

Curriculum Vitae

Dr. CĂTĂLIN-PAUL CONSTANTIN

- **Personal data:**

Date/place of birth: December 21, 1985/ Tecuci - Galați, ROMANIA

Nationality: Romanian; Gender/Status: Male/Not married

Profile address on www.researcherid.com: <http://www.researcherid.com/rid/P-4210-2014>

- **Education and training:**

- 2011-2014** **PhD Degree in Chemistry**, Thesis title: “*New high performance nitrogen-containing heterocyclic polymers*”, Romanian Academy, ”Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania, October 2014, Supervisors: dr. Mariana Pinteala, dr. Maria Bruma. Thesis summary on:
https://www.researchgate.net/publication/311935547_New_High_Performance_Nitrogen-Containing_Heterocyclic_Polymers
- 2010-2011** **Master Degree** in Chemistry and Biochemistry of Heterocyclic Compounds, Faculty of Chemistry, ”Alexandru Ioan Cuza” University, Iasi, Romania, 2010
- 2009-2010** **ERASMUS Student** at Technical University of Braunschweig, Germany
- 2005-2008** **Bachelor of Chemistry**, Faculty of Chemistry, ”Alexandru Ioan Cuza” University, Iasi, Romania
- Nov. 2012** **PhD stage** at Center for Polymers and Carbon Materials of the Polish Academy of Science, Zabrze, Poland
(1 week)
- Oct. 2017** **PostDoc stage** at Center for Polymers and Carbon Materials of the Polish Academy of Science, Zabrze, Poland
(1 week)
- Sept. 2019** **PostDoc stage** at Center for Polymers and Carbon Materials of the Polish Academy of Science, Zabrze, Poland
(1 week)

- **Professional experience:**

- Nov. 2014 - present** **Young Researcher**, Polycondensation and Thermostable Polymers Department, ”Petru Poni” Institute of Macromolecular Chemistry, Iasi
- Nov. 2011 - Nov. 2014** **Research assistant**, Polycondensation and Thermostable Polymers Department, ”Petru Poni” Institute of Macromolecular Chemistry, Iasi

- **Research interest:**

- Fine organic synthesis of heterocyclic compounds
- Development of heterocyclic polymers: polyimides, polyoxadiazoles, polyphenoxazines, etc.
- Processing in thin films and coatings of polymer-based materials
- Heterocyclic polymer-based materials for electronic and optoelectronic applications
- Heterocyclic structure-based dyes for photovoltaic cells and organic light emitting diodes
- Polymer blends for gas separation membranes
- Polyimide and polyamide materials for biomedical applications

- **Experimental skills**
 - Good experience in synthetic organic and macromolecular chemistry
 - Expertise in the synthesis and structural identification of the molecular structures
 - Expertise in preparation of thin films and coatings from polymer or composite solutions
 - Expertise in physical-chemical characterization of polymer materials
 - Expertise in assessing the applicative potential of polymer materials
 - Skill in manipulation several apparatus (FTIR, DSC, RMN, UV-vis, rheology, TGA, DSC, electrochemistry, electrical measurements)

- **Computer skills**
 - Ability to use specific programs for chemistry such as ACD Lab, Chemdraw, Origin, Adobe Acrobat, HyperChem, TopSpin, Microsoft Office, CorelDraw, Photoshop

- **Scientific contribution:**
 - **21** scientific referred articles published in ISI journals
 - **1** papers published in **ISI indexed** proceeding of an international conference
 - **28** oral presentations (lectures or communications) and **4** posters
 - **2** book chapters as co-author
 - member of **5** research projects/contracts:
 - Young Research Teams Project, code: PN II-RU TE_221
 - Framework Contract Services in the frame of POS-CCE-axis II CDI project no. 840 / 03.04.2013
 - European Structural Funds, Knowledge Transfer to Economical Agents Project, code: POC-A1-A1.2.3-G-2015
 - Demonstrative Experimental Project, code: PN-III-P2-2.1-PED-2016-0510
 - Exploratory Research Project, code: PN-III-P4-ID-PCE-2016-0708
 - member in the organizing committee of **2** international symposia

- **Scientific visibility:**
 - **H-index: 7** (*according to ISI Web of Science, October 2019*)
 - **Sum of the times cited: 134** (*according to ISI Web of Science, October 2019*)