

## PERSONAL INFORMATION

**Cornelia-Veronica MUNTEAN**


Politehnica University Timisoara, Faculty of Industrial Chemistry and Environmental Engineering,  
Department CAICAM, Timisoara 300006, 2 Piata Victoriei, Romania

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Gender Female | Date of birth 23/11/1967 | Nationality Romanian

## WORK EXPERIENCE

From February 2018 to present

**University Associated Professor**

Politehnica University Timisoara, Faculty of Industrial Chemistry and Environmental Engineering,  
Department Applied Chemistry and Engineering of Inorganic Compounds and of Environment  
(CAICAM), Timisoara 300006, 2 Piata Victoriei, Romania

Teaching activities on disciplines: Analytical chemistry, Instrumental analytical chemistry,  
Analytical control of product quality, Research activities based on contracts won by  
competition or contracts with third parties.

Type of business or sector Teaching activities and scientific research

From March 2002 to February  
2018

**University Lecturer**

Politehnica University Timisoara, Faculty of Industrial Chemistry and Environmental Engineering,  
Department CAICAM, Timisoara 300006, 2 Piata Victoriei, Romania

Teaching activities on disciplines: Analytical chemistry, Instrumental analytical chemistry,  
General chemistry, Control of environmental factors quality, Integrate management quality-  
environment; Analytical control of product quality, Seminar - Competitive data acquisition  
systems. Statistical and Informational Processing of Measurement Data (Doctoral School,  
Objective, Strategies and Methods in Scientific Research); Research activities based on  
contracts won by competition or contracts with third parties.

Type of business or sector Teaching activities and scientific research

From September 1997 to  
February 2002

**University Assistant Professor**

Politehnica University Timisoara, Faculty of Industrial Chemistry and Environmental Engineering,  
Department CAICAM, Timisoara 300006, 2 Piata Victoriei, Romania

Teaching activities on disciplines: Analytical chemistry, Instrumental analytical chemistry,  
General chemistry, Environmental chemistry, General and inorganic chemistry, Applied  
inorganic chemistry, Physico-chemical analysis of solid waste, Chemical materials and  
technologies; Research activities based on contracts won by competition or contracts with  
third parties.

Type of business or sector Teaching activities and scientific research

From September 1991 to  
August 1997

**Scientific Researcher**

National Research and Development Institute for Electrochemistry and Condensed Matter, 144, Str.  
Prof. dr. Aurel Paunescu Podeanu, Timisoara, Romania

Research activities based on contracts

Type of business or sector Scientific research

## EDUCATION AND TRAINING

September 28, 2017

**Habilitation**

Politehnica University Timisoara, field of PhD studies Chemical engineering, Habilitation thesis:  
Nanostructured Oxide Materials and Functionalized Materials with Applications in Environmental Protection

From April 1995 to December  
2003

**PhD Diploma, Doctor engineer**

Politehnica University Timisoara

According to the individual study program in Engineering Sciences

From September 1986 to July 1991

Dipl.-Engineer; Chemical engineer in the field of Organic chemical technology

Politehnica University Timisoara

The subjects of the curriculum

From September 1982 to July 1986

Baccalaureate Diploma

Highschool of Mathematics and Physics, Hunedoara, Romania

The subjects of the curriculum

## PERSONAL SKILLS AND COMPETENCES

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
French	B2	C1	B1	B1	B2
German	B1	B1	A2	A2	A2
Spanish	A2	A2	A2	A2	A2

Social skills and competences

- Good communication skills gained through my experience in teaching activities and participation to national and international conferences
- Good interdisciplinary collaboration skills acquired in scientific research projects
- Team spirit acquired within the management structures at department and faculty level, scientific research activities
- Good ability to adapt to multicultural environments, gained through my work experience abroad: research scholarship at the University of Applied Sciences Gelsenkirchen, Germany, from October 1999 to September 2000; advanced training in scanning electron microscopy and X-ray diffractometry at the University of Applied Sciences Gelsenkirchen, Germany, April - May 2011; Erasmus+, invited teacher at University of Applied Sciences Gelsenkirchen, Germany, July 2015; July 2016; February 2017, July 2017

