

Europass Curriculum Vitae



Personal information

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Nationality Romanian
Gender F

Employment / Occupational field

**Gheorghe Asachi Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Environmental Engineering and Management Department
Professor**

Work experience

<p>Dates 2017</p> <p>Occupation or position held Professor</p> <p>Main activities and responsibilities Vice Dean for Research and International Relationships Member of CNATDCU, Environmental Engineering Committee Scientific coordinator of the Environmental Engineering and Impact Assessment Research Center of the Gheorghe Asachi Technical University of Iasi, accredited CNCSIS (2010-present); PhD supervisor in Environmental Engineering and member in evaluation of doctoral theses committee Research in: environmental biotechnology, complex and integrated processing of biomass resources; biorefining.</p> <p>Name and address of employer Editor of Bulletin of the Polytechnic Institute of Iasi, Series Chemistry Gheorghe Asachi Technical University of Iasi, Environmental Engineering and Management Department</p> <p>Type of business or sector Higher education, research</p>	<p>Dates 2008- 2016</p> <p>Occupation or position held Associate Professor (Senior Researcher)</p> <p>Main activities and responsibilities Teaching, project manager, researching, evaluation, management, Head of Environmental Engineering and Management Department (2009-2012)</p> <p>Name and address of employer Gheorghe Asachi Technical University Iasi, Environmental Engineering and Management Department</p> <p>Type of business or sector Higher education, research</p>
<p>Dates 1999 – 2007</p> <p>Occupation or position held Lecturer (Senior Researcher)</p> <p>Main activities and responsibilities Teaching, research, project manager</p> <p>Name and address of employer Gheorghe Asachi Technical University of Iasi, Environmental Engineering and Management Department</p>	

Type of business or sector	Higher education, research
Dates	2001-2003
Occupation or position held	Technical Expert
Main activities and responsibilities	Project management, assessment and approval of applications for rural development projects in NE region of Romania
Name and address of employer	Ministry of Agriculture, Food and Forestry, SAPARD (Special Accession Program for Agriculture and Rural Development) Agency
Type of business or sector	Project management
Dates	1997 – 1999
Occupation or position held	Senior Researcher
Main activities and responsibilities	Research and development, project manager, head of Laboratory
Name and address of employer	Research and Development Station for Viticulture and Wine Making Iasi, 48, M. Sadoveanu street.
Type of business or sector	Research-Development and Technology Transfer
Dates	1995 – 1997
Occupation or position held	Researcher
Main activities and responsibilities	Research and development
Name and address of employer	Research and Development Station for Viticulture and Wine Making Iasi, 48, M. Sadoveanu street.
Type of business or sector	Research-Development

Education and training

Dates	03. 2016
Title of qualification awarded	Habilitation Thesis
Principal subjects/occupational skills covered	Environmental Engineering
Name and type of organisation providing education and training	Gheorghe Asachi Technical University of Iasi
Dates	05.2011
Title of qualification awarded	diploma I 0002630 2119
Principal subjects/occupational skills covered	Training program "Strategic academic management"
Name and type of organisation providing education and training	Gheorghe Asachi Technical University of Iasi
Dates	01.06 – 10. 06. 2009
Title of qualification awarded	Certificate of Completion
Principal subjects/occupational skills covered	Training and Research in Environmental Health in the Balkans
Name and type of organisation providing education and training	Michigan State University, Institute of International Health Program
Dates	10.1996 – 03.2002
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Chemical Engineering
Name and type of organisation providing education and training	Gheorghe Asachi Technical University of Iasi
Dates	06.1994 – 09.1994
Title of qualification awarded	Diploma of studies

