

Inna S. Safyanova

PERSONAL INFORMATION

Date of Birth **11th of June, 1987**
Place of Birth **Ukraine**
Optional Personal **Single, don't have children**
Information



CONTACT INFORMATION

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EDUCATION, RESEARCH AND TRAINING

November 2018 Defended **PhD** thesis "*Picoline- and quinolinehydroxamic acids based metallacrowns containing copper(II) or cobalt(II/III) in metallamacrocyclic circuit*".

2011-2016 **PhD studies** at National Taras Shevchenko University of Kyiv, the faculty of Chemistry, the Department of Inorganic Chemistry.

June 30th 2011 Diploma (**Master degree**) with honours in Inorganic Chemistry. Diploma thesis: "*Coordination compounds of some 3d transition metals with 3,5-dimethyl-4-nitrozo-1-H-pyrazole.*"

2005–2009 National Taras Shevchenko University of Kyiv, the faculty of Chemistry, the Department of Inorganic Chemistry (**Bachelor degree**).

AWARDS

June-July 2010 worked at the department of chemistry at Georg-August-Universität Göttingen, Germany, as a part of the *Leonhard-Euler scholarship program*.

March-April 2011 worked at the chemical physics department of Center for chemistry and chemical engineering, Lund University, Sweden, as a part of the *Visby scholarship program*.

November-December 2013 took part in CAGEDRUGS (№ 295160) funded under FP7/2007-2013, IRSES, for conducting research work at the chemical department at Wroclaw University, Poland.

February-March 2015 took part in METALLACROWNS funded under FP7/2007-2013 under grant agreement № 611488, IRSES, for conducting research work at the

chemical department at Wroclaw University, Poland.

- May-June 2017 took part in METALLACROWNS funded under FP7/2007-2013 under grant agreement № 611488, IRSES, for conducting research work at the Laboratory of Bioanalytical Chemistry of Adam Mickiewicz University in Poznan, Poland.
- September-October 2017 took part in METALLACROWNS funded under FP7/2007-2013 under grant agreement № 611488, IRSES, for conducting research work at the Department of Chemistry, Life Sciences and Environmental Sustainability of the University of Parma, Italy.

PROFESSIONAL QUALIFICATIONS

- 01.2020-till now **Research assistant** at the Szeged University (USz), Department of Inorganic and Analytical Chemistry.
- 05.2019-12.2019 **Young researcher** at the Kyiv Taras Shevchenko University, the faculty of Chemistry, the department of Physical Chemistry.
- 01.2019-06.2019 **Assistant** at Bogomolets National Medical University, the department of General and Medical Chemistry, Kyiv, Ukraine.
- 2016-2018 **Engineer** at the Kyiv Taras Shevchenko University, the faculty of Chemistry, the department of Physical Chemistry.
- 2008-2010 **Laboratory assistant** at the Taras Shevchenko University of Kyiv, the faculty of Chemistry, the department of Inorganic Chemistry.

PUBLICATIONS, CONFERENCES, CONGRESS REPORTS

1. **I. Safyanova**, N.M. Dudarenko, V.A. Pavlenko, T.S. Iskenderov, Matti Haukka. *3,5-Dimethyl-4-nitroso-1H-pyrazole*. **Acta Cryst.** (2011). E67, p.2520-2521.
2. **I.S. Safyanova**, I.A. Golenya, V.A. Pavlenko, E. Gumienna-Kontecka, V.I. Pekhnyo, V.V. Bon, I.O. Fritsky. "Synthesis and molecular structures of Cu^{II} 15-Metallacrown-5 complexes with encapsulated Ca^{II}, Pr^{III} and Nd^{III} ions". **Z.Anorg.Allg.Chem.** (2015). № 641, p. 2326-2332.
3. **I.S. Safyanova**, K.A. Ohui, I.V. Omelchenko. "Crystal structure of N-hydroxypicolinamide monohydrate". **Acta Cryst.** (2016). E72, P. 117-119.
4. Fritsky I.O., Pavlischuk A.V., Golenya I.A., **Safyanova I.S.** "Structural types of hydroxamate metallacrowns" **Ukrainian chemical journal** (2016). 82, № 1, p. 3-16.
5. **I.S. Safyanova**, K.A. Ohui, I.V. Omelchenko. "Crystal structure of bis(μ-N-hydroxypicolinamidato)bis[bis-(N-hydroxypicolinamide)sodium]". **Acta Cryst.** (2017). E73, P.24-27.
6. **I.S. Safyanova**, K.A. Ohui, I.V. Omelchenko, S.V. Shyshkina. "Crystal structure of N-hydroxyquinoline-2-carboxamide monohydrate". **Acta Cryst.** (2017). E73, 795-797.
7. A. M. Qadir, S. Kansiz, G. M. Rosair, N. Dege, **I.S. Safyanova**. "Crystal structure and Hirshfeld

surface analysis of a zinc xanthate complex containing the 2,2'-bipyridine ligand" **Acta Cryst.** (2019). E75, 1857–1860.

8. **I.S. Safyanova**, O.A. Bondar, A.V. Pavlishchuk, I.V. Omelchenko, T.S. Iskenderov, V.A. Kalibabchuk. "Crystal structure of poly[(μ 3-4-amino-1,2,5-oxadiazole-3-hydroxamato)thallium(I)]" **Acta Cryst.** (2020). E76, 328–331.

First author of abstracts and oral presentations: "New Copper(II) coordination compounds with ethylphosphonoacetohydroxamic acid", "Selective synthesis monoethylphosphonohydroxamic acid (EtPAH)", "The lithium-promoted regioselective synthetic method of 5-alkoxycarbonyl-2-pyridinehydroxamic acid", "Synthesis and molecular structures of copper(II) 15-metallacrown-5 complexes based on 2-picolinehydroxamic acid with encapsulated calcium and lanthanide(III) ions" (oral presentation)

RESEARCH TECHNIQUES, SKILLS AND COMPETENCES

- Nuclear Magnetic Resonance (NMR)
- Infrared Spectroscopy (IR)
- Mass Spectrometry
- UV/Vis Absorption Spectroscopy
- Gas chromatography
- Circular dichroism (CD)
- pH-potentiometry
- Fluorescence spectroscopy
- MS Office (Word, Excel, PowerPoint, Outlook, OneNote), Internet Explorer (+other browsers), Origin, MestReNova NMR, Diamond/Mercury, Olex2, WinGX, ChemDraw, ADVASP etc.

Driving license category B

Languages

- Ukrainian (mother tongue),
- Russian (fluently),
- English (intermediate),
- Italian (beginner).

SCIENTIFIC INTERESTS

- Nanotechnology
- Interdisciplinary research between Chemistry and Physics
- Bioinorganic chemistry
- Biosensors
- Spectroscopy
- Drug chemistry