

PERSONAL INFORMATION

**ADINA-ELENA SEGNEANU**

-  16, Castanului, 300741 Mosnita, Timis, Romania
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-  s\_adinaelena@yahoo.com

Sex: Female | Date of birth 13/11/1972 | Nationality Romanian

WORK EXPERIENCE

Nov.2015- present **Senior research**

**SCIENT** - Research Center for Instrumental Analysis, CROMATEC- PLUS SRL,  
1 Petre Ispirescu, Tancabesti- Snagov, 077167 Ilfov, Romania

- Research, development and innovation
- Synthesis of advanced materials for Environmental Protection, Health, Agriculture, Energy
- Synthesis methods for bioactive compounds, natural compounds
- Identification and structural analysis of active principles from plants
- Development of techniques for analysis and characterisation (Spectroscopy, Chromatography)
- Coordination and monitoring scientific activity
- Development of scientific projects
- R&D project management
- Development systems processes and technologies
- Dissemination of scientific results

**Sector:** Chemistry- Synthesis and Characterisation

June 15, 2016- April 28, 2017

**Senior research**

**University Politehnica Timisoara**, Piata Victoriei nr.2, 300006 Timisoara, Timis  
**Research Institute for Renewable Energy**

- Coordination and achievement of scientific activity
- Dissemination of scientific results

**Sector:** Chemistry- Synthesis and Characterisation

May 15, 2015– March30, 2016

**Senior research**

**University Politehnica Timisoara**, Piata Victoriei nr.2, 300006 Timisoara, Timis,  
**Research Institute for Renewable Energy**

- Coordination and achievement of scientific activity
- Dissemination of scientific results

**Sector:** Chemistry- Synthesis and Characterisation

**Senior research**

National Institute of R&D for Electrochemistry and Condensed Matter Timisoara, 144  
A. P. Podeanu, 300224 Timisoara, Timis, Romania

Nov. 2007-Dec.2015

- Research and development
- Synthesis of Advanced materials for Environmental Protection, Health, Agriculture, Energy
- Synthesis methods for bioactive compounds, natural compounds
- Development of techniques for analysis and characterisation (Spectroscopy, Chromatography)
- Coordination and monitoring scientific activity
- Development of scientific projects
- R&D project management
- Development systems processes and technologies
- Dissemination of scientific results

**Sector:** Chemical and Electrochemical Synthesis

## EDUCATION AND TRAINING

October 2002-Febr. 2007

Doctor Diploma in Chemistry

EQF: **Level 8: PhD**

University Politehnica Timisoara, Romania

- Development and characterisation of new carbonate compounds used in peptide synthesis
- peptide synthesis techniques
- analysis and synthesis techniques for organic compounds
- knowledge of biochemistry, economy, etc.

## PERSONAL SKILLS

Mother tongue(s)

**Romanian**

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	C2	C2	B1	B1	B1
<b>Spanish</b>	B1	A2	A2	A2	A1
<b>Italian</b>	B2	B1	B1	B1	B1
<b>French</b>	A2	A2	A2	A2	A2
<b>German</b>	A1	A1	A1	A1	A1

Communication in English- IRECSON. Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (2013).

Communication in German- IRECSON. Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (2013).

**Communication skills**

- good communication skills gained through my experience as project director

**Organisational / managerial skills**

- leadership (currently responsible for a research team of 10 people)
- good organisational skills gained as project director, master and PhD students guidance
- good team-leading skills gained as head of Laboratory

- Job-related skills**
- mentoring skills (as Head of Laboratory was my responsibility to train and to transfer knowledge to young researcher)
  - good command of organic chemical technology

- Computer skills**
- good command of Microsoft Office™ tools
  - Outlook, Chemoffice, etc.

**Other skills**

- **Technical and Extrajudicial Expert** –Expertise: **Chemistry** - AGIR SETEC (2015)
- **Innovation manager** – organised by IRECSON Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (2013)
- **Project Management** – Certificate from European Institute for Correspondence Courses –EUROCOR (2012);
- **Accessing of EU funds** (techniques of structural funds). Certificate from European Institute for Correspondence Courses –EUROCOR (2012)
- **Management** organised by SC. Expert Consulting SRL Timisoara. Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (2009)
- **Project Management** - organised by Chamber of Commerce, Industry and Agriculture Timisoara. Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (2008)
- **Postgraduate course in UV-VIZ Spectroscopy.** Certificate from organised by SC Comporter SRL Bcuresti (2011).
- **Postgraduate course in FT-IR Spectroscopy.** Certificate from SC Comporter SRL Bcuresti (2011).
- **Postgraduate course in GC-MS (system: gas chromatography and mass spectrometry).** Certificate from SC Comporter SRL Bcuresti (2011).
- **Postgraduate course in HPLC-MS (system: liquid chromatography and mass spectrometry).** Certificate from SC Comporter SRL Bcuresti (2011).
- **Postgraduate course in HPLC.** Certificate from SC Comporter SRL Bcuresti (2008)

**ADDITIONAL INFORMATION**

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**Driving Licence**                      **B**

**Rotary International : District 2241 - member**

- Publications**
- 7 Book chapter published abroad
  - 38 articles
  - 33 ISI articles
  - 3 patents
  - 6 patents request

