

# Curriculum Vitae

## Personal details

First name / Surname **Corneliu HAMCIUC**  
Address Str. G. Ureche, Nr. 1, Bl. V. Maracineanu, Et.2, Ap.3, 700023-Iasi, Romania  
Telephone (+40) 332-444111; (+40) 773 374 476  
E-mail chamciuc@icmpp.ro; hamciuc@yahoo.co.uk  
Nationality Romanian  
Date / place of birth June 7, 1957; Ruginoasa - Iasi, Romania  
Gender Male

## Education

Sept. 2016: Habilitation certificate, MEN Order no. 5330/29.09.2016; Thesis: Functional polymers with phosphorus- and/or nitrogen-containing rings for advanced applications;  
Nov. 1996: Ph.D. in Chemistry, Romanian Academy, "Petru Poni" Institute of Macromolecular Chemistry, Iasi; topic: Heterocyclic polyamides for high performance applications (Advisor: Prof. Ass. Dr. Florin Popescu);  
July 1982: B.S. Chemical Engineering "Gh. Asachi" Polytechnic Institute, Faculty of Industrial Chemistry, Iasi, Department of Macromolecular Compounds Technology;  
Two DAAD fellowships (by international projects competition), 2000 and 2004, two months each;  
July 1976: "C. Negruzzi" High School, Iasi.

## Professional experience

1986-present: "Petru Poni" Institute of Macromolecular Chemistry (ICMPP), Iasi, Polycondensation and Thermostable Polymers Department, Senior Researcher;  
Dec. 2014 - present: Senior researcher I, ICMPP; 2000-2014: Scientific researcher II; 1997-2000: Scientific researcher III; 1990-1997: Scientific researcher; 1986-1990: Chemical Engineer;  
Research stages abroad: Germany (1994-2005, Institute of Thin Films Technology and Microsensors from Teltow, total months: 10; Max-Planck Institute of Polymer Research from Mainz, total months: 27; Spain (2012-2013, AIDICO Institute from Novelda-Alicante, total weeks: 6);  
Visiting Scientist: Moscow-Russia (1990, 1993, 2006; total weeks: 6), Budapest-Hungary (1995, 1999, 2003; total weeks: 6), Sofia-Bulgaria (2011, 2012, 2013, 2014, 2015, 2016, 2017; total weeks: 7);  
Jan. - Apr. 1986: Plant of Synthetic Fibres - Iasi, Romania;  
Oct. 1982 - Dec. 1985: Plant of Synthetic Fibres - Vaslui, Romania.

## Present position

Jan. 2015 - present: Head of Polycondensation and Thermostable Polymers Department, ICMPP; PhD promoter.

## Publications

**163** scientific articles in national and international journals;  
**34** scientific articles in volumes of national and international conferences;

6 books in Romania;  
6 chapters in different books;  
11 patents;  
Over 80 presentations (lectures, oral communications or posters) in scientific meetings, symposia or conferences, in Romania and abroad;  
12 other applicative research reports (during 1986-1990).

**Scientometrics indicators**

Hirsch index,  $h=21$ ; total number of citations, without self-citations: 1091 (according to Web of Science).

**Awards and Memberships**

- Diploma and medal at Innovation National Exhibition CHIM-INVENT 2013, Iasi, Romania;
- Diploma awarded by the journal Materiale Plastice (Bucharest), 2010;
- Gold medal at the International Exhibition of Inventions, Inventika 2009, Bucharest, Romania;
- Diploma of Excellence in Research, awarded by the Romanian Government, 2000;
- The Romanian Academy Prize for Chemistry, "Nicolae Teclu", 1999;
- Prize I at the Symposium „Linear and nonlinear polyelectrolytes”, Iasi, Sept. 1999;
- Member of the Romanian Chemical Society (since 2000).

**Research interests**

Phosphorus-containing polymers; Multifunctional heterocyclic polymers and copolymers; Polyimide/polydimethylsiloxane copolymers; Fluorinated and silicon-containing polymers; Polymers containing amino or sulfonic groups; Radioprotective polymers; Organic/inorganic hybrid materials; Polymer blends and composites.

**Technical skills and competences**

- Polycondensation and polymerization reactions;
- Chemical modification of polymers;
- Sol-gel technique;
- Synthesis/characterization of monomers/polymers by various methods;
- Processing of the polymers as free standing films and coatings;
- Preparation and study of composite and nanocomposite polymer materials.

**Language**

Mother tongue: Romanian; other languages: English, Russian

**Organisational skills/competences**

Coordination of the scientific activities for a research team (since 2007) and Head of Polycondensation and Thermostable Polymers Laboratory (since 2015); Project management.

**Referee for the journals**

Polymer Bulletin, European Polymer Journal, Polymer, Polymer International, Journal of Materials Science, Macromolecular Research, Journal of Applied Polymer Science, Composites Part B, High Performance Polymers, and other.

**International collaborations**

International collaborations with Max-Planck Institute for Polymer Research, Mainz-Germany, and Technical University of Lodz, Poland;  
Institute of Thin Film Technology and Microsensors, Teltow-Germany (team-member);

Interacademic cooperation with Institute of Mineralogy and Crystallography, Sofia-Bulgaria (team-leader); Institute of Element Organic Compounds, Moscow-Russia, and Central Institute of Chemical Research, Budapest-Hungary (team-member).

**Involving in  
research projects**

- Two projects by competition (as director/responsible): a CNCSIS Project (2005-2007) and a PN-II-PT-PCCA-2013-4-1086 Project (2014-2017);
- 10 national projects by competition (as team-member).

**Training potentiality**

To supervise PhD theses in multifunctional heterocyclic polymers, phosphorus-containing polymers, flame-resistant polymer materials, polymer composites membranes, polymer materials having low or high dielectric constant (flexible low-k polymer films for electronic circuits, high-k polymeric materials for capacitors or actuators).

07.10.2019

