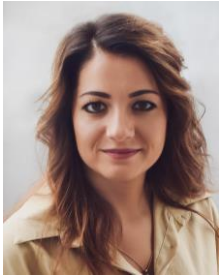
CURRICULUM VITAE



Yuliia Taranets

Affiliation and official address:
Research Scientist, Department of Nonlinear Crystals, Institute for Single Crystals NAS of Ukraine, 61072, Ukraine, Kharkiv, Nauky Ave. 60.
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Education (*degrees, dates, universities)*

2015 – S. Sc. V.N. Karazin Kharkiv National University, Kharkiv, Ukraine (Chemistry)
2019 – Ph. D Institute for Single Crystals NASU, Kharkiv, Ukraine (Science of Materials)

Career/Employment (*employers, positions and dates)*

2015 – 2018	PhD Student	Institute for Single Crystals NASU, Kharkiv, Ukraine
2015 – 2018	Engineer	Institute for Single Crystals NASU, Kharkiv, Ukraine
2019 – 2020	Junior Research Scientist	Institute for Single Crystals NASU, Kharkiv, Ukraine
2020 – date	Research Scientist	Institute for Single Crystals NASU, Kharkiv, Ukraine

Main field of activity and current research interest

Crystal growth; Biomimetics; Investigation of crystallization processes in biological environments; Effect of organic growth modifier molecules on the kinetics of nucleation of pathogenic organomineral aggregates.

Honors, Awards, Fellowships, Membership of Professional Societies

School Grants for Travel and/or Accommodation for participants attending only Second European School on Crystal Growth (2018), Award of the President of Ukraine for Young Scientists (2020).

Publications and patents

8 original articles, 1 patent;
Scopus *h*-index:**2** (Web of Science Researcher ID: AAI-6713-2021);
https://publons.com/researcher/4314287/yuliia-taranets//publications/;
https://www.scopus.com/authid/detail.uri?authorId=57192663777;
https://orcid.org/0000-0003-3935-7181/

Selected recent publications:

(1) **Y.V. Taranets**, O.N. Bezkrovnaya, I.M. Pritula, *Effect of amino acids and B-group vitamins on nucleation of calcium oxalate monohydrate*, Journal of Crystal Growth, 2020, V. 531, P.125368, DOI:10.1016/j.jcrysgro.2019.125368, ***Q2.***

(2) T.A. Cheipesh, D.V. Kharchenko, **Y.V. Taranets**, R.V. Rodik, N.O. Mchedlov-Petrossyan, M.M. Poberezhnyk, V.I. Kalchenko, *Reaction rates in aqueous solutions of cationic colloidal surfactants and calixarenes: Acceleration and resolution of two steps of fluorescein diesters hydrolysis*, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, V. 606, P.125479, DOI:10.1016/j.colsurfa.2020.125479, ***Q1***.

(3) **Y.V. Taranets**, I.M. Pritula, O.N. Bezkrovnaya, P.V. Mateychenko, D.S. Sofronov, A.N. Puzan, *Effect of Charge State of L-Aspartic and L-Arginine Amino Acids on Morphology of Calcium Oxalate Monohydrate*, Crystal Research & Technology, 2018, V. 53, Issue 4, P.1700133, DOI:10.1002/crat.201700133, ***Q2***.

(4) **Y.V. Taranets**, O.N. Bezkrovnaya, I.M. Pritula, P.V. Mateychenko, *L-threonine amino acid as a promoter of the growth of pathogenic calcium oxalate monohydrate crystals*, Journal of

Nanomaterials & Molecular Nanotechnology, 2017, V. 6, Issue 5, P.1000229, DOI:10.4172/2324-8777.1000229.

(5) **Y.V. Taranets**, O.N. Bezkrovnaya, I.M. Pritula, *Method for the qualitative determination of calcium oxalate monohydrate crystals in urine*, patent № 124338 on 10.04.2018.