

Tatsiana V. Petrasheuskaya

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Personal

Nationality Belarus
Date of Birth 20.07.1992
Place of birth Minsk, Belarus

Education

2014-2015 M. Sc. degree in Chemistry at the National Academy of Sciences of the Republic of Belarus;
2009-2014 Undergraduate studies at the Chemistry faculty of Belarussian State University (Department of Radiation Chemistry and Chemical-Pharmaceutical technology, specialty Pharmaceutical activity).

Languages

Belarusian native tongue;
Russian native tongue;
English fluently;
Latin prescription nomenclature

Work Experience

09/2018-Present Research assistant, University of Szeged (Scientific adviser – **Assoc. Prof. Enyedy Éva Anna**);
04/2018-08/2018 Leading expert , Factory of veterinary drugs ‘Beleka’
07/2017- 10/2017 Researcher, University of Vienna (Scientific adviser – **Prof. Dr. Vladimir B. Arion**);
03/2013-06/2017 Junior research fellow, Research Institute for Physical Chemical Problems, Belarussian State University (Scientific adviser– **Prof. Dr. Natalia V. Loginova**);
01/2011–Present Member of a service, leadership, professional and community service organization “Rotaract”;
08/2012–07/2016 Counselor in the Children Summer Camp.

Awards

Winner of the XXI Republican contest of scientific works of students for work- NIRS-2015 «Synthesis and properties of bioactive complexes derived Mannich bases with zinc ions (II)».

Working skills

Work on the argon-vacuo line, big experience with organic and inorganic synthesis, crystals growing, cyclic voltammetry, etc.

Work experience in the IR-spectrometry, UV-VIS spectrometry analytical HPLC-columns, preparative HPLC-columns, NMR-spectrometry, pH-potentiometry, Fluorometry;

Skills in interpretation of IR-spectra, TG/DTA, UV-VIS spectra, ^1H , ^{13}C NMR spectra, 2D spectra, mass spectra.

High-level computer skills in the work with Microsoft office, Origin, Mnova NMR, Chem Office, IsisDraw, Perkin Elmer UV, Bruker, Mercury, Shelx, OPUS, Chromeleon.

Research interests

Synthetic and structural inorganic chemistry; organic chemistry, coordination chemistry, bioinorganic chemistry, organometallic chemistry, pharmaceutical chemistry.

Personal qualities

Confident; diligent; responsible; initiative; hardworking.

Personal achievement:

25/06/2011-09/07/2011 Rotary International Language Summer Camp in Holland;

2/07/2012-13/07/2012 Rotary International Language Summer Camp in Spain.

List of Presentation:

XII All-Russian conference with international participation "Problems of solvation and complex formation in solutions. From the effects in solutions to new materials" (29 June – 3 July);

International scientific-practical conference "Free Radicals in Chemistry and Life" (May 25- June 26, 2015, Minsk, Belarus);

XXV International Conferences on Coordination and Bioinorganic Chemistry (May 31 – June 5, 2015, Smolenice, Slovakia);

VII International Conference on Chemistry and Chemical Education "Sviridov Readings 2015" (April 7-11, 2015, Minsk, Belarus);

Scientific-practical conference of students and young scientists "Innovations in Medicine and Pharmacy 2014";

III All-Russian Scientific Conference with international participation "The success of synthesis and complexation" (21-25 April 2014);

VIII All-Russian Conference of Young Scientists with international participation in chemistry and nanomaterials «Mendeleev 2014» (1–4 April 2014).

List of Publications

The complexation of transition metal ions spatially shielded from 1,2-dihydroxybenzene derivatives in water-ethanol solution / Harbatsevich H.I., Kaval'chuk T.V., Petrasheuskaya T.V., Loginova N.V. et al. // Problems of solvation and complex formation in solutions: Theses of reports of XII All-Russian conference with international participation, Ivanovo, 2015, – P. 265-266.

The redox-active complexes of copper (II) and zinc (II) a Mannich base / Harbatsevich H.I., Faletrov Y.I., Loginova N.V., Kaval'chuk T.V., Petrasheuskaya T.V. et al. // Free radicals in chemistry and life: Book of Abstracts of the International Conference, Minsk, 2015 / Belarusian State University, – Minsk, 2015. – P. 70–71.

Redox-active zinc(II) complexes with Mannich bases: synthesis, physico-chemical characterization and biological evaluation / Petrasheuskaya T.V., Kaval'chuk T.V., Loginova N.V. et al. // Advances in Coordination, Bioinorganic and Inorganic Chemistry STU Press, Bratislava, 2015 P. 126- 137.

Synthesis and properties of complexes of bioactive derivatives of Mannich bases with zinc ion (II) / Petrasheuskaya T.V., Kaval'chuk T.V. // Collection of scientific works of students of the Republic of Belarus "NIRS 2014"– Minsk : Publishing center BSU, 2015. – P. 47-48.

Bioactive complexes Cu (II) and Zn (II) with Mannich base / Harbatsevich H.I., Kaval'chuk T.V., Petrasheuskaya T.V., Loginova N.V., Gres A.T., Osipovich N.P., Polozov H.I. // Sviridov Readings: Collected. Vol.11. / Belarusian State University– Minsk, 2015. – P.122-127.

Antifungal activity of copper (II) and zinc (II) Mannich base / Harbatsevich H.I., Petrasheuskaya T.V., Loginova N.V. // Innovations in Medicine and Pharmacy 2014: Materials remote scientific-practical conference of students and young scientists, Minsk, 2014 / Belarusian State Medical University. – Minsk, 2014. P. 510–514

Complexation ions Mn (II), Fe (II), Co (II), Ni (II), Cu (II) and Zn (II) with a spatially shielded derivatives of 4,6-di-tert-butyl-2,3-dihydroxybenzaldehyde / Harbatsevich H.I., Kaval'chuk T.V., Petrasheuskaya T.V., Loginova N.V.// Belarusian State University Gazette. – 2014.-V.2. - P. 11-14.

Synthesis and properties of bioactive complex of zinc (II) with 1,2-dihydroxybenzene derivatives / Harbatsevich H.I., Kaval'chuk T.V., Loginova N.V., Petrasheuskaya T.V., Osipovich N.P.//All-Russian Scientific Conference with international participation "The success of synthesis and complexation", Ministry of Education and Science, Peoples' Friendship University of Russian, Moscow, 21-25 April 2014. – P.82.

Complexing derivatives of 1,3-dihydroxybenzene with zinc ions (II) / Harbatsevich H.I., Kaval'chuk T.V., Petrasheuskaya T.V., Loginova N.V.// VIII All-Russian Conference of Young Scientists with international participation in chemistry and nanomaterials «Mendeleev 2014» Mendeleev Russian Chemical Society, Saint-Petersburg, 1–4 April 2014 P.145–146.

References

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Prof. Dr. Vladimir B. Arion

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