

Personal information

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 Nationality Romanian
 Date of birth 30.10. 1972



Work experience

Dates 2010-present

Occupation or position held **PhD**

Main activities and responsibilities Study of the effects of cholesterol lowering drugs on cardiac mitochondrial function
 Analysis of pharmaceutical compounds in biological samples (dried blood spot) by LC-MS
 ROS production, Calcium Retention Capacity (CRC)

Name and address of employer **University of Medicine and Pharmacy "Victor Babes", Timisoara**

Dates September 2013-May 2014

Occupation or position held **Internship**

Main activities and responsibilities Oroboros Oxygraph: analyzes of mitochondrial respiration in different tissues and cells
 Cell Cultures and toxicology assays: Mitochondrial ROS quantification (MitoSOX), Non Destructive
 Cytotoxicity Assay (ToxiLight), ATP quantification (CellTiter-Glo Luminescent),

Name and address of employer **Division of Clinical Pharmacology and Toxicology, University Hospital Basel**

Dates 2007-2009

Occupation or position held **Responsible Production**

Main activities and responsibilities • Management and monitoring of production activities in accordance with the Rules of Good
 Manufacturing Practice (GMP)
 • Execute the production plan, organize staff in the production process and verifies the performance of
 control in the various stages of production
 • Management of material flows and supply monitoring, reporting of production and consumption
 • Review records of production flow

Name and address of employer **SC Helvetica Profarm SA, Timisoara**

Type of business or sector Production

Dates 2006-2009

Occupation or position held **Collaborator (research assistant)**

Main activities and responsibilities	<ul style="list-style-type: none"> • HPLC (liquid chromatography high performance) • UV-VIS Spectrophotometer • GC-MS (gas chromatography) • Toxicity studies: Aristolochia Clematitis (chemical analysis, tests on laboratory animals and cell cultures) • Dosage of drugs in biological fluids
Name and address of employer	Regional Centre for Transplant Immunology, Timisoara
Type of business or sector	Chemistry
Dates	2005-2007
Occupation or position held	Research Assistant
Main activities and responsibilities	<ul style="list-style-type: none"> • Extraction of medicinal plants: chemical composition, biological action • Synthesis and functionalization reactions of anomeric center in carbohydrates; tioribofuranosides and glycosilsulfones • The study of the structure and stability of substitutionally doped fullerenes with heteroatoms of the 5th main group
Name and address of employer	Institute of Chemistry Timisoara of the Romanian Academy
Type of business or sector	Organic Chemistry
Dates	1995-2004
Occupation or position held	Medical assistant
Name and address of employer	Municipal Clinical Hospital Timisoara
Type of business or sector	Emergency Department

Education and training

Dates	2010 – present
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Study of the effects of cholesterol lowering drugs on cardiac mitochondrial function
Name and type of organisation providing education and training	University of Medicine and Pharmacy "Victor Babes" , Timisoara
Dates	2012-2014
Title of qualification awarded	Master
Principal subjects/occupational skills covered	Master in Toxicology
Name and type of organisation providing education and training	University of Basel
Dates	2004-2005
Title of qualification awarded	Master
Principal subjects/occupational skills covered	Fine Organic Synthesis Products and Natural Semisynthèse
Name and type of organisation providing education and training	"Polytechnica" University of Timisoara , Faculty of Industrial Chemistry and Environmental Engineering
Dates	1999-2004
Title of qualification awarded	Engineer diplomat - Profile: Chemistry

Principal subjects/occupational skills covered	Engineering Processing Natural Products
Name and type of organisation providing education and training	"Polytechnica" University of Timisoara , Faculty of Industrial Chemistry and Environment Engineering
Dates	1992-1995
Title of qualification awarded	Medical ssistant
Name and type of organisation providing education and training	School Health Postliceal Timisoara
Personal skills and competences	
Mother tongue	Romanian
Other language	English French
Social and organisational skills and competences	I am an accurate, flexible team player with spirit of initiative, a good team coordinator, able and open to learn new things
Computer skills and competences	Word, Excel, PowerPoint, GraphPad Prism 5
Diplomas and courses	<p>"Preparation of the sample liquid" 10 May 2011 in Geneva</p> <p>"Methods Development in HPLC", 11-12 February 2010 in Geneva</p> <p>"Introduction to HPLC", 28-29 January 2010 in Geneva</p> <p>"Basic Course in Aromatherapy", Foederatio Helvetiae Pharmaceutica, 8-9 May 2010 in Cugy</p> <p>"The aromatherapy Emergency", Foederatio Helvetiae Pharmaceutica, on 02.10.2009 in Cugy</p> <p>"Good Manufacturing Practice", 25-26 October 2008, Timisoara</p> <p>"The cleanliness and disinfection in clean rooms" Shield Medicare a division of Ecolab, 25.01.2008, Timisoara</p>

Conferences and published articles:

