

CURRICULUM VITAE

Daria Miasnikova

PERSONAL:

Born: March 17, 1998; Kharkiv, Ukraine

Citizenship Ukraine

Affiliation: Institute of Functional Materials Chemistry State Scientific Institution
"Institute for Single Crystals" of National Academy of Sciences of Ukraine
(Nauky Ave. 60, Kharkiv, Ukraine, 61072)

Positions: Junior researcher

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EDUCATION AND ACADEMIC STATUSES:

Master's degree Chemistry, June 2021, Karazin Kharkiv National University

PROFESSIONAL CAREER:

September 2015 – **Student**, Karazin Kharkiv National University
June 2021

November 2021 – **Postgraduate Student**, Department of Organic and Bioorganic Chemistry,
present time Institute of Functional Materials Chemistry State Scientific Institution
"Institute for Single Crystals" of National Academy of Sciences of Ukraine

January 2021 – June 2021 **Engineer**, Department of Organic and Bioorganic Chemistry, Institute of
Functional Materials Chemistry State Scientific Institution "Institute for Single
Crystals" of National Academy of Sciences of Ukraine

July 2021 – **present time** **Junior Researcher**, Department of Organic and Bioorganic Chemistry,
Institute of Functional Materials Chemistry State Scientific Institution
"Institute for Single Crystals" of National Academy of Sciences of Ukraine

RESEARCH INTERESTS:

Supramolecular chemistry. Host-guest complexes. Theoretical and experimental aspects of complex formation. Chemistry of heterocyclic compounds for veterinary and agro-industrial purposes.

AWARDS, GRANTS AND SCHOLARSHIPS:

2022 – 2024 - Scholarship of the President of Ukraine

2023 – 2023 NRFU grant

MORE INFORMATION (publications, conferences)

Publications: 1 chapter of monographs, 3 articles, 2 patents.

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Examples of publications.

1. **Miasnikova D.Yu.**, Pinchukova N.A., Saraev, V.E., Musatov V.I., Vlasenko A.S., Shlyapkina Yu.V., Zbruyev O.I., Chebanov V.A. Chemical modification and quantification of 1- methylcyclopropene in supramolecular complex with cucurbit[6]uril by high performance liquid chromatography. *Chromatographia*, 2022, 85, 1009-1016. [doi:10.1007/s10337-022-04199-z](https://doi.org/10.1007/s10337-022-04199-z).
2. **D.Yu.Miasnikova**, N.A.Pinchukova, H.S.Vlasenko, I.O.Zinchenko, O.I.Zbruyev, Ye.V.Evtushenko, T.M.Gurina, O.S.Prokopyuk, V.A.Chebanov. The methodology for determination of 1-methylcyclopropene in gas-air mixtures after release from supramolecular complexes. *Funct. Mater.* 2023; 30 (1): 128-133. <https://doi.org/10.15407/fm30.01.128>.
3. Oleg A. Zhikol, **Daria Yu Miasnikova**, Olga V. Vashchenko, Natalia A. Pinchukova, Oleksandr I. Zbruyev, Svitlana V. Shishkina, Alexander Kyrychenko, Valentyn A. Chebanov, Host-Guest Complexation of (Pyridinetriazolylthio) Acetic Acid with Cucurbit[n]urils (n=6,7,8): Molecular Calculations and Thermogravimetric Analysis. *Journal of Molecular Structure* (2023), <https://doi.org/10.1016/j.molstruc.2023.136532>.

Conferences:

1. **Miasnikova D.**, Pinchukova N., Saraev V., Zbruyev O., Chebanov V. Chemical modification and quantification of 1- methylcyclopropene in supramolecular complex with cucurbit[6]uril // XXIII International Symposium “Advanced in the Chemistry of Heteroorganic Compounds”, 28 October 2022, Łódź, Poland, P-069.
2. **Д. Мяснікова**, Н. Пінчукова, О. Жикол, О. Кириченко, О. Збруєв, О.Ващенко, В. Чебанов. Вивчення комплексоутворення кукурбіт[6]урилу з похідними 1,2,4-триазол-3-ілтїооцтової кислоти та їх солями // XIX НАУКОВА КОНФЕРЕНЦІЯ “ЛЬВІВСЬКІ ХІМІЧНІ ЧИТАННЯ – 2023”. 29–31 травня 2023, Львів, Україна. – с. 34 (У21), (oral presentation).
3. **D. Miasnikova**, O. Zhikol, A. Kyrychenko, N. Pinchukova, O. Vashchenko, O. Zbruyev, V. Chebanov. Molecular calculations of host-guest complexation of (pyridinyltriazolylthio) acetic acid with cucurbit[n]urils (n=6,7,8) // International Scientific Internet Conference MOLECULAR ENGINEERING AND COMPUTATIONAL MODELLING FOR NANO- AND BIOTECHNOLOGY: FROM NANO-ELECTRONICS TO BIOPOLYMERS dedicated to the 80th anniversary of Professor Boris Minaev, September 27–28, 2023, Cherkasy, Ukraine.
4. **Мяснікова Д.Ю.**, Кириченко О.В., Пінчукова Н.О., Ващенко О.В., Збруєв О.І., Чебанов В.А. Вивчення комплексоутворення кукурбіт[n]урилів (n=6,7,8) з 5-піридиніл-1,2,4- триазол-3-ілтїооцтовою кислотою. XIV Всеукраїнська конференція молодих вчених, студентів та аспірантів з актуальних питань хімії. 10-12 жовтня 2023, Харків, Україна.- с.38, (oral presentations).