

CURRICULUM VITAE

Personal information:

Name Irina V. Kuznetsova
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E-mail: irinakuznetsova1112@gmail.com
Place and Date of Birth 11/12/1991, Ufa, Russian Federation
Nationality Russian
Family status Single



Education:

06/2011-06/2017 Lomonosov Moscow State University, Department of Chemistry,
Medicinal Chemistry Division, Laboratory of Medicinal Chemistry and
Advanced Organic Synthesis, Moscow, Russian Federation
Specialist diploma (MSc-equivalent)
Graduation paper: *New ligands of the colchicine domain of the tubulin
protein of the tubulin protein in order to reveal patterns of structure-
activity in this series of compounds.*

09/2010-06/2011 Ufa State Aviation Technical University (USATU).

09/1999-05/2010 High school 105, Ufa

Work experience:

01/2017- 07/2017 Mars Inc., department of R&D. Project Manager "Optimization of the
process of obtaining a dry mixture for the preparation of animal feed"

07/2017-08/2017 Teacher at the 'Sirius' Educational Centre for gifted children

09/2015-06/2017 Evening school at the Moscow State University for applicants
Chemistry Teacher conducting seminars for a group of entrants

Research techniques:

- organic synthesis
- NMR
- Single-crystal X-ray analysis
- UV
- IR-spectroscopy
- luminescence

- elemental analysis
- Gas chromatography
- Computer modeling: docking

Scientific interests:

- medicine chemistry
- organic synthesis
- drug design

Languages:

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- Russian (native)
- English (Upper intermediate)
- German (beginner)

Publications and conferences:

- Zefirov N.A., Marius H., **Kuznetsova I.V.**, Chernyshov N.A., Grishin Y.K., Maloshitskaya O.A., Kuznetsov S.A., Zefirova O.N. HOMOLOGOUS SERIES OF NOVEL ADAMANTANE–COLCHICINE CONJUGATES: SYNTHESIS AND CYTOTOXIC EFFECT ON HUMAN CANCER CELLS. *Mendeleev Commun.*, V 28, pp 308–310, 2018.
- Bezzubov S. I., Bilyalova A.A., **Kuznetsova I.V.**, Pavlov K.G., Kiselev U.M., Dolzhenko V.D. SYNTHESIS, STRUCTURE AND OPTICAL PROPERTIES OF THE Iridium (III) COMPLEX WITH 1-BENZYL-2-PENYLBENZIMIDAZOLE AND 4,4'-DICARBOXY-2,2'BIPIRIDINE. *Russian Journal of Inorganic Chemistry*, V 2, pp 1087-1091, 2017.
- **Kuznetsova I.V.**, Shipunov G.A., Mamaev A.V., Nurieva E.V., Zefirova O.N. INTERPRETATION OF "STRUCTURE-CYTOTOXICITY" RELATIONSHIPS FOR TUBULOPASIN ANALOGUES BY COMPUTER MODELING METHOD. *Pharmacy, Special issue*, pp. 106-108, 2016.
- Zefirov N.A., **Kuznetsova I.V.**, Mamaev A.V., Nurieva E.V., Zefirova O.N. SYNTHESIS OF ANALOGUES OF 2-METHOXYESTRADIOL ON THE BASIS OF DERIVATIVES OF BICYCLE [3.3.1] NONAN, ANNELATED WITH A GABKOL. I Russian Youth SchoolConference "Advances in Synthesis and Complexation, 2017.
- Zefirov N.A., **Kuznetsova I.V.**, Zefirova O.N. SYNTHESIS OF NEW ANALOGUES OF TUBULOKLASTINA AS POTENTIAL ANTITUMOR AGENTS WITH "DOUBLE" ACTIVITY. "Lomosov 2016" International conference, Moscow, 2016.
- Zefirov N.A., **Kuznetsova I.V.**, Alexeev A.A. Shipunov G.A., Piculina U.A., Nurieva E.V., Zefirova O.N. ANALOGUES N-(7-ADAMANT-2-ILYOXY-7-OXOOCTANOYL) - NDESACETYL COLCHICINE (TUBULOUSTINE) WITH VARIATIONS OF THE LINKER AND FRAMED GRADING. *XIII All-Russian scientific-practical conference with international participation "Domestic antitumor drugs"*, 2016.
- Zefirov N.A., Glazkova Y.S., **Kuznetsova I.V.**, Nurieva E.V., Zefirova O.N. Molecular design and an attempt to synthesize a conjugate of 2-methoxyestradiol with adamantine. *Moscow University Chemistry Bulletin*, V 70, pp 69-73, 2015.