- Research Projects**
- Project director at 4 scientific national grants
  - Project direct at 3 international scientific grants (bilateral projects: Romania-Slovenia, Romania-China, Romania-Slovakia)
  - International Workshop Co-chair
  - Team member in over 30 scientific projects

- Conferences**
- 98 scientific papers communicated at international conferences
  - 14 scientific papers communicated at national conferences

- Honours and awards**
- **Gold medal** at International Exhibition of Inventions of Geneva, Switzerland, **2015**
  - **Special award- Gold medal** of Incubator of invention at International Exhibition of Inventions of Geneva, Switzerland, **2015**;
  - **3 Gold Medals** at International Exhibition of Inventions and Innovation "Traian Vuia" of Timisoara, Romania, **2015**;
  - **3 Gold Medals** at International Exhibition of Inventions and Innovation "Traian Vuia" of Timisoara, Romania, **2016**
  - **Gold medal** at International Exhibition of Inventions of Geneva, Switzerland, **2013**,
  - **Gold medal** at **Innova Eureka Bruxelles 2014**;
  - **Excellence Diploma** at International Exhibition of Inventions PROINVENT, **2016**
  - **Excellence Diploma** from "Pius Brinzeu" County Hospital Timisoara at International Exhibition of Inventions and Innovation "Traian Vuia" of Timisoara, Romania, **2015** for patent request nr. A00604/07.08.2014, by Segneanu A.E, Segneanu E., Gherman V.D, Scorei I.R., Grozescu I;
  - **Special award and Cup** from Victor Babes University of Medicine and Pharmacy, Timisoara Romania at International Exhibition of Inventions and Innovation "Traian Vuia" of Timisoara, Romania, **2015** for patent request nr. A/00786/2013, by: Segneanu A. E., Scorei R. I., Grozescu I., Stanescu C.D
  - **First prize for the communication paper:** "Oxidative degradation of Antibiotics Ampicillin and Penicillin G type from water using the photo-fenton procedure modified by in-situ Fe<sup>2+</sup> catalyst generation" la 8th International Conference on Water Reclamation & Reuse, Barcelona, 26-29 September, **2011**;
  - **Bronze medal** at International Salon of Inventions, Scientific Research and New Technologies "INVENTIKA", Romania, **2011**
  - Article: "The use of N,N'-diphtalimidyl-carbonate in synthesis of organic asymmetric carbonates with application in peptide synthesis", authors: Segneanu, A.E, Milea, M., Simon, M., Csunderlik, C., 2008 la Rev. Chim., vol. 59, nr.5, 575 – was awarded in **2009** by **National Council of Scientific Research (CNCSIS) (cod 145, position 871)**
  - Article: "Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions", authors: Orbeci, C., Nechifor, G, Segneanu A.E., Craciun, M.E., Separation and Purification Technology, Vol. 122, **2014**, pp. 290–296, was awarded in **2014** by **UEFISCI** cod PN-II-RU-PRECISI- 2014-8-6996

- Memberships/ Professional Affiliation**
- American Chemical Society
  - Society for Medicinal and Natural Products Research,
  - Romanian Chemical Society
  - Romanian Inventors Society (Banat Subsidiary) - **founder member**,
  - Applied Electrochemical Society - **founder member**,
  - Romanian Physics Society
  - European Physics Society
  - The General Association of Engineers from Romania (**AGIR**)
  - Romanian Water Association (**ARA**)
  - Banat Inventors Society – founder member
  - Romanian Society for Nonconventional Technologies (**ARTN**)
  - Editorial Board member - American Association for Science and Technology
  - Review board member - Asian Journal of Engineering and Technology

- Organizing Committee member –**workshop co-chair** - International Workshop: *Design of chromo-phore systems with specific properties and applications in medicine as biomarkers and antitumoral agents*, April, 18-19, **2013**, Timisoara, Romania
- Organizing Committee member - The XIII Romanian Congress of Phlebology with International Participation, October, 2 – 4, **2014**, Timisoara, Romania
- Organizing Committee member - International Exhibition of Inventions and Innovation "Traian Vuia" of Timisoara, Romania, June 11-13, **2015**, Timisoara, Romania
- Organizing Committee member - International Workshop: Innovating Techniques and Methodologies wastewater treatment, *Romania*, June 11-13, **2015**, Timisoara, Romania;
- Organizing Committee member - International Exhibition of Inventions and Innovation "Traian Vuia" of Timisoara, Romania, June 11-13, **2016**, Timisoara, Romania
- **Review board member**: Asian Journal of Engineering and Technology;
- **Editorial Board member** - American Association for Science and Technology
- **Editorial Board member** - Journal of Diseases and Medicinal Plants(JDMP)
- **Executor editor** - Gavin Journal of Food and Nutritional Science

#### Peer Review experience

- Analytical Letters
- International Journal of Agricultural Policy and Research
- BioResources Journal
- Issues in Biological Sciences and Pharmaceutical Research
- Gavin Journal of Food and Nutritional Science
- Current Environmental Engineering, Bentham Science Publishers

**Date:**

June 20, 2017

Dr. Adina-Elena Segneanu

