



## Europass Curriculum Vitae



### Personal information

Surname(s) / First name(s) **HURDUC, Nicolae**

Address(es) «Gheorghe Asachi» Technical University of Iasi, «Cristofor Simionescu» Faculty of Chemical Engineering and Environmental Protection, Department of Natural and Synthetic Polymers, Bd. Mangeron 71, 700050-Iasi, Romania

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Nationality Romanian

Date of birth May 28 1956

### Work experience

Dates 2001-present

Occupation or position held **Professor**

Main activities and responsibilities Professor of Polymer Chemistry, Supramolecular Chemistry and Molecular Modelling  
Minister of Research and Innovation (2018-2019)  
Dean of the Faculty of Chemical Engineering and Environmental Protection (2016-2020)  
Vice-Dean of the Faculty of Chemical Engineering and Environmental Protection (2008-2016)  
Director of Department of Natural and Synthetic Polymers (2020-present)

Name and address of employer «Gheorghe Asachi» Technical University of Iasi

Type of business or sector Department of Natural and Synthetic Polymers

1996 - 2001 Associated Professor - «Gheorghe Asachi» Technical University of Iasi  
1986 - 1996 Assistant Professor - «Gheorghe Asachi» Technical University of Iasi  
1984 - 1986 Researcher – Institute of Macromolecular Chemistry «Petru Poni» Iasi  
1980 – 1984 Engineer – Company of Synthetic Fibers Iasi

### Education and training

Dates 1986 - 1993

Title of qualification awarded **PhD**

Principal subjects/occupational skills covered Macromolecular Chemistry

Name and type of organisation providing education and training «Gheorghe Asachi» Technical University of Iasi

Level in national or international classification

ISCED 6

1975 – 1980

**Chemical Engineer** – Macromolecular Chemistry  
«Gheorghe Asachi» Technical University of Iasi

**Personal skills and competences**

Mother tongue

**Romanian**

Other languages

Self-assessment

*European level (\*)*

**Language English**

**Language French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B2	Independent user
C1	Advanced user	C1	Advanced user	C1	Advanced user	C1	Advanced user	B1	Independent user

Skills and competences/

Research fields

Biomaterials – smart polymers as support for cell cultures

Supramolecular chemistry (liquid crystals, nanostructured azo-polymers)

Molecular motors

Molecular modeling and polymers properties simulation

Living radical polymerization (ATRP, SET-LRP)

Polymer characterization methods (ATG, DSC, NMR, UV/VIS and fluorescence spectroscopy, optical microscopy, surface properties)

Publications

Scientific articles: **179 (145 in Thomson ISI ranked journals)**

Citations (Thomson ISI): **1600**

Hirsch Index: **21**

Books and book chapters: **7**

Patents: **6 (2 French Patents)**

Conferences and communications: **300**

Stages

1995 (Jan-March), Invited Professor, Université du Littoral, Laboratoire de Dynamique et Structure des Matériaux Moléculaires, Dunkerque, France

1996 (Avril-May), Invited Professor, Université du Littoral, Laboratoire de Dynamique et Structure des Matériaux Moléculaires, Dunkerque, France

1997 (Avril-May), Invited Professor, Université du Littoral, Laboratoire de Dynamique et Structure des Matériaux Moléculaires, Dunkerque, France

2001-2002, CNRS Senior Researcher, Université Paris 13, Laboratoire de recherches sur les macromolécules, Paris, France

2001 (Sept-Oct), Invited Professor, Centre of Molecular and Macromolecular Studies of the Polish Academy of Science, Lodz, Poland

2002 Invited Professor, Université Paris 13, Laboratoire de recherches sur les macromolécules, Paris, France

2004 (Avril-May), Invited Professor, Université Paris 13, Laboratoire des biomatériaux et polymères de spécialité, Paris, France

2005 CNRS Senior Researcher, Université Paris 7, Faculté de Médecine Saint-Louis, Laboratoire de Biomécanique et biomatériaux ostéo-articulaire et Université Paris 13, Laboratoire des biomatériaux et polymères de spécialité

Awards	<b>Romanian Academy Price (1993)</b>
International collaborations	<ul style="list-style-type: none"> <li>* Commissariat a l'Energie Atomique (France)</li> <li>* Université Paris 6 Pierre et Marie Curie (France)</li> <li>* Université of Angers (France)</li> <li>* Université Paris Nord (France)</li> <li>* Centre of Molecular and Macromolecular Studies of the Polish Academy of Science, Lodz (Poland)</li> <li>* Kyoto University (Japan)</li> <li>* Queensland University (Australia)</li> <li>* Université Paris 7 (France)</li> <li>* Newcastle University (Australia)</li> <li>* Royal Melbourne Institute of Technology (Australia)</li> <li>* Connecticut University (USA)</li> <li>* Technical University of Budapest (Hungary)</li> <li>* Technical University of Vienna (Austria)</li> <li>* Liquid Crystal Institute, Kent State University, Kent, (USA)</li> </ul>
<b>Additional information</b>	<p>Member - <b>Royal Society of Chemistry</b>  Member - <b>International Liquid Crystal Society</b>  Member - <b>ALFRED KASTLER Foundation</b>  Member - <b>Romanian Society of Rheology</b></p> <p>Editorial board member:</p> <ul style="list-style-type: none"> <li>• <b>Recent Patents on Nanotechnology</b></li> <li>• <b>Environmental Engineering and Management Journal</b></li> </ul> <p>Reviewer:</p> <p>Progress in Polymer Science, Biomaterials, Acta Biomaterialia, Soft Matter, Langmuir, RSC-Advances, Macromolecules, Biomacromolecules, Materials Science and Engineering C, Polymer, European Polymer Journal, Materials Chemistry and Physics, Journal of Physics, Journal of Physical Chemistry, Journal Molecular Catalysis, Macromolecular Theory and Simulations, Journal of Applied Polymer Science, Reactive and Functional Polymers, Journal of Thermal Analysis and Calorimetry, Polymer Bulletin, Journal of Hazardous Materials, Journal of Photochemistry and Photobiology A: Chemistry Industrial &amp; Engineering Chemistry Research, Central European Journal of Chemistry</p> <p>PhD thesis advisory board:</p> <ul style="list-style-type: none"> <li>• mai 2005 - Université Paris Nord (France)</li> <li>• avril 2005 - Tezpur University (India)</li> <li>• avril 2007 - Royal Melbourne Institute of Technology (Australia)</li> <li>• juin 2009 - Université de Pau et des Pays de l'Adour (France)</li> </ul> <p>Expert of European Research Council (Horizon 2020), ANCS (Romania), ARACIS (Romania)</p> <p>Grants Director - 25 projects</p>
<b>Annexes</b>	List of publications