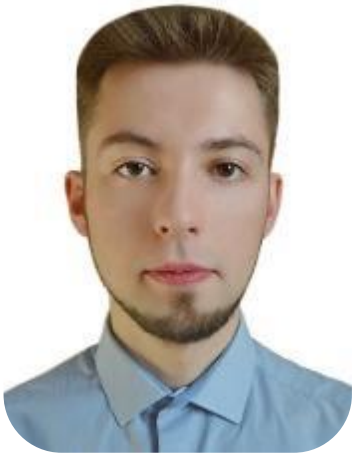
CURRICULUM VITAE



Resume:

3 years of experience in the field of organic synthesis, 3 years of experience in scientific research.

General Information

First name: Vladyslav

Last name: Vereshchak

Date of birth: 28.09.2002

City: Kharkiv, Ukraine

E-mail: vladver02@gmail.com

Education

Master's degree (in process)

09/2023-06/2025

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.

Won in the first tour of the All-Ukrainian competition of student scientific works 2023/2024 in the direction of "Chemistry" with team-work "Post-transformation of Ugi Bisamides on the basis Pyrrolyl-β-Chlorovinylaldehyde".

Bachelor's degree

09/2019 – 06/2023

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

Diploma of Bachelor degree with honours.

Speciality: Chemical technology and engineering

Educational program: Technologies of Organic Substances, Food Additives and Cosmetics

Diploma thesis: "Synthesis and study of Ugi products based on pyrrolyl-β-chlorovinylaldehyde and *o*-nitrobenzyl isocyanide".

Won in the first tour of the All-Ukrainian competition of student scientific works 2022/2023 in the direction of "Chemistry".

Secondary education

09/2007 – 06/2019

School-lyceum of Information Technology №69, Mariupol, Donetsk region, Ukraine

Certificate of complete secondary education with honours.

During studying at school had special achievements in the fields of geography, biology, chemistry, computer science etc, and won different Ukrainian olympiads, competitions and tournaments.

Working Experience

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

09/2023 – until now

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

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

04/2023 – 09/2023

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)

06/2020 – 02/2022

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 SMP10 Stuart (melting point determination), Shimadzu LCMS-2020

(chromatography and mass-spectra), Anton Paar Monowave 300 (microwave reactor), optical microscope;
- Engineering skills to repair simple laboratory equipment;
- Confident user of MS Office, AutoCAD, ChemDraw, ChemSketch, Mendeley, MathCad, MestReNova, and Mercury.

Languages:

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

Educational events, courses and trainings:

- MGI English language courses by native speakers (June 2018, Mariupol);
- STEM Camp School (NTU "KhPI") in the direction "Chemistry" (November 2019, Kharkiv);
- International Day of Light (as part of the UNESCO project, October 12, 2020, Kharkiv);
- English language course, Intermediate level (B1), Green forest school (February – June 2021);
- English language course, Upper-intermediate level (B2), Green forest school (October 2021 – February 2022);
- The Swedish concept of summer entrepreneurship for young people "UngDrive" (Mariupol, July 2021);
- Elsevier Researcher Academy – How to find relevant literature in Scopus, Presented by Paula Milewska Customer Success Manager (09 April, 2024);
- Elsevier Researcher Academy – Reaxys monthly training, Presented by Piotr Golkiewicz Customer Success Consultant (10 April, 2024);
- Spectroscopy and chromatography online courses on the online video-training platform chromacademy.com which have also gained endorsement from RSC and the ACS (2024).

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 information;
- The ability to quickly adapt to new conditions and requirements.
- Attentiveness, diligence, punctuality, inspiration for self-development and learning.

SCIENTIFIC WORKS:

- Articles:
  - Solovei V.M., Gorbunov K.O., Vereshchak V.O., Gorbunova O.V. "Study of processes of external mass transfer during adsorption from solutions in an apparatus with stirring", Integrated technologies and energy saving, 2021(1), Kharkiv (in Ukrainian).
  - Mikhedkina E.I., Ananieva V.V., Tsygankov A.V., Osolodchenko T.P., Ponomarenko S.V., Chebanov V.A. "Synthesis and study of biological activity of azomethines based on ethyl derivatives 4-acetyl-3,5-dimethyl-1*H*-pyrrole-carboxylate", Funct. Mater. 2021, 28 (3), Kharkiv.
  - Mikhedkina O.I., Ananieva V.V., Sakhno Y.I., Melnyk I.I., Vereshchak V.O., Osolodchenko T.P., Shishkina S.V., Tsygankov A.V., Chebanov V.A. "Azomethines based on ethyl 4-formyl-3,5-dimethyl-1*H*-pyrrole-2-carboxylate, its biological activity and reaction with thioglycolic acid", Chemistry of Heterocyclic Compounds, 2023, 59(6/7), 449-455.
  - Tsygankov A.V., Vereshchak V.O., Savluk T.O., Desenko S.M., Ananieva V.V., Buravov O.V., Sakhno Y.I., Shishkina S.V., Chebanov V.A. "Ugi bisamides based on pyrrolyl-β-chlorovinylaldehyde and their unusual transformations", Beilstein J. Org. Chem. 2024, 20, p. 1773–1784.

