CURRICULUM VITAE

GENERAL INFORMATION

First name: Tetiana

Last name: Savluk

Date of birth: 20.09.2002

City: Kharkiv, Ukraine

E-mail: tanyasvlk0@gmail.com

EDUCATION

Masters's degree (in progress)

09/2024 – 12/2025

National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine

Speciality: Chemical technology and engineering
Educational program: Technologies of Technology of dye, paint materials and polymer coatings

Bachelor's degree

09/2020 – 06/2024

National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine

Speciality: Chemical technology and engineering
Educational program: Technologies of Organic Substances, Food Additives and Cosmetics

Diploma thesis "Post-transformation of Ugi Bisamides on the basis Pyrrolyl-*β*-Chlorovinylaldehyde and Benzyl isocyanide". Won in the first tour of the All-Ukrainian competition of student scientific works 2023/2024 in the direction of "Chemistry".

Secondary education

09/2009 – 06/2020

Teplytska secondary school of grades I-III № 1, Teplyk, Vinnytsia region, Ukraine

WORKING EXPERIENCE

Scientific laboratory engineer under the leadership of Professor, Doctor of Chemical Sciences Tsygankov A. V.

08/2024 – until now

Institute of Functional Materials Chemistry, State Scientific Institution "Institute for Single Crystals" of National Academy of Sciences of Ukraine

Scientific laboratory technician under the leadership of Professor, Doctor of Chemical Sciences Tsygankov A. V.

02/2024 – 08/2024

Department of Organic and Bioorganic Chemistry, Institute of Functional Materials Chemistry, State Scientific Institution "Institute for Single Crystals" of NAS of Ukraine

Scientific laboratory assistant under the leadership of Professor, Doctor of Chemical Sciences Tsygankov A. V. (internship)

07/2023 – 01/2024

Department of Organic and Bioorganic Chemistry of the State Scientific Institution "Institute of Single Crystals" of National Academy of Sciences of Ukraine

Scientific laboratory assistant under the leadership of Associate Professor, Candidate of Chemical Sciences Mikhedkina O. I. (internship)

04/2021 – 07/2023

Scientific lab of organic chemistry in National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine

PROFESSIONAL SKILLS AND KNOWLEDGE

Scientific and research:

- Working in research laboratories (organic synthesis), planning, conducting experiments, interpretation, systematization and generalization of scientific results;
- Searching for and analysis of the necessary scientific sources;
- Working with lab equipment such as Anton Paar Monowave 300 (MW-reactor).
- Implementing Green Chemistry ideas in organic synthesis and scientific research process.

IT-skills:

- Confident user of MS Office, Canva, Photoshop, apps for video editing, chemist soft such as ChemDraw, ChemSketch, Mendeley, MathCad, MestReNova, and Mercury;
- Content-making, photo- and video-editing, writing posts in social media networks, copy-writing.
- Creating and conducting thematic STEM Kahoot-quizzes.

Language knowledge:

- Ukrainian – native, fluent;
- English – upper-intermediate, fluent reading of scientific chemical literature without a dictionary.

Participation in events and courses:

- English course, Intermediate level (B1), Green Forest school (June 2023 – October 2023);
- English course, Upper-Intermediate level (B2), Green Forest school (December 2023 – April 2024).
- Open Days in NTU "KhPI" (2020-2022);
- Constant activity in student scientific community of the department.

PERSONAL SKILLS:

- The ability to clearly organize and plan the performance of assigned tasks, the ability to rationally use working time, and set priorities;
- The creative approach to solving tasks, activity and initiative in learning new;
- The ability to quickly adapt to new conditions and requirements.
- Attentiveness, diligence, punctuality, inspiration for self-development and learning, creativity, sense of taste, ability to present information in an interesting and attractive way.

SCIENTIFIC WORKS:

- Articles:
    - Tsygankov A.V., Vereshchak V.O., Savluk T.O., Desenko S.M., Ananieva V.V., Buravov O.V., Sakhno Ya.I., Shishkina S.V., Chebanov V.A. Ugi bisamides based on pyrrolyl-β-chlorovinylaldehyde and their unusual transformations, Beilstein J. Org. Chem., 2024, 20, 1773-1784.
- Abstract of thesis:
    - Savluk T. O., Zhirnova S. V. "Green techniques for multicomponent Ugi reactions", X International Scientific and Practical Conference "Chemistry, Bio- and Nanotechnology, Ecology and Economics in the Food and Cosmetic Industry". – Kharkiv, 2022 (in Ukrainian).

- Savluk T. O., Zhirnova S. V. "Advantages of the green method of ibuprofen synthesis compared to the traditional technology", XXXII International scientific and practical conference "Information technologies: science, engineering, technology, education, health. MicroCAD-2023". – Kharkiv, 2023 (in Ukrainian).
- Savluk T. O., Pancheva H. M. ""Green" method of synthesis of ibuprofen in comparison with traditional technology", XIII International scientific and methodical conference "Human safety in modern conditions". – Kharkiv, 2023 (in Ukrainian).
- Savluk T. O., Distanov V. B., Vereshchak V. O., Tsygankov A.V., Chebanov V.A. "Synthesis of Ugi bisamides based on *β*-chlorovinylaldehyde and benzylisocyanide", XI International Scientific and Practical Conference "Chemistry, Bio- and Pharmaceutical Technologies, Ecology and Economics in the Food, Cosmetic and Pharmaceutical Industry". – Kharkiv, 2023 (in Ukrainian).
- Savluk T. O., Distanov V. B., Tsygankov A.V., Chebanov V.A. "Pyrrolyl-*β*-chlorovinylaldehyde and benzyl isocyanide as building blocks in the synthesis of peptidomimetics", XI International Scientific and Practical Internet Conference of Students and Young Scientists «Chemistry and Modern Technologies». – Dnipro, 2023.
- Savluk T., Vereshchak V., Ananieva V., Tsygankov A., Chebanov V. A. "An unexpected method of synthesis of derivatives 2-oxo-4-(1*H*-pyrrol-3-yl)but-3-enoic acid based on Ugi bisamides", XXIV International Symposium «Advances in the chemistry of heteroorganic compounds». – Lodz, 2023.
- Savluk T. O., Vereshchak V. O., Ananieva V. V., Tsygankov A. V., Chebanov V. A. "Ugi bisamides based on pyrrolyl-β-chlorovinyl aldehyde: synthesis and reactivity", VII International (XVII Ukrainian) scientific conference for students and young scientists «Current chemical problems». – Vinnytsia, 2024.
- Tsygankov A.V., Savluk T.O., Saraev V.E., Zuieva V.V., Kolomiets O.V., Chebanov V.A. "Features of the Ugi reaction based on α-amino-tetrazole", XXVI Ukrainian conference on organic and bioorganic Chemistry. – Uzhgorod, 2024.
- Alexander V. Tsygankov, Tetiana O. Savluk, Volodymyra V. Zuieva, Oleksandr V. Kolomiets, Svitlana V. Shishkina, Valentyn A. Chebanov. "Synthesis of morpholine-2,5-dione by tandem multicomponent isocyanide reactions Azido-Ugi and Ugi", XXV International Symposium “Advances in the Chemistry of Heteroorganic Compounds”. – Lodz, 2024.