Organizational skills and competences

- Sense of organization with experience in logistics management in the organization of students entrance examinations, of scientific meetings (symposia, conferences), experience in managing students as a dean of the year and tutor

Technical skills and competences

- Specialist areas: Classical methods of analysis, Electrochemical methods of analysis, Thermal analysis, X-ray diffractometry, UV-Vis spectrometry, FT-IR spectroscopy, Atomic absorption and emission spectrometry, Scanning Electron Microscopy, Adsorption, Advanced oxidation processes of organic pollutants, Adsorption of pollutants, Synthesis and characterization of advanced materials, Pollution level assessment, Phyto-remediation

Computer skills and competences

- Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™); Origin; Visual Basic - editing of books and materials for students, processing of experimental results and elaboration of scientific papers; Software for operating instruments

Driving licence B



# ADDITIONAL INFORMATION

- Coauthor of **119** published scientific papers, of which **49** in ISI journals (**19 as lead author**)
- Coauthor of **6** books for higher education published in the country, of which **2** as main author:
  - **Comelia Muntean**, Adina Negrea, Lavinia Lupa, Mihaela Ciopec, *Chemical and physico-chemical analysis with applications in environmental protection* (in Romanian), 2009
  - **Comelia Muntean**, Marcela Stoia, Ilie Julean, *Equilibria in aqueous solutions. Conditional constants - Principles. Numerical applications. Specific soft* (in Romanian), 2012
- Coauthor of a Visual Basic soft (CD) for solving numerical applications *Equilibria in aqueous solutions. Conditional constants*
- Participation in teams of **10 research and development projects** gained by competition (**8** projects in national programs and **2** international project), of which:
  - RORS-308 NETMIN - Forming of network for enhancing environmental protection from pollutants of mining cross border areas, within the framework of the Interreg-IPA Cross-border Cooperation Romania-Serbia Programme, Lead Partner Politehnica University Timisoara, Project Manager
  - HURO 1001/232/2.2.2 - Study of the interaction of toxic constituents with biomolecules towards application in environmental analysis, METCAP, 2012-2013, team member (expert, member of the management team and contact person)
  - PN-II-RU-TE-2014-4-0514, Development of nanostructured magnetic composites used as nano-adsorbents and nano-catalysts with high performance in environmental applications (team member, experienced researcher)
  - Project Tip A, New methods for the synthesis of nanomaterials with controlled properties (team member)
  - Project Tip A, Nanocomposites of  $Ni_xZn_{(1-x)}Fe_2O_4$  type with directed magnetic properties, obtained by two original, unconventional synthesis methods (team member)
  - CEEEX nr. 51/2006, Unconventional methods for synthesis of oxidic compounds MENESCO (team member)
  - CEEEX, 47/2006, Strengthening and widening the partnership at regional and European level on the application of electrochemical methods to water control and decontamination (team member)
- Participation in teams of **7** research, development and consultancy contracts with the economic environment (contracts with third parties), of which **2** as manager
- Member of **7** mentoring committees for PhD students
- Member of the Romanian Chemistry Society
- Member of the Society of Chemical Engineering in Romania
- **1st prize** at the Technical Book 2010 contest, awarded by the Romanian General Association of Engineers, Timis branch, for the book *Chemical and physico-chemical analysis with applications in environmental protection*
- **Reviewer** for 8 ISI ranked journals (Journal of Hazardous Materials, Adsorption Science & Technology, Desalination and Water Treatment, Journal of Chemical Engineering & Data, Journal of Thermal Analysis and Calorimetry, Arabian Journal of Chemistry, Industrial and Engineering Chemistry Research, Chemical Engineering Journal) and other journals, with 18 reviews completed to date
- **Invited speaker** to the ICSS-International Conference on Small Science 2017, San Sebastian (Spain), may 2017
- **Patent request** registered to OSIM (A/00497, 20.07.2017).

16.12.2019