

Ihor Mykytyn,
Vasyl Stefanyk Precarpathian National University

Work place: Vasyl Stefanyk Precarpathian National University

Department of Chemistry

Name: Ihor Mykytyn

Profession: Associate Professor

Date of Birth: 21st of February 1980

Nationality: Ukrainian

CONTACT INFORMATION

Vasyl Stefanyk Precarpathian National University: 57 Shevchenko Str., Ivano-Frankivsk 76018

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KEY QUALIFICATIONS:

Mr. Ihor Mykytyn has more than 18 years of experience in working as a researcher in the area of synthesis and investigation of oxidative chlorination catalysts, new carbon materials obtaining, mesoporous titania as a photocatalyst and an adsorbent for wastewater treatment. Lecturer, Associate Professor is at the Department of Chemistry. He has a Ph.D. (2009) in Technology of Organic Synthesis Products, Technical Science.

EDUCATION

Candidate of Science (Ph.D.) in Technology of Organic Synthesis Products (graduating in 2009), Technical Science, University "Lviv Polytechnic" Ukraine.

M.A. with honors in Chemistry (graduating in 2003), Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine.

B.A. with honors in Chemistry (graduating in 2002), Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine.

Junior Specialist with honors in Chemical Technology of Organic Substances (graduating in 1999), Kalush Chemical Engineering College, Ukraine.

LANGUAGES:

	Spoken	Read	Written
Ukrainian	Native	Native	Native
Russian	Excellent	Excellent	Excellent
English	Good	Good	Good

ADVANTAGES

excellent skills and experience in the field on materials testing by thermal analysis, X-ray microanalysis.

PROFESSIONAL EMPLOYMENT RECORD:

- 2018 *Associate Professor*, Department of Chemistry, Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine.
- 2017 *Associate Professor*, Department of Theoretical and Applied Chemistry, Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine.
- 2011-2017 *Lecturer*, Department of Organic and Analytical Chemistry, Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine.
- 2009-2011 Foreman workshop shift workshop for the production of vinyl chloride LLC Karpatnaftochim, Kalush, Ukraine.
- 2007-2009 Operative gas-distribution sixth category in the workshop for the production of vinyl chloride LLC Karpatnaftochim, Kalush, Ukraine.
- 2007 Operative oxidative chlorination of ethylene sixth category in the workshop for the production of vinyl chloride LLC Karpatnaftochim, Kalush, Ukraine.
- 2003-2006 Post-graduate student at Vasyl Stefanyk Precarpathian National University, Specialty 02.00.21 – “Chemistry of a solid body”.

Participation in Ukrainian and international projects as Senior Researcher (selected list)

- 2017 – 2019: Creating a new generation of sorbents for heavy metal and strontium removing from the water environment (Ministry of Education and Science of Ukraine (MESU), № 0117U002408)., Senior Researcher;
- 2018 – 2020: Composite building materials based on cement and fly ash from thermal power plant (Ukraine, № 0119U100713), Senior Researcher;
- 2020 – 2022: New photocatalytic systems based on heteronanostructured titanium dioxide (Ministry of Education and Science of Ukraine, № 0120U102035), Senior Researcher;

SELECTED PUBLICATIONS:

