

## Curriculum Vitae

Name Andreea-Maria Câmpu

Date of Birth

Address

Phone

E-mail

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## Work Experience

- October 2016 until present: **Research Assistant** at the Nano-bio-photonics and Laser Microspectroscopy Center, Institute for Interdisciplinary Experimental Research in Bio-nano-science, Babes-Bolyai University, Cluj-Napoca, Romania – Member in 8 research projects
- September 2017-March 2018: **Project Leader** at the Nano-bio-photonics and Laser Microspectroscopy Center, Institute for Interdisciplinary Experimental Research in Bio-nano-science, Babes-Bolyai University, Cluj-Napoca, Romania – Mobility Project
- March 2016-September 2016: **Physicist** at the Nano-bio-photonics and Laser Microspectroscopy Center, Institute for Interdisciplinary Experimental Research in Bio-nano-science, Babes-Bolyai University, Cluj-Napoca, Romania – Member in 3 research projects

## Education

- October 2016 until present: **PhD in Physics** at the Faculty of Physics, Babes-Bolyai University, Cluj-Napoca, Romania
- October 2014-June 2016: **Didactic Module II** at the Preparation of Teaching Personal Department, Psychology Faculty, Babes-Bolyai University, Cluj-Napoca, Romania
- October 2014-June 2016: **Master of Science** in Biomaterials at the Faculty of Physics, Babes-Bolyai University, Cluj-Napoca, Romania
- October 2012-June 2014: **Didactic Module I** at the Preparation of Teaching Personal Department, Psychology Faculty, Babes-Bolyai University, Cluj-Napoca, Romania
- October 2011-June 2014: **Bachelor in Science** in Medical Physics at the Faculty of Physics, Babes-Bolyai University, Cluj-Napoca, Romania

- September 2007-May 2011: **Matriculation examination** and Highschool Student at the Samuel von Brukenthal Gymnasium, Sibiu, Romania – German

### **Specializations and Qualifications as Young Scientist**

- March 2018: **Specialization Course**, 10<sup>th</sup> European Short Course on "Time-resolved Microscopy and Correlation Spectroscopy", PicoQuant, Berlin, Germany
- October 2015-February 2016: **Trainee** at the Ecole Normale Supérieure de Lyon, Lyon, France – 5 months Erasmus+ Internship
- October 2014-October 2015: **Trainee** at the Nano-bio-photonics and Laser Microspectroscopy Center, Institute for Interdisciplinary Experimental Research in Bio-nano-science, Babes-Bolyai University, Cluj-Napoca, Romania – Master Degree
- April 2015-May 2015: **Trainee** at the National Institute for Research and Development of Isotopic and Molecular Technologies (ITIM), Cluj-Napoca, Romania – as part of the ProPractica CFB POSDRU/161/2.1/G/137240 project
- September 2013-October 2013: **Trainee** at the Endoscopy and Radiology, Gastroenterology and Hepatology Center, Cluj-Napoca, Romania
- July 2013-August 2013: **Trainee** at the Nuclear Medicine Department, Polisano Policlinic, Sibiu, Romania

### **Teaching Activities**

- October 2019 until February 2020: 1 semester **Teaching Laboratories**: Optics, 1<sup>st</sup> year Bachelor Students (Chemistry Specialization), Faculty of Physics, Babes-Bolyai University

### **Visibility of the Scientific Activity**

- **Publications**: **10 ISI articles**, from which 6 as main author in prestigious journals such as Analytical Chemistry (IF 6.042, AIS 1.371), Frontiers in Chemistry (IF 4.155, AIS 1.237), Nanotechnology (IF 3.399, AIS 0.744), Sensors (IF 2.475, AIS 0.554), and **1 Non-ISI article**, generating a **cumulated Impact Factor of 42 and Article Influence Score of 7.5**.
- **1 book chapter**
- **1 national patent application submission**
- **Hirsch Index**: 4 (Scholar)\ 3 (WoS), **Citations**: 53 (Scholar)\ 34 (WoS)
- **International Conferences**: 9 conference communications of which 5 oral presentations and contributions to other 18 conference communications

- **Honours and Awards**: 2017 – Procter&Gamble Award: Best Poster Among Women in Science

### **Member in Major Research Projects**

- **Director** of a mobility project
- **Key Member** in 8 research projects

### **Personal Skills**

- **Mother tongue**: **Romanian**
- **Foreign languages**: **German level C1 (Deutsches Sprachdiplom Stufe II - DSD), English level C1 (Cambridge – Advanced Certificate in English - CAE), Spanish level B2 (Diploma de español como lengua extranjera - DELE)**
- **Driving license**: **B category**
- **Communication skills**: **good communication skills** gained through my participation to national and international conferences and seminars, to two scholar exchanges in Austria and Bulgaria; **good team-work and multicultural adaptation skills** gained through my participation at different projects: political seminar „ Europa vor neuen Herausforderungen“ (Europa in front of new challenges), organized by the European Union in vhs-Bildungszentrum, Sambachshof, Bad Königshofen, Germany
- **Organisational skills**: **good organisational skills** gained in different extracurricular activities, during Red Cross volunteering and as an info desk volunteer at the International Theatre Festival in Sibiu; **good team-leading skills** gained during an Action4Unity project; **good managerial skills** gained through volunteering for the past 4 years at projects organized by our Faculty like "Experiments Saturday", "Scientists Night"
- **Job-related skills**: **Methods of nanofabrication and characterization** (chemical synthesis and characterization of noble metal nanoparticles, colloidal self-assembly, surface activation and functionalization), **Fabrication of plasmonic substrates** (e.g. glass, paper) **and microfluidic channels**, **Optical Spectroscopy** (UV-Vis Spectroscopy; Dynamic Light Scattering, Zeta Potential; Raman and SERS Spectroscopy; Fluorescence Spectroscopy, Life-time Measurements), **Optical Microscopy** (Dark-Field Microscopy; Fluorescence Microscopy; Fluorescence Life-time Imaging Microscopy FLIM), **Thin-Film Technology** (Thin-Film Deposition, Reactive Ion Etching)
- **Digital skills**: **Information processing** – Proficient user, **Communication** – Proficient user, **Content creation** – Independent user, **Safety** – Independent user, **Problem solving** – Independent user; Very good command of **Microsoft Office** and job-specific software such as **Origin, GaussView, Gaussian, ImageJ, Electronics Workbench, ChemDraw, VierwerLite, GraphPad Prism**