

# Kristina GUSAKOVA

**PhD** in Macromolecular Chemistry,  
**Assoc. Prof.**

**Present position:** Senior Researcher, Department of Thermosettable Polymers and Nanocomposites, Institute of Macromolecular Chemistry of the National Academy of Sciences of Ukraine

## Main research interests:

Synthesis of thermosetting polymers, polymer modification, polymer mixtures and composites with fillers of different chemical nature, porous polymers, biopolymers and mixtures thereof, kinetic studies, investigation of chemical structure, thermal and mechanical characteristics as well as morphology of polymers.

**Publications:** about 140 publications, including 1 monograph (edited by B. Paton), 2 chapters in books (including 1 in the international issue), 37 papers (more than 20 in peer-reviewed international journals), 16 patents of Ukraine (including 3 items for invention), more than 80 presentations at the Ukrainian and international conferences and forums.

## Project Experience:

- 2022-2026 – International Research Project CNRS-NASU «IRP POLYTHERMAT» (*France-Ukraine*)
- 2017-2021 – CNRS-NASU Joint Project: International Associated Laboratory LIA “POLYNANOPOR” (*France-Ukraine*)
- 2016-2019 – Horizon 2020 (EU), project «Strategic and Targeted Support for Europe-Ukraine Collaboration in Aviation Research» AERO-UA
- 2015-2016 – PAN-NASU Joint Project (*Poland-Ukraine*)
- 2014-2015 – CNRS-NASU Joint Project (*France-Ukraine*)
- 2013-2025 – Target program of scientific research of the National Academy of Sciences of Ukraine «Scientific and technical problems of monitoring the condition, evaluation and extension of service life of structures, equipment and buildings of long-term operation»
- 2012-2016 – RAS-NASU Joint Project (*Romania-Ukraine*)
- 2012-2013 – International Project of the State Fund for Fundamental Research Ф53.3.033

### **h-index (2023):**

9 (Scopus),  
10 (Google Scholar)

### **citations (2023):**

163 (Scopus),  
177 (Google Scholar)



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PhD

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- 2011-2013 – PICS Joint Project № 5700 (*France-Ukraine*)
  - 2010-2014 – Governmental Program for Target Scientific Research “Nanotechnologies and nanomaterials”
  - 2008-2009 – CNRS-NASU Joint Project (*France-Ukraine*)
  - 2007-2009 – Royal Society Joint Project (*United Kingdom-Ukraine*)
  - 2006-2007 – CNRS-NASU Joint Project (*France-Ukraine*)

#### Awards:

- 2017 – Award of the President of Ukraine for young scientists

#### Personal Grants & Scholarships:

- 2017 – AERO-UA Grant (*EU*)
- 2016 – Grant of the French Embassy in Ukraine
- 2016-2018 – Scholarship of the National Academy of Sciences of Ukraine for young scientists
- 2014-2016 – Scholarship of the President of Ukraine for young scientists
- 2014 – Personal Fellowship for investigations (*France*)
- 2012 – Grant of the President of Ukraine for Talented Youth
- 2007 – Grant Fellowship PENED (*Greece*)

#### Other professional experience:

- 2022-present – Member of Scientific Committee of the Annual World Forum on Advanced Materials POLY-CHAR
  - 2017-2020 – Expert of Ministry of Education and Science of Ukraine
  - 2017-2019 – Member of the Council of young scientists of the Institute of Macromolecular Chemistry of the NAS of Ukraine
  - 2017 – Co-organizer of the IX International Conference of Young Scientists on Welding and Related Technologies (*Ukraine*)
  - 2015 – Member of the Organizing Committee of the 3<sup>rd</sup> CEEP Workshop on Polymer Science (*Romania*)
  - 2014-2020 – Responsible executor of sections of topics and projects, including international ones, implemented by the Department of the Institute
  - 2014 – Plenary lecture at the 2<sup>nd</sup> CEEP European Workshop “Polymer Science at Nanoscale” (*Romania*)
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