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## PERSONAL INFORMATION

First name/Surname	CLAUDIU-AUGUSTIN/GHIORGHITĂ
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## WORK EXPERIENCE

Employer	<b>“Petru Poni” Institute of Macromolecular Chemistry</b> 41A Grigore Ghica Voda Alley, 700487-Iasi, Romania
Period/Function	2013-2015 / Research Assistant; <b>2015-present / Scientific Researcher</b>
Department	Laboratory of Functional Polymers
Type of activity	<i>Fundamental research in the field of macromolecular chemistry</i>

## EDUCATION AND TRAINING

<b>2009 – 2013</b>	<b>Doctor Diploma</b> (Major in Chemistry)/“Petru Poni” Institute of Macromolecular Chemistry, Iasi (Romania)/Grade: Very Good/ <i>Stimuli responsive micro- and nanocomposites</i> /Dr. Eng. Ecaterina Stela Drăgan Defense date: <u>29/10/2013</u> (the Minister’s decision, <b>07/04/2014</b> )
<b>2008 – 2010</b>	<b>Master’s Diploma</b> (Major in Chemistry)/Faculty of Chemistry, “Alexandru Ioan Cuza” University, Iași (Romania)/ <i>Synthesis of new sulfanilamide derivatives</i> /Prof. Dr. Ionel Mangalagiu
<b>2004 - 2008</b>	<b>Bachelor’s Diploma</b> (Major in Chemistry)/Faculty of Chemistry, “Alexandru Ioan Cuza” University, Iași (Romania)/ <i>Synthesis of highly functionalized acetophenone derivatives</i> /Prof. Dr. Ionel Mangalagiu

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## SCIENTIFIC ACTIVITY

Field of research:	<b><i>Development of multifunctional composite materials with enhanced/tunable sorption/release properties for water purification and biomedical applications</i></b>  - Construction and characterization of silica/polyelectrolyte multilayers composite microparticles and their interaction with ionic species (drugs, proteins, dyes, heavy metal ions);  - Preparation of silver nanoparticles by organic/inorganic composites containing polysaccharides by a “green” approach;
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	- <i>Synthesis of thiourea-chitosan and thiourea-polyethyleneimine derivatives for the removal of inorganic pollutants from water (heavy metal ions; ceramics).</i>
Publications	- Co-author of <b>24 articles</b> in peer-reviewed journals ( <b><u>11 articles as main author</u></b> ; total number of citations: 160 (w/o self-citations: 98); total impact factor: <b>82.657</b> ), <b>2 papers</b> published in volumes of scientific meetings, <b>1 book</b> (Ed. Tehnopress, Iasi) - Co-author of <b>39 presentations</b> ( <b><u>20 presentations as main author</u></b> ) at national/international scientific meetings (5 conferences, 26 oral communications and 8 poster presentations).
Hirsch index	<b>8</b> (Web of Science, 18.06.2021)
Projects	- Member in <b>4 national research projects</b> : (1) PN-II-ID-PCE-2011-3-0300; (2) PN-III-P1-1.2-PCCDI-2017-0245 ( <i>SUSTENVPRO</i> ); (3) PN-III-P2-2.1-PED-2019-1996 ( <i>POLYSAND</i> ); (4) PN-III-P4-ID-PCE-2020-1541 ( <i>ZwitterZein</i> ). - Member in <b>2 international research projects</b> : (1) Lego-style approach for problematic water streams treatment – <i>WATER-LEGO</i> (2018-2020); (2) Intelligent Sorption Materials for Water Treatment (Intelligente Sorptionsmaterialien für die Wasseraufbereitung) – <i>ISOMAT</i> , Contract: IB-RA2014-172 (2018-2020).
Research stages in European institutes	- February 2019; January 2020 – <i>Polyelectrolytes and Dispersions Department</i> , Leibniz Institute of Polymer Research, Dresden, Germany
Reviewer activity	Elsevier ( <i>Colloids Surf. A</i> ), MDPI ( <i>Membranes; Coatings</i> ), Springer ( <i>J. Mater. Sci.</i> ), others ( <i>Plast. Mater.</i> ).

## PERSONAL SKILLS AND COMPETENCES

Technical skills	Trained to use the following instruments: <i>ND-R Rotatory Dip Coater</i> (Nadetech Innovations S.L.); <i>PCD-03 titrator</i> (Mütek GmbH); <i>Analytic Jena 200 Plus UV-vis spectrophotometer</i> ; <i>Bruker Vertex 70 FT-IR spectrometer</i> ; <i>Q-Sense Pro Quartz Crystal Microbalance</i> (Biolin Scientific); <i>Zetasizer Nano ZS</i> (Malvern Panalytical); <i>OMNICOLL fraction collector/sampler coupled with HIFLOW peristaltic pump</i> .
Foreign languages (self-evaluation)	English - excellent (writing, reading, speaking); French - Basic (writing, reading, speaking); Romanian (native)