- Abstract of thesis:
  - Vereshchak V., Orlova A., Kovtun O. "Technology of the production of powder coffee drinks food additives which are used in the product creation process", Science looks ahead, Kharkiv, 2019.
  - Cherevichna N.I., Kaplya J.A., Vereshchak V.O. "Development of recommendations for mitigating the impact of air travel on passengers' health ", IX International Scientific Conference "Chemistry, Bio- and Nanotechnology, Ecology and Economy in the Food and Cosmetic Industries", Kharkiv, 2021 (in Ukrainian).
  - Mikhedkina O.I., Ananyeva V.V., Sakhno Y.I., Melnyk I.I., Vereshchak V.O., Tsygankov A.V., Chebanov V.A. "Azomethines based on ethyl 3,5-dimethyl-4-formyl-1H-pyrrole-2-carboxylate and their biological activity", X International Scientific Conference "Chemistry, Bio- and Nanotechnology, Ecology and Economy in the Food and Cosmetic Industries", Kharkiv, 2022.
  - Ananieva V.V., Vereshchak V.O., Larina A.I., Tsygankov A.V., Chebanov V.A. "Post-cyclization of Ugi bisamides

based on pyrrolyl-β-chlorovinylaldehyde", XXIII International Symposium "Advances in the Chemistry of Heteroorganic Compounds", Łódź, October 28, 2022.

- Vereshcak V.O., Pancheva A.M. "Green techniques for multicomponent Ugi reactions", XIV International Scientific and Methodological Conference, 149 International Scientific Conference of the European Association for Security (EAS) «Human safety in modern conditions», Kharkiv, Ukraine, 2022 (in Ukrainian).
- Larina A., Vereshchak V., Ananieva V., Tsygankov A., Chebanov V. "Ugi bisamides based on pyrrolyl-containing aldehydes", XIX Scientific Conference "Lviv Chemical Readings – 2023", Lviv, Ukraine, May 29-31, 2023.
- Vereshchak V., Savluk T., Ananieva V., Tsygankov A., Chebanov V. "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», Łódź, 2023.
- Vereshchak V., Ananieva V., Tsygankov A., Lipson V. "Green synthesis of diindolylmethane derivatives under MW activation", International conference on chemistry, chemical technology and ecology, dedicated to the 125th anniversary of KPI named after Igor Sikorsky, Kyiv, 2023.
- Vereshchak V., Ananieva V., Savluk T., Tsygankov A., Chebanov V. "An unexpected method of synthesis of derivatives 2-oxo-4-(1H-pyrrol-3-yl)but-3-enoic acid based on Ugi bisamides", XXIV International Symposium «Advances in the chemistry of heteroorganic compounds», Lodz, 2023.
- Vereshchak V., Ananieva V., Tsygankov A., Lipson V. "Application of microwave activation in the synthesis of diindolylmethane derivatives", XI International Scientific and Practical Internet Conference of Students and Young Scientists «Chemistry and Modern Technologies», Dnipro, 2023.
- Vereshchak V., Tsygankov A., Vakula V., Lipson V. "Hetaryl and aryl derivatives of 3,3'-diindolylmethane as promising components of antimicrobial drugs", VII International (XVII Ukrainian) scientific conference for students and young scientists «Current chemical problems», Vinnytsia, 2024.
- Vereshchak V., Savluk T., Ananieva V., Tsygankov A., Chebanov V. "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., Vereshchak V.O., Savluk T.O., Ananieva V.V., Shishkina S.V., Chebanov V.A. "Ugi bisamides based on pyrrolyl-β-chlorovinylaldehyde and their unusual transformations", XXVI Ukrainian conference on organic and bioorganic chemistry, Uzhgorod, 2024.