Principal subjects/skills covered	Oenology, Viticulture and Environmental Protection				
Name and type of organisation providing education and training	Université Internationale d'Eté Narbonne France				
Dates	09.1986 – 06.1991				
Title of qualification awarded	Engineer Diploma				
Principal subjects/occupational skills covered	Chemical Engineering and Industrial Management				
Name and type of organisation providing education and training	Gheorghe Asachi Polytechnic Institute of Iasi, Faculty of Industrial Chemistry				
Personal skills and competences					
Mother tongue(s)	Romanian				
Self-assessment	Understanding		Speaking		Writing
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	B1	B2	C1
French	C1	C2	B1	B1	B2
Social skills and competences	Ability to work with other people, in multicultural environments, in situations where communication and teamwork are essentials				
Organisational skills and competences	Coordination and management skills (people, projects, budgets) Leadership				
Competences and expertise in evaluation	Official referent in PhD defense committees (12) (Gheorghe Asachi Technical University of Iasi, University of Porto, Portugal); Reviewer for international scientific journals.				
Technical skills and competences	Working with computer, with different types of research equipment facilities				
Driving licence	B Category				
Additional information					
Research accomplishments	<p>45 ISI peer-reviewed journal articles; 35 peer-reviewed journal articles indexed in international data bases; 31 international conference proceeding publications; 8 books and 4 chapters (in Romanian); 2 chapters Springer Ed. 47 research reports 1 patent</p> <p>over 470 citations (without self citation) recorded in Web of science Citation Index; h 8. http://apps.webofknowledge.com/CitationReport.do?product=UA&search_mode=CitationReport&SID=Y2LmYRkD2ROYzzbPk2F&page=1&cr_pqid=3&viewType=summary 958 citation in Google Scholar Citation Index, h 11. http://scholar.google.com/citations?hl=ro&user=eoQ68rEAAAAJ&view_op=list_works&gmla=AJsN-F5pdagVPYzTRS0da-ujVwo-oW_091Q_8g4GLMbUNbo7pOTe_9kqnBrAGBVfkBGstC7LIO5MSZHE_vHfLyAC1uR-FtJEL_X3psdHMkSNU1iHPI0CqSOTW_YaVTvobtk1NtVbar_0cJ8-ZfFIQJNqFODVTcKGJA 6 projects conducted as primary investigator and project manager and 24 projects (4 international +20 national) conducted as researcher or co-primary investigator</p>				

Areas of interest:	<p>Assessment and identification of valuable bioresources for bio based products and bio energy; Complex processing of biomass using green chemistry principles; biorefinery; bio based economy; Extraction (including supercritical fluid extraction, ultrasonication, microwave assisted extraction), separation and characterization of secondary and main compounds of biomass; Environmental Biotechnology:</p> <ul style="list-style-type: none"> - bioremediation of degraded soils and poor crop production based on biomass (peat, sawdust, cello-lignin and polyphenolic products) as amendments; - phytoremediation; - removal of heavy metal ions using natural sorbents.
Other specializations and qualifications	<ul style="list-style-type: none"> - Training program "NanoRomania Workshop, organized by the CFU's Nano science Technology Center Florida USA, 2 to 5 June 2009. - Intensive course in the Workshop's "Sustainable Tourism Certification Eco-Labeling" organized by the Environmental Engineering and Management Department in collaboration with International Institute for Industrial Environment and Economics, Lund, Sweden, April 2004. - Intensive course in "Ecodesign and Product Innovation", organized by Environmental Engineering and Management Department in collaboration with International Institute for Industrial Environment and Economics, Lund, Sweden, April 2004. - Intensive course in the Workshop's "Waste Management" organized by Environmental Engineering and Management Department in collaboration with International Institute for Industrial Environment Economics, Lund, Sweden, April 2004. - Course "General English". EuroEd Foundation. International Language Center, Iasi, June 2002. - Course Project Management Research, Development and Innovation, organized by Managerial Agency for Scientific Research, Innovation and Technology Transfer - (AMCSIT) Politehnica Bucuresti, graduation certificate 630 / 08.06.2001. - International Seminar "EU Directives and Voluntary Standardization in Support of Increasing the Economic Efficiency of the Standards Users" Iasi 30 August 31, 2001. - Human Resources Training Program in Public Administration. European Integration Ministry, Iasi, June 2001. - Course organized by the Center for Organization and Further calculation of specialists from the food industry (COCPICIA) Bucharest Certification for performing particular treatments, June 1993.
Scientific prizes awarded	<p>International Exhibition of Inventions PROINVENT 8th edition, 2010, Cluj-Napoca - diploma and gold medal for excellence for BI: Concentrated grape juice with antioxidant properties and process for obtaining it. BI no. 122 471 in 30.07. 2009.</p> <p>Exhibition Regional Research, Bacau, 2009, Diploma of Excellence for research contract with the theme: Extending the facilities of laboratory for estimation, characterization and valorization of renewable resources (biomass) by chemical and biotechnological processes.</p> <p>International Exhibition of Inventions, Scientific Research and Technologies, 2010, ANCS & Romexpo Exhibitions center, 6-9 oct., gold medal for BI Concentrated grape juice with antioxidant properties and process for obtaining it. BI no. 122 471/30.07. 2009.</p> <p>Academy of Agricultural Sciences and Forestry, Romanian Society of Horticulture, RSH Award for 2008 for the volume Eco-Technologies, Eco-Products, Eco-services, Irina Volf, Ed. Ecozone, Iasi, 2006.</p>
Visiting Professor	<p>2006: Université d'Orléans, France, Institute de Chimie Organique et Analytique, doctoral course, lectures: Analyse des molécules avec activité biologique et thérapeutique. Produits naturels</p> <p>2007: Munich Technical University, Institute of Advanced Studies on Sustainability</p> <p>2008: Université de Haute Alsace Mulhouse, France, Juin 2008</p> <p>2010: Université de Rouen France, July 2010</p> <p>2011: Université de Rouen France, Juin-Julie 2011.</p> <p>2012: Université de Pau et des Pays de l'Adour, France, Juin-Julie 2012</p> <p>2013: Université de Toulon Var, France, May - Juin, 2013</p> <p>2014: University of Porto, Portugal, May 2014</p> <p>2015, 2016: University of Porto, Portugal.</p>

