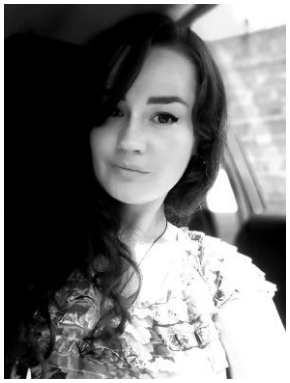
CURRICULUM VITAE



Oksana Matvienko (nee Tugai)

Affiliation and official address:
Engineer of Department of Crystalline Materials of Complex Compounds, Institute for Single Crystals of NAS of Ukraine, Ukraine, 61072, Kharkiv, 60 Nauky Ave.
E-mail: oksana.matvienko.o@gmail.com

Education:

2008 – B. Sc.	V.N. Karazin Kharkiv National University (Chemistry)
2009 – M. Sc.	V.N. Karazin Kharkiv National University (Chemistry)

Career/Employment:

2009-2013	Engineer	Institute for Single Crystals NASU, Kharkiv, Ukraine
2010-2013	PhD Student	Institute for Single Crystals NASU, Kharkiv, Ukraine
2013 - data	Engineer	Institute for Single Crystals NASU, Kharkiv, Ukraine

Main field of activity and current research interest:
Materials Sciences, Morphology, Optical and Electroluminescent Properties Polymeric Organic-Inorganic Nanocomposite with Semiconductor Nanocrystals.

Honors, Awards, Fellowships, Membership of Professional Societies:
Grant of the National Academy of Sciences of Ukraine for Young Scientists (2012).

Publications and patents:
1 Chapter in Book, 6 Original Articles, 1 Patent. Scopus *h*-index: **3**.
https://www.scopus.com/authid/detail.uri?authorId=54961765600
https://www.researchgate.net/profile/Oksana-Matvienko

Selected recent publications:

1. **O.O. Matvienko**, M.F. Prodanov, N.Yu. Gorobets, V.V. Vashchenko, O.M. Vovk, N.V. Babayevskaya, Yu.N. Savin. Impact of dendritic interface modifiers on phase behavior of polyvinylcarbazol-CdSe/ZnS nanocomposite films // Colloid and Polymer Science 292 (2014) 707-713. **2019IF: 1.536**. DOI:10.1007/s00396-013-3114-7. **Q2**.
2. **O.O. Matvienko**, Yu.N. Savin, A.S. Kryzhanovska, O.M. Vovk, M.V. Dobrotvorska, N.V. Pogorelova, V.V. Vashchenko. Dispersion and aggregation of quantum dots in polymer-inorganic hybrid films // Thin Solid Films 537 (2013) 226-230. **2019IF: 2.030**. https://doi.org/10.1016/j.tsf.2013.03.046. **Q2**.
3. N.V. Babayevskaya, Yu.N. Savin, **O.O. Matvienko**, V.V. Varchenko, A.P. Kryshtal, M.F. Prodanov, Yu.A. Gurkalenko, V.V. Vashchenko, V.P. Seminozhenko. Influence of ZnO nanocrystals surface modification on structure and photovoltaic properties of MEH-PPV/nc-ZnO nanocomposite films // Functional Materials 20 (2013) 438–444. http://dx.doi.org/10.15407/fm20.04.438.
4. **O.O. Matvienko**, Yu.N. Savin, O.S. Kryzhanovska. Self-organising of a nanosystem based on the polyvinylcarbazol (PVC) and semiconductor CdSe/ZnS nanocrystals in double-layer structure in the course phase separation at a spin-coating // Metallofizika I Noveishie Tekhnologii 33 (2011) 65–74. https://doi.org/10.1021/acsnano.9b03302. **Q3**.