

# Curriculum vitae



## Personal details:

**Name:** MSc. Patrik Sobolciak, PhD.

**Age:** 39

**Nationality:** Slovakia

**E-mail:** [sobolciak@gmail.com](mailto:sobolciak@gmail.com)

**Researchgate:** <https://www.researchgate.net/profile/Patrik-Sobolciak>

## Working experience:

- 2023-present** Research Associate, Qatar University, Center for Advanced Materials, P.O. Box: 2713, Doha-Qatar
- 2020-2023** Post-Doctoral Researcher on the Research Project NPRP12S-0311-190299: “Development of Novel Polymeric Adsorbent Media for Produced Water Treatment”, Qatar University Center for Advanced Materials, P.O. Box: 2713, Doha-Qatar
- 2018-2019** Post-Doctoral Researcher on the Research Project NPRP 8-878-1-172: “Rational Design of Environmentally-Friendly Polymer-Carbon Dot Composite Color Light Emitting Diodes for Displays and Solid State Lighting”, Qatar University Center for Advanced Materials, P.O. Box: 2713, Doha-Qatar
- 2015-2018** Post-Doctoral Researcher on the Research Project NPRP 7-1724-3-438: “Innovative electrospun conductive spider silk nanofibers for human nerve regrowth”, Qatar University Center for Advanced Materials, P.O. Box: 2713, Doha-Qatar
- 2013-2015** Post-Doctoral Researcher on the Research Project NPRP 4-465-2-173: “New phase change materials with improved heat transfer properties”, Qatar University Center for Advanced Materials, P.O. Box: 2713, Doha-Qatar
- 2012-2013** Researcher, Polymer Institute of the Slovak of Academy Sciences Department for Biomaterials research, Dúbravská cesta 9, 845 41 Bratislava-Slovak Republic

## Working expertise:

- Water treatment applications, preparation of filters for water treatments, materials for water purification of waste water, addressing of fouling of membranes
- Phase change materials and heat transfers for energy sustainable application
- Preparation and characterisation of various monomers, polymers and nanomaterials
- Various thermal, chemical and spectral expertises

- Co-supervising students for Al-Bairaq program and master students at Qatar University

**Outputs:** over 50 CC publications and 1 US patent, over 800 citations (h-index 15)

## **Awards**

- Prize of the Minister of Education of the Slovak Republic for scientific research team of 2010
- The award of the second best research poster in Materials Science and Engineering Symposium, Doha, Qatar, 2014
- The award of best research poster in Qatar-UK Research Networking Programme, Doha, Qatar, 2016

## **Education:**

**2008 - 2012** PhD. in Macromolecular Chemistry  
 Polymer Institute of the Slovak Academy of Sciences  
 Department for Biomaterials research  
 Dúbravská cesta 9, 845 41 Bratislava  
 Slovak Republic

Dissertation thesis: *Synthesis and properties of special materials based on water-soluble polymers*

**2006 - 2008** MSc. in Environmental Chemistry  
 Comenius University in Bratislava  
 Faculty of Natural Sciences  
 Department of Environmental chemistry,  
 Mlynská dolina, 842 15 Bratislava 4  
 Slovak Republic

**2002 – 2006** Bc. in Bioorganic Chemistry  
 Comenius University in Bratislava  
 Faculty of Natural Sciences  
 Department of Organic chemistry,  
 Mlynská dolina, 842 15 Bratislava 4  
 Slovak Republic

## **Additional information**

**Languages:** Slovak – native  
 English – active level  
 Czech – active level  
 German – beginner  
 Arabic – beginner

**Driving license:** category B, over 200 000 km