1. **Ileana Scurtu**, A Sturza, Ioanna Zinuca Pavel, Roxana Popescu, Andreea Privistirescu, Oana Maria Duicu, Danina Mirela Muntean. *Bioenergetic characterization of H9C2 cells using the extracellular flux analyzer*. Rev Med Chir Soc Med Nat Iasi 2015 Apr-Jun;119(2):491-5
2. O.M. Duicu, **I. Scurtu**, A. Sturza, A. Privistirescu, D. Gheorgheosu, L. Noveanu, D.M. Muntean. *Characterization of the bioenergetic effects of methylene blue in H9c2 myoblasts*. 2015. European Journal of Clinical Investigation. 45 (Issue Supplement s2): p. 27. Online ISSN: 1365-2362. **IF: 2.834**
3. Oana M. Duicu, **Ileana Scurtu**, Roxana Popescu, Adrian Sturza, Dorina Coricovac, Maria D. Dănilă, Andreea Privistirescu, Danina M. Muntean. *Assessment of the effects of methylene blue on cellular bioenergetics in H9c2 cells*. 2015, Rev Chim, 66 (4): 519-522. **IF: 0.538**
4. Duicu O.M., Sturza A., **Scurtu-Mytyko I.**, Privistirescu A., Dănilă M., Noveanu L., Muntean D.M. (2015). *Novel insights into the role of methylene blue in mitochondrial protection*. Fiziologia – Physiology; 25.2(86):38-41
5. Annalisa Bonifacio, Peter J. Mullen, **Ileana Scurtu Mityko**, Luiz C. Navegantes, Jamal Bouitbir, Stephan Krähenbühl, *Simvastatin induces mitochondrial dysfunction and increased atrogin-1 expression in H9C2 cardiomyocytes and mice in vivo*, Archives of Toxicology, 2014 Oct 10. **IF: 5.98**
6. **Ileana Scurtu**, Alexandra Gruia, Valentin Ordodi, Elena Ciurariu, Felix Mic, Calin Tatu, Victor Dumitrascu, *New Approaches for the dried blood spot analysis*, Official Journal of the Roumanian Society of Physiological Sciences, 2011, 21, 3(71)
7. Mirabela I. Cristea, Alexandra T Gruia, Valentin L. Ordodi, Oana I. Gavriluc, **Ileana Scurtu**, Violeta Moica, Simona Anghel, Florin Margineanu, Nikola Pavlovic, Elena Gai, Victor Dumitrascu, Fabian Tatu, Virgil Paunescu, Calin A. Tatu, *Aristolochia Clematitis in*

Traditional Medicine Recipes: Toxin or Remedy?, *Central European Journal of Occupational and Environmental Medicine*, 2009, 15(1-2):7-18.

8. Mirabela Cristea, Alexandra Gruia, Valentin Ordodi, Oana Gavriluc, **Ileana Scurtu**, Violeta Moica, Simona Anghel, Nikola Pavlovic, Virgil Păunescu, Călin Tatu, *Studies of the toxicity of Aristolochia Clematitis traditional medicine recipes*, Third Central and Eastern European Conference on Health and the Environment, 9-22 october 2008, Cluj-Napoca, Romania
9. Ioana Sisu, Vasile Bercean, Cristian Neanu, Valentin Badea, **Ileana Scurtu**, Eugen Sisu, *Nucleoside mimics from mercaptotriazol using phase-transfer conditions*, A XXIX-a Conférence Nationale de Chimie, Calimanesti –Caciulata, 04-06 october 2006 (ISSN 0034-7752)
10. Eugen Sisu, Ioana Sisu, **Ileana Scurtu**, Nicolae Dinca, Alina Serb, Cristian Neanu, Jasna Peter-Katalinic and Alina D. Zamfir, *High performance electrospray and matrix-assisted laser desorption/ionization time-of-light mass spectrometry of modified maltodextrins and dextrans*, 2nd Advanced Spectroscopies on Biomedical and Nanosstructured Systems, 2006, September 3-6, Cluj-Napoca, Romania
11. N.Onita, **Ileana Scurtu**, Ioana Sisu, Alfa Xenia Lupea, *Microwave modern synthesis of diphenyl (2-hydroxyphenyl) (octylamino) methylphosphonate*, Annals of West University of Timisoara, 2006
12. **Ileana Scurtu**, Ioana Sisu¹, *The Study of Separation of Active Components from Propolis Extracts*, Annals of West University of Timisoara, 2006
13. Alexandra T Gruia, **Ileana L Scurtu**, Mariana Albuлесcu, Florina M Moldovan, William H Orem : *Study regarding the toxicity of aristolochia in traditional medicine receipes:quantitative analysis of aristolochic acid in some therapeutical extracts* , 2nd Edition the Central and Eastern European Conference on Health and the Environment, Bratislava 22-25 october 2006, <http://www.ceeche.org>