Journals Reviewer American Journal of Agriculture and Food Chemistry; Journal of Cleaner Production; Carbohydrate Polymers; Desalination and Water Treatment; Journal of Colloid and Interface Science; Folia Microbiologica; Chemical Engineering Journal; Environmental Technology; Bulletin of Iasi Polytechnic Institute; Environmental Engineering and Management Journal; Cellulose Chemistry and Technology; Fresenius Environmental Bulletin; Environment International; Environmental Science and Technology, Agrotechnology, Current Opinion in Food Science, International Journal of Phytoremediation, International Journal of Modern Biology and Medicine.

ECOZONE Press Editor

Developing partnerships in the framework of the international program Erasmus+

- "Gheorghe Asachi" Technical University of Iasi Romania – **Kocaeli University**, Turkey, Erasmus + bilateral agreement in 2014- 2021.
- "Gheorghe Asachi" Technical University of Iasi Romania - **Universita degli Studi di Modena e Reggio Emilia** Erasmus + bilateral agreement in 2014- 2021.
- "Gheorghe Asachi" Technical University of Iasi Romania - **Akademia im Jana Dlugoszaw Czestochowie** (Jan Dlugosz University in Czestochowie) Erasmus + bilateral agreement in 2014-2021.
- "Gheorghe Asachi" Technical University of Iasi Romania – **University of Porto**, Portugal, Erasmus bilateral agreement in 2013, 2014-2021.
- "Gheorghe Asachi" Technical University of Iasi Romania - **Université d' Avignon**, France, Erasmus bilateral agreement in 2013, 2014-2021.
- "Gheorghe Asachi" Technical University of Iasi Romania - **Ege University**, Ýzmir, Turkey, Erasmus bilateral agreement, 200 - 2014, 2014-2021.
- "Gheorghe Asachi" Technical University of Iasi Romania - **Université d'Artois**, France, the bilateral LLP (Lifelong Learning Program) Erasmus Program, 2008 – 2012.

The experience gained in national or international programs/projects

- 1993 -2000 ORIZONT 2000 program - Processes, Procedures and Technologies for Conservation, Industrialization and Exploitation of Food Resources, Protection of Food and Human Nutrition. Biotechnology and bioengineering of specific operations, processes, procedures and technologies for increasing food resources and products quality.
- 1993 - 2000 Systems, modules, plants and equipment for agro-systems environmental and economic performance.
- 1995-2000 COPMOL Program: New technologies in Viticulture and Winemaking in NE region and Republic of Moldova plantations.
- 2000 – 2002 RELANSIN Program: Patenting and Promote the Production of a New Vine Variety for White Superior Wines with Increased Resistance to Frost.
- 2001-2004: project manager RELANSIN Program, contract 1531/2001: Isolation and Selection of Yeast Strains in Areas with Cotnari origin designation, for Obtaining Vineyard Specific Wines.
- 2002 – 2004: project manager AGRAL Program, contract 222/2002: Implementing and Promoting the Technology for a New Food Supplement with Antioxidant Activity based on Natural Grape Juice and Seed Extracts.
- 2001-2004 AGRAL Program: Legalization of *Busuioacă de Bohotin* Clones with High Production Quality designed to Produce Aromatic Rosé Wines.
- 2001-2003 The NURC Contract -2001: Antioxidant natural Compounds and Pathway of Synthesis.
- 2001-2003 GROWTH Program 2001: Coordination network for Lignin EC Standardization, Production and Applications Adapted to Market Requirements (EUROLIGNIN).
- 2005-2006 NURC Grant A, Contract 34664/24.06.2005, Code 511, issue 27, Identification and Analysis of Strategies and Technologies for Pollution Prevention and Cleaner Production, as Instruments of Sustainable Development, Production Systems and Services.
- 2005-2006 NURC Grant A, code 774: Bioremediation of Environmental Factors Affected by Pollution applying Specific Processes of Chemical Engineering and Biotechnology.
- 2005-2008 CEEX Program - 2005: contract no.65/2005 Advanced Treatment Technologies to Recycle Industrial Effluents (RIWATECH).
- 2005-2007 CEEX Program - 2006: M3 CNMP, contract no. 115/2007 Integrated Network for Sustainable Management of Water Resources.

