

PERSONAL INFORMATION

Călin Ovidiu Cadar

 Alexandru Odobescu, bl. 5, ap.18, 430101, Baia Mare, Maramureș, Romania

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 calin.cadar@phys.utcluj.ro

Gender M | Date of birth 29/06/1990 | Nationality Romanian

PROFESIONAL EXPERIENCE

2012 -2015 **Research activity**

Technical University of Cluj-Napoca, North University Center of Baia Mare
Chemistry-Biology Department

Smart functions of packages containing nano-structured materials in food preservation -SMARTPACK-, MNT-ERANET, Contract No: 7-065/26.09.2012

- Preparation of metal doped $\text{TiO}_2\text{-SiO}_2$ photocatalysts through sol-gel synthesis
- Evaluation of catalitic activity by photodegradation and spectrophotometric monitoring
- Physical and chemical analysis of food and environment products

Objective: preparing nanopackaging materials with superior storage properties

2015 - present **Research activity**

Babes-Bolyai University Cluj-Napoca, Faculty of Chemistry and Chemical Engineering
Electrode materials based on porous carbon structures, Bi-Fe and/or TiO_2 , with analytical applications, PN-II-RU-TE-2014-4-1194

- Preparation of porous carbon structures with incorporation of nanoparticles

EDUCATION

2015 – present **Ph.D. Studies**

Technical University of Cluj-Napoca
Faculty of Materials and Environmental Engineering
Department of Physics and Chemistry

2015 – present **Ph.D. Studies**

Babes-Bolyai University Cluj-Napoca
Faculty of Physics
Department of Condensed Matter Physics and Advanced Technologies

- 2012 – 2015 **BSc Studies**
 Technical University of Cluj-Napoca, North University Center of Baia Mare
 Food Engineering – Quality Control and Expertise of Food Products

- 2012 - 2014 **MSc Studies**
 Technical University of Cluj-Napoca, North University Center of Baia Mare
 Analytical Methods Used in Quality Control of Environment and Products

- 2009 - 2012 **BSc. Studies**
 Technical University of Cluj-Napoca, North University Center of Baia Mare
 Chemistry

- 2005 - 2009 **Highschool**
 „Vasile Lucaciu” National College Baia Mare
 Chemistry-Biology bilingual english

PERSONAL SKILLS

Native Language Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Conversation	Speech	
English	C2	C2	C2	C2	C2

Skills learned during studies ▪ Using laboratory techniques and equipment

Computer skills ▪ Microsoft Office
 ▪ Soft for experimental data processing Origin, Matlab, Statistica

Driving license Category B

LIST OF PUBLICATIONS

- Cadar, C., *Nanomaterials used in antimicrobial, active and intelligent food packaging*, Carpathian Journal of Food Science and Technology 2014, 6(1)
- Peter, A., Mihaly-Cozmuta, L., Mihaly-Cozmuta, A., Nicula, C., Cadar, C., Jastrzębska, A., Kurtycz, P., Olszyna, A., Vulpoi, A., Danciu, V., Radu, T., Baia, L., *Silver functionalized titania-silica xerogels: Preparation, morpho-structural and photocatalytic properties, kinetic modeling*, Journal of Alloys and Compounds, Volume 648, 2015, 890–902, doi:10.1016/j.jallcom.2015.07.022

SUPPLEMENTARY
INFORMATION

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- Scholarships
 - CEEPUS Summerschool „Education of Modern Analytical and Bioanalytical Methods”, Czech Republic, University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Professor Karel Vytras, 2011
 - Conferences
 - 1st Prize, Scientific session for students, Technical University of Cluj-Napoca, North University Center of Baia Mare, Faculty of Sciences, 2012
 - Awards
 - Award for Best Student of the Faculty of Sciences Technical University of Cluj-Napoca, North University Center of Baia Mare, 2012
 - Graduation with High Honours, Technical University of Cluj-Napoca, North University Center of Baia Mare, Faculty of Sciences, Chemistry, 2012
 - CEEPUS 13th Symposium and Summer School on Bioanalysis, Hungary, University of Debrecen, Department of Inorganic and Analytical Chemistry, Dr. Attila Gáspár, 2013
 - ERASMUS+ Fellowship “Study on the reactions of group 13 trialkyls with succinic and itaconic acids”, Poland, Warsaw University of Technology, Faculty of Chemistry, Dr. Wanda Ziemkowska, 2014
 - International Conference for Students - STUDENT IN BUCOVINA, Romania, Faculty of Food Engineering, Stefan cel Mare University of Suceava, 2015
 - Graduation with High Honours, Technical University of Cluj-Napoca, North University Center of Baia Mare, Food Engineering – Quality Control and Expertise of Food Products, Faculty of Sciences, 2015
 - CEEPUS 15th International Symposium and Summer School on Bioanalysis, Romania, University of Medicine and Pharmacy, Tirgu Mures, Dr. Gabriella Donath-Nagy, 2015
 - Global Nanotechnology Congress and Expo, Dubai, United Arab Emirates, 2016