PERSONAL INFORMATION

Fort (Ladiu) Carmen Ioana



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F Enter sex | Romanian Enter nationality

WORK EXPERIENCE

February 2025 - present	**Assoc.Prof. Dr.** Chemistry and Chemical Engineering Faculty, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca Centre of Electrochemical Research and Nonconventional Materials specific research activities, as member, in scientific research projects Business or sector Academic
February 2022 – February 2025	**Lecturer Dr.** Chemistry and Chemical Engineering Faculty, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca specific research activities, as member, in scientific research projects Business or sector Academic
July 2017 – present	**Scientific researcher III, Dr.** Institute for Research, Development and Innovation in Applied Natural Sciences, ICDI-SNA, Fântânele, 30, RO-400372, Cluj-Napoca, ROMANIA Specific research activities Business or sector Scientific Research
2016 - present	**Scientific researcher III, Dr.** Research center in electrochemistry and nonconventional materials (CCEMN), Chemistry and Chemical Engineering Faculty, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca Specific research activities Business or sector Scientific Research
April 2007 – February 2022	**Scientific researcher III, Dr.** Chemistry and Chemical Engineering Faculty, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca specific research activities, as member, in scientific research projects Business or sector Scientific Research
May – June 2011	**Postdoctoral scholarship** within the project POSDRU/89/1.5/s/60189 „Postdoctoral Programs for Sustainable Development in a Knowledge Based Society" Department of Biochemistry and Structural Biology, Lund University, Lund, Sweden, Prof. Lo Gorton Research specific activities as postdoctoral scholarship Business or sector Scientific Research
September 2011 – 2013	**Manager of a postdoctoral project** within the project POSDRU/89/1.5/s/60189 „Postdoctoral Programs for Sustainable Development in a Knowledge Based Society Research specific activities as postdoctoral scholarship Laboratory of Electrochemical Research and Nonconventional Materials, Babes-Bolyai University Business or sector Scientific Research

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1 - 31 March 2009	**Scientific researcher III, Dr.** Department, Szeged University, Szeged, Hungary Chemistry and Specific research activities, as member, in the **RO-HU nr 21/2008-2009** scientific research project**,** with Inorganic and Analytical Chemistry research Business or sector Scientific Research
2005 - 2006	**TD project manager** Chemistry and Chemical Engineering Faculty, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca Specific research activities, as PhD student, in scientific research project Business or sector Scientific Research
October – December 2003	**PhD student** Analytical Chemistry Department, Lund University, Lund, Sweden Specific research activities, as PhD student, in scientific research project, Swedish Institute, Swedish Research Council Business or sector Scientific Research
September 2002 – July 2003	**PhD student** Analytical Chemistry Department, Lund University, Lund, Sweden Specific research activities, as PhD student, in scientific research project, Swedish Institute, Swedish Research Council Business or sector Scientific Research
October 2001 – February 2007	**PhD student** Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca General research methods and scientific papers elaboration methods; Statistics; Electrochemistry; Specific research activities, as PhD student, Business or sector Scientific Research
May - June 2001	**Researcher** Engineering Science Department, University of Patras, Patras, Greece specific research activities Business or sector Scientific Research

EDUCATION AND TRAINING

Replace with European Qualification Framework (or other) level if relevant

February 2007 — **Ph.D. Diploma in Chemistry**
Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca

July 2001 — **Masters Diploma in Physical-Chemistry**
Masters Programme Courses Applied Electrochemistry, Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca

July 2000 — **Licence diploma, Chemistry (mainly) and Physics (secondary) specialties**
Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Arany Janos, 11, 400028, Cluj-Napoca
University courses program of the Physical Chemistry Department; Teaching Competence Certificate; Language proficiency certificate for English

September 1991 - July 1995 — **Baccalaureate diploma**
Following secondary school program, Informatics specialization
Theoretical High School *Andrei Muresanu*, Dej, Cluj

PERSONAL SKILLS

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Mother tongue(s): Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
France	A2	B1	A2	A2	A2
	Replace with name of language certificate. Enter level if known.				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Ability to work in groups (member of national and international research teams in the national and international research projects); ability to present results from the carried out researches (oral presentations - see the list of participation to the national and international conferences)

Computer skills

- PC Systems: Windows, Editors: MS Office (Word, Excel, Power Point), Origin, Autolab, etc.

ADDITIONAL INFORMATION

Publications

51 scientific articles from which 47 are ISI (WoS);

Patents

national patents: 2;

Conferences

attended conferences: > 60;

Chapter book

1. **C.I. Fort**, L.C. Cotet**,** L.C. Pop, M. Baia, L. Baia, "Advanced graphene based materials for electrochemical biomarker and protein detection" in the book "Graphene - Chemistry and Applications", ISBN 978-1-83769-283-5, edited by Dr. Enos Wamalwa Wambu, IntechOpen 2023.

2. C.I. Fort, L.C. Pop, *Heavy metal and metalloid electrochemical detection by composite nanostructures*, in Advanced Nanostructures for Environmental Health, edited by L. Baia, Z. Pap, K. Hernadi, M. Baia, Elsevier, 2019, pages 185-250

3. L.C. Cotet**, C.I. Fort**, L.C. Pop, M. Baia, L. Baia, "*Insights Into Graphene-Based Materials as Counter Electrodes for Dye-Sensitized Solar Cells*" in "Dye-Sensitized Solar Cells. Mathematical modeling, and Materials design and optimization", Pub. Date: 2019, Edited by M. Soroush, K.K.S. Lau, ISBN: 978-0-12-814541-8, pag. 341-397, Academic Press, Elsevier.

Research team member

in 19 scientific projects

Awards

4 awards at invention fairs (two gold medals, one silver and a special prize https://news.ubbcluj.ro/premii-pentru-participantii-ubb-la-salonul-inventica-de-la-iasi/);

Reviewer

more than 65 ISI articles

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https://orcid.org/0000-0002-4675-7602;
ResearcherID: O-1583-2014

June 2025 Ioana Fort