

Sergii Kurta

Doctor of technical science in specialty "Chemistry and Technology of products of organic synthesis",

Professor (Full) in Department of Chemistry, Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine

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<http://www.pu.if.ua/depart/Chemistry/ua/>

<https://www.scopus.com/authid/detail.uri?authorId=6505832507>

https://www.researchgate.net/profile/Sergiy_Kurta/stats



Work Experience and Scientific degrees

- 2018- present **Professor (Full)** in Chemistry and Chemical Technology Department of Chemistry, Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine
- 2015—present **Doctor of technical science**, specialty 05.17.04. "Chemistry and Technology of products of organic synthesis", 29/09/2015. University "Lviv Polytechnic" Ukraine.
- 2013—2018 **Professor** Department of Chemistry, Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine.
- 2008—2011 **Head Department of Organic and Analytical Chemistry**, Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine.
- 2011—2013 **Associate Professor**, Department of Organic and Analytical Chemistry, Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine.
- 2003—2008 **Assistant Professor**, Department of Organic and Analytical Chemistry, Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine.
- 1995—2003 **Lecturer**, Department of Organic and Analytical Chemistry, Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine.
- 1988—2003 **Supervisor of the research laboratory**, Chlorvinyl, Kalush.
- 1979—1988 **Engineer/Chemist/Technologist**, Kalush Experimental Plant of the Institute of the Chemistry Surface, National Academy of Science of Ukraine, Kyiv, Ukraine.
- 1972—1977 **Student** of the Faculty of Chemistry and Technology of the Polytechnic Institute, in Lviv, Ukraine, 1977-**M.A. with honors** in Chemistry and Technology of the Main and Oil-Gas Synthesis, (diploma №B-1608279 18.06.1977), 1976-**B.A. with honors in** in Chemistry and Technology of the Main and Oil-Gas Synthesis

Summary of Scholarly Activity. 283- scientific research and pedagogy works and publications in peer-reviewed journals of Ukraine, Russia, Poland, and the USA, Hirsch Index=6, including:

- 23- articles in scientific international journals (Scopus, Web of science and other).
- 2- monograph;
- 8 - educational - methodical textbook for high school
- 6- certificate of registration of copyright in textbook
- 56-articles in scientific journals professional;
- 12- patents of Ukraine and
- 15- patents of the USSR.
- 100- paper presentations at the regional, national, and international conferences

AWARDS, HONORS, AND GRANTS

- 2017- Scientific - pedagogical internship at the Faculty of Industrial Technology of the

- University named Alexander Dubchak in Trencin and cholarship for a 2-month research/teaching in the framework of the National Scholarship Programme of the Slovak Republic for the Support of Mobility of University Teachers, Researchers and , beginning on 06.02.2017 to 06.04.2017.
- 2013-2015 Grant (40,000 EU). Hungary-Slovakia-Romania-Ukraine ENPI CBC Programme 2007-2013 (ref: HUSKROUA/1101), "Clean Air Management in the Romania-Ukraine Transboundary Area" (CLAMROUA), registration number: 1101/127.
- 2010-2012 Grant (10,000 EU). "Stimulating polymers film-forming composition for agrochemical technology for pre-plant treatment of the seeds agricultural crops" with Institute of Soil Fertilizer and Environment Resources Heilongjiang Academy of Agricultural Sciences. Nangang District, China.
- 2008 Academician, Academy of Technological Science of Ukraine, Kyiv. (Diploma № 155 from 11.04.2008r.)
- 2005 Medal award, certificate, and diploma in the regional competition among researchers in Chemistry. Ivano-Frankivsk, Ukraine.
- 1988 Award of Famous Inventor of the USSR, Kyiv.
- 1986 Medal award for active participation in liquidation of Chornobyl Elektro Nuclear Station catastrophe in 1986, Kalush, Ukraine.

TEACHING. Undergraduate and graduate courses:

1. Structure of matter
2. Organic Chemistry
3. Chemistry and technology of high molecular matters
4. Chlororganic substances
5. Fillers for polymer compositions
6. Aminoplastics
7. Chemistry and technology of natural carbohydrates and polysaccharides
8. Petrochemistry
9. Food biotechnology

ADVISING & COMMITTEES

Precarpathian National Vasyl Stefanyk University, Ivano-Frankivsk, Ukraine (1995-2020)

- **Advisor** of 56 students, enrolled in M.S. program at the Department of Organic and Analytical Chemistry
- **Major Professor** of 5 doctoral students at the Department of Organic and Analytical Chemistry, who completed their dissertations and received their degree.

SERVICE

1986-present Member of the Union of Chornobyl, Ukraine.

2005-2006 Participant in the competition of the American association "Who is who in Science and Engineering."

1989-1995 Leader of Kalush organization "Chornobyl of Ukraine," Kalush, Ukraine.

2016-present Member of the Specialized Scientific Council for defense of dissertations and doctoral research in Ukraine on speciality 05.17.04. "Chemistry and Technology of products of organic synthesis", in the University "Lviv Polytechnic" Ukraine.

LANGUAGES: Ukrainian (native), Russian (fluent), English (up.inter. B2), Polska (good B1)

RESEARCH INTERESTS:

1. Ecological, resource-saving technologies of the synthesis of 1,2-dichloroethane and vinyl chloride with utilization of chlororganic wastes.
2. Biopolymer compositions for the agrochemical resource-saving environmentally friendly technology pre-processing and selection seed of the agricultural crops with a minimum of fertilizers used.

3. Environmentally Friendly Technology and equipment for the separation and recycling Waste Paper Containing Polymer.
4. Improvement of the technology production thermal insulation foam, on the based of the urea-formaldehyde resins.

COMPUTER SKILLS:

Good knowledge of Microsoft Office programs.

SELECTED RESEARCH AND SCHOLARY PUBLICATIONS

1. Mykytyn I.M., I.M., Fedorchenko S.V., Kurta S.A. Practical scientific researches on purification of drinking water// Materials of the conference "Theory and Practice – the meaning of Research", 29-31.07.2013, Lublin, Poland. - P.45-51.
2. Kurta S.A., Matkivsky M.P., Voronych O.L., Fedorchenko S.V. Control of air purity in the trans-border region of Ukraine-Romania // Materials I International scientific-practical Internet-conference of students, post-graduates and young scientists "Determinists of sustainable development of organizations in conditions of globalization", 15-16 December, 2014, Dnipropetrovsk, Ukraine. – P.3-4.
3. Oleksandra Voronych, Sergiy Kurta, Sofiya Fedorchenko. Technology of recycling, properties and use of polyvinylchloride-coatedpaperwaste // Chemistry&chemical technology. – V. 10, № 2 (2016). – P.219-226.
<https://doi.org/10.23939/chcht10.02.2192>.
4. Angela M. Michnea, Kurta Sergiy. Calitatea aerului in regiunea transfrontaliera Romania-Ukraina. Monografie. // Raport “Managementul pentru un aer in regiunea transfrontaliera Romania-Ukraina (CLAMROUA)-HUSKROUA 1101|127”. Baia Mare Romania. - 2015. - 98 p.
5. 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.
6. Sergiy Kurta and Khatsevych Olga. Improving the Technology of Synthesis Absolutized Bioethanol // Chapter on book: «Analytical Chemistry - Advancement, Perspectives and Applications», Submitted: December 14th 2019. Published: May 22 nd 2020. – P. 1-15.
DOI: 10.5772/intechopen.92332. <https://www.intechopen.com/chapters/72148>.