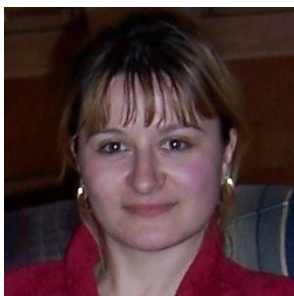


PERSONAL INFORMATION

Manuela Cristina Stan


 67-103 Donat Street, Cluj-Napoca, 400293, Romania

 +4 0264 584037  +4 0740 375601

 manuela.stan@itim-cj.ro

Sex Female | Date of birth 11/12/1975 | Nationality Romanian

WORK EXPERIENCE

February 2015 - present

Scientific Researcher III

National Institute for Research and Development of Isotopic and Molecular Technologies, 67-103 Donat Street, 400293, Cluj-Napoca, Romania

- Synthesis of nanocomposites based on carbon nanotubes, synthesis of metal oxide nanoparticles (ZnO, Fe₃O₄, etc.) by environmentally friendly green synthesis methods using vegetal extracts or traditional chemical synthesis methods, synthesis of other nanocomposite systems, preparation of project documentation.

Business or sector Research

 September 2011-
January 2015

Scientific Researcher

National Institute for Research and Development of Isotopic and Molecular Technologies , 67-103 Donat Street, 400293, Cluj-Napoca, Romania

- Synthesis of nanomaterials, analysis through chromatographic techniques (thin layer chromatography – TLC and high performance liquid chromatography – HPLC).

Business or sector Research

July 2008 - August 2011

Research Assistant

National Institute for Research and Development of Isotopic and Molecular Technologies , 67-103 Donat Street, 400293, Cluj-Napoca, Romania

- Synthesis of metal oxide nanoparticles doped with transition metals, preparation of supported metal oxide catalysts.

Business or sector Research

August 2005 - May 2008

Graduate Student / Teaching Assistant

University of Nebraska-Lincoln, Department of Chemistry, USA

- Metal-catalyzed asymmetric hydroboration reactions, asymmetric synthesis, combinatorial chemistry.

Business or sector Education / Research

 December 2000 -
August 2004

Research Assistant

National Institute for Research and Development of Isotopic and Molecular Technologies , 67-103 Donat Street, 400293, Cluj-Napoca, Romania

- Preparation of urea labeled with ¹⁵N samples for analysis and determination of isotopic concentration (%¹⁵N) by mass spectrometry, synthesis of nanoperovskite materials.

**EDUCATION
AND
TRAINING**

- 2010-2014 **PhD in Chemistry**
"Babeş-Bolyai" University, Cluj-Napoca, Faculty of Chemistry and Chemical Engineering
- 2005-2008 **Master of Science – Speciality Organic Chemistry**
University of Nebraska-Lincoln, Department of Chemistry, USA
- 1999-2000 **Master degree – Speciality Modern methods of analysis used for quality control of the environment and products**
"Babeş-Bolyai" University, Cluj-Napoca, Faculty of Chemistry and Chemical Engineering
- 1995-1999 **BSc in Chemistry - Physics**
"Babeş-Bolyai" University, Cluj-Napoca, Faculty of Chemistry and Chemical Engineering
- 1990-1994 **Baccalaureate Diploma**
"Theoretical High School" Negreşti-Oaş, Satu Mare county

**PERSONAL
SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B2	B2	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

- Communication skills**
- Good communication skills, responsible, sociable.
- Organisational / managerial skills**
- Adaptability and ability to work in a team. Good skills in documentation necessary for project preparations.
- Job-related skills**
- Research – over 10 years of experience in the institute. Research focused on the synthesis of nanomaterials and specific characterization techniques, extraction methods, spectrophotometric and chromatographic analysis methods, studies on the influence of stress factors on plants. Good abilities in synthesizing information, writing scientific papers in the field of research. Very good skills required for laboratory work (synthesis of nanomaterials).

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Basic user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Good command of Origin, ChemDraw, Adobe Photoshop, Paint, Internet documentation.

Other skills

- Reviewer at several international scientific journals: Process Safety and Environmental Protection, Bioprocess and Biosystems Engineering, Green Chemistry Letters and Reviews.

Publications

- Articles published: 35 in ISI indexed journals (of which 9 published in proceedings), 4 in non-ISI indexed journals
- Participation at conferences (number of scientific communications): international conferences (65) and national conferences (8).

Patents

1 Patent Application filed in the Republic of Moldova and in Romania (Method of making desert from functional cheese, Ghendov-Mosanu A., Popescu L., Sturza R., Lung I., Opris O., Soran L., Stan M., application no. MDs 2017 0121 from 22.11.2017).

Projects

Member in the research team of 12 projects

Honours and awards**Memberships**

Member of Romanian Society of Chemistry

References**Citations**

185 (according to ISI Web of Knowledge), h-index: 9.

**ADDITIONAL
INFORMATION****ANNEXES**

- List of papers

Date
May 31, 2019

Dr. Stan Manuela Cristina