pp. 2214-2219, **2011**, ISI (FIR 0.98377, SRI 1.81481).

10. Preda A., Bidica N., **Barbu Cristina Mihaela**, Sbirna S., Popescu Al., Pearsică C., Vasut F., *Gas-Chromatographic Separation of Hydrogen Isotopes Mixtures on Capillary Molecular Sieve 5A Column*, Asian Journal of Chemistry, Vol. 20, No. 6 (2008), pages 4883-4886.

Author(s): Whisnant C. Steven; Hansen Patrick A.; Kelley Travis D. *Measuring the relative concentration of H(2) and D(2) in HD gas with gas chromatography*

Source: REVIEW OF SCIENTIFIC INSTRUMENTS, Volume: **82**, Issue: **2**, Article Number: **024101**, DOI: **10.1063/1.3531974**, Published: **FEB 2011**, ISI (FIR 1.745, SRI 0.706)

11. Preda A., Pearsica C., Vasut F., Stefanescu I., Brad S., **Barbu Cristina**, Popescu Al., *The Study of the separation of Hydrogen isotopes mixtures using different concentrations of gas mixtures by Gas Chromatography*, Asian Journal of Chemistry, Vol 21, No. 4(2009), pg. 2711-2714.

Author(s): Shi, Shunpinga Luo, Wenlanga, Zhu, Zhenghe, aLiu, Xiuhua Fu, Yibei Jiang, Gang Wang, Rong Hua, Yawen. *The Reversible Decomposition Voltages of H₂O, D₂O, T₂O under the Dipole Electric Field*

Source: ACTA CHIMICA SINICA No. 10, Vol. 68, 2010, pages 975 - 981

12. Preda A., Bidica N., **Barbu Cristina Mihaela**, Sbirna S., Popescu Al., Pearsică C., Vasut F., *Gas-Chromatographic Separation of Hydrogen Isotopes Mixtures on Capillary Molecular Sieve 5A Column*, Asian Journal of Chemistry, Vol. 20, No. 6 (2008), pages 4883-4886.

Author(s): Shi Shunping; Luo Wenlang; Zhu Zhenghe; et al. *The Reversible Decomposition Voltages of H(2)O, D(2)O, T(2)O under the Dipole Electric Field*

Source: ACTA CHIMICA SINICA Volume: **68**, Issue: **10**, Pages: **975-981**, Published: **MAY 28, 2010**.

13. Preda A., Pearsica C., Vasut F., Stefanescu I., Brad S., **Barbu Cristina**, Popescu Al., *Separation of Hydrogen isotopes mixtures using different concentrations of gas mixtures by Gas Chromatography*, Asian Journal of Chemistry, Vol 21, No. 4(2009), pg. 2711-2714.

Author(s): Whisnant C. Steven; Hansen Patrick A.; Kelley Travis D. *Measuring the relative concentration of H(2) and D(2) in HD gas with gas chromatography*

Source: REVIEW OF SCIENTIFIC INSTRUMENTS Volume: **82**, Issue: **2**, Article Number: **024101**, DOI: **10.1063/1.3531974** Published: **FEB 2011**, ISI (FIR 1.745, SRI 0.706).

14. Preda A., Pearsica C., Vasut F., Stefanescu I., Brad S., **Barbu Cristina**, Popescu Al., *Separation of Hydrogen isotopes mixtures using different concentrations of gas mixtures by Gas Chromatography*, Asian Journal of Chemistry, Vol 21, No. 4(2009), pg. 2711-2714.

Author(s): Shi Shunping; Luo Wenlang; Zhu Zhenghe; et al. *The Reversible Decomposition Voltages of H(2)O, D(2)O, T(2)O under the Dipole Electric Field*

Source: ACTA CHIMICA SINICA, Volume: **68** Issue: **10** Pages: **975-981** Published: **MAY 28 2010**