2005-2008	CEEX Program – 2006, contract no.91/2005: New nanostructured systems for controlled release of pharmacological agents (NANOCOFARM).
2006	CEEX Program - M2 2006 contract no. 1650/26.09.2006. Education and Training in Research Management. SC Rulmentul Barlad.
2006	CEEX Program - M2 2006 contract no. 1651 / 26.09.2006. Education and Training in Research Management. SC Antibiotice SA Iasi.
2006-2008	Program Socrates Erasmus–MOD-51388-IO-1-2004-1-RO-ERASMUS-MODUC-6. „MASS-Management and Security Assessment for Sustainable Environment”.
2007 - 2009: project manager	PNCDI II Program Capacities, contract no.94/2007; Infrastructure Development of Laboratory in order to Estimate, Characterize and Recovery Renewable Resources (biomass), using Chemical and Biotechnological Processes”(Medres LAB).
2007 - 2010: project manager	P2 PNCDI II Partnerships in Priority Areas; funding contract no. 61 038/18.09.2007 Advanced Research for Microbiological Agents Elimination in Water Purification Processes Using a new UV Radiation Prototype.
2008-2011	PN II ID 2008 PCE 2, Ideas, Code 368, Combined Processes of Advanced Wastewater Treatment for Persistent Organic Pollutants Elimination and Wastewater Biodegradability Improvement.
2008-2011	PNCDI II Partnerships in Priority Areas; funding contract No 32 125/2008, Technical and Decisional-Support System for Sustainable Water Management.
2008-2010	COST FP 0602 Biotechnology for Lignocelluloses Biorefinery.
2009 – 2011: team leader	COST FP 0901 Analytical Techniques for Biorefinery.
2009-2012	POSDRU/52/5.2/G/38328 Integrated Strategy for the Development of Private Initiative in non-Agricultural Sectors in Rural Areas of Bacau County.
2007-2012	POS-DRU 2007-2013 Correct Information – The key for studies recognition, Ministry of Education, Research and Innovation, National Centre for Recognition and Equivalence of Diplomas CNRED.
2011-2012	POSDRU/87/1.3/S/61397 National Network for Continuing Education of Teachers in Vocational and Technical School Education – CONCORD.
2012-2015	PNCDI II Partnerships in Priority Areas; contract no 223/2012, Inquiry-Based Education in Science and Technology.
2015: project manager, Principal investigator	1447P/30.09.2015 CCMP Plantavorel SA: The extraction of polyphenols and flavonoids with antimicrobial and anti-inflammatory properties from <i>Salvia officinalis</i> biomass using supercritical fluids

Budgets of managed contracts as principal investigator:

PNCDI II Program Capacities, contract no. 94/2007 – 620.000 euro; PNCDI II Partnerships in Priority Areas; contract no. 61 038/18.09.2007 – 638.000 euro; AGRAL Program, contract 222/2002, 61000 euro; RELANSIN Program, contract 1531/2001, 60000 euro

Professional memberships:

Member of Romanian Society of Bioengineering and Biotechnology (2006-2009);
Member of American Chemical Society (2007-2009);
Member of Romanian Society of Chemistry (2009-2013);
Member of Academic Organization for Environmental Engineering and Sustainable Development (since 2000);
Member of Alumni, Faculty of Industrial Chemistry (since 2004);
Member of INTERMEDIUNET Romania (INRO), (2005-2012).

Annex

List of publications

March 2017

Professor Irina VOLF