1. Sergiy A Kurta, Igor M Mykytyn, Tetiana R Tatarchuk. Structure and the catalysis mechanism of oxidative chlorination in nanostructural layers of a surface of alumina // Springer Journal: Nanoscale Research Letters. 15.06.2014, №9\1, P.357 <https://doi.org/10.1186/1556-276X-9-357>
2. S.A. Kurta, I.M. Mykytyn. Green technology recycling highly toxic industrial waste // Technology audit and production reserves. – 2014. – №1/3 (15). – P. 31-34. <https://doi.org/10.15587/2312-8372.2014.21606>
3. Sergey Kurta, Alexandra Voronich, Igor Mykytyn, Andrea Feriancova. Properties of the PVC polymer compositions, with waste of cellulose containing polymer // XVI konferencja Naukowo-Techniczna «Polimery i kompozyty konstrukcyjne. Kompozyty 2017.».- Gliwice-Istebna, 09.05-12.05, 2017.
4. Sergiy Kurta, Ihor Mykytyn, Alexandra Voronych and Viktoria Ribun. Monitoring Ambient Air Quality in the Carpathian Region of Ukraine / J. Chem. Chem. Eng. 12 (2018) 31-37.
5. Mironyuk I. F., Tatarchuk T. R., Vasylyeva H. V., Yaremiy I. P., Mykytyn I. M. Morphology, Phase Composition and Radiological properties of Fly Ash obtained from the Burshtyn Thermal Power Plant // Physics and Chemistry of SolidState. vol.19, №2 (2018).P.171-178.<https://doi.org/10.15330/pcss.19.2.171-178>
6. Mironyuk I., Tatarchuk T., Vasylyeva H., Gun'ko V., Mykytyn I. Effects of chemisorbed arsenate groups on the mesoporous titania morphology and enhanced adsorption properties towards Sr(II) cations // Journal of Molecular Liquids. 282 (2019), P. 587–597. <https://doi.org/10.1016/j.molliq.2019.03.026>
7. Mandzyuk V. I., Myronyuk I. F., Sachko V. M., Mykytyn I. M. Template Synthesis of Mesoporous Carbon Materials for Electrochemical Capacitors// Surf. Engin. Appl. Electrochem. 56(2020).P. 93–99. <https://doi.org/10.3103/S1068375520010123>
8. Vasylyeva H., Mironyuk I., Mykytyn I., Danylyk N. Adsorption of barium and zinc ions by mesoporous TiO₂ with chemisorbed carbonate groups// Physics and Chemistry of Solid State, Vol 20, № 3 (2019). P. 282-290. <https://doi.org/10.15330/pcss.20.3.282-290>
9. Hanna Vasylyeva, Ivan Mironyuk, Igor Mykytyn, Khrystyna Savka, Equilibrium studies of yttrium adsorption from aqueous solutions by titanium dioxide. Applied Radiation and Isotopes, 2020, 109473. <https://doi.org/10.1016/j.apradiso.2020.109473>

10. Ivan Mironyuk, Igor Mykytyn, Hanna Vasylyeva, Khrystyna Savka. Sodium-modified mesoporous TiO₂: Sol-gel synthesis, characterization and adsorption activity toward heavy metal cations. *Journal of Molecular Liquids* 316 (2020): 113840. <https://doi.org/10.1016/j.molliq.2020.113840>
11. I. F. Mironyuk, I. M. Mykytyn, O. Ye. Kaglyan, D. I. Gudkov, H. V. Vasylyeva. ⁹⁰Sr adsorption from the aquatic environment of Chernobyl exclusion zone by chemically enhanced TiO₂. *Nucl. Phys. At. Energy* 2020, volume 21, issue 4, pages 347-353. <https://doi.org/10.15407/jnpae2020.04.347>
12. I.F. Myronyuk, V.O. Kotsyubynsky, V.M. Boychuk, I.M. Mykytyn, V.M. Gun'ko, Photocatalytic Properties of Sn-doped TiO₂. *J. Nano- Electron. Phys.* 13 No 1, 01001 (2021). DOI: [https://doi.org/10.21272/jnep.13\(1\).01001](https://doi.org/10.21272/jnep.13(1).01001)
13. Ivan Mironyuk, Nazarii Danyiuk, Tetiana Tatarchuk, Ihor Mykytyn, Volodymyr Kotsyubynsky. Photocatalytic degradation of Congo red dye using Fe-doped TiO₂ nanocatalysts. *Physics and Chemistry of Solid State*. Vol. 22 No. 4 (2021) <https://doi.org/10.15330/pcss.22.4.697-710>
14. Ivan Mironyuk, Igor Mykytyn, Hanna Vasylyeva. Structural and morphological properties of titanium dioxide nanoparticles doped by Boron atoms. *Physics and Chemistry of Solid State*. V. 23, No. 3 (2022) pp. 542-549. <https://doi.org/10.15330/pcss.23.3.542-549>