

CURRICULUM VITAE

Name **Denis G. Shklyaruck**

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Place and Date of Birth 10 August, 1984 Molodechno, Belarus

Marital status: Married

Nationality Republic of Belarus (Weissrusland)



Education:

2000-2002 Conqueror and prizewinner of the chemistry Olympiads for pupils.
2002 – 2007 Student of Belarusian State University, Department of Chemistry.
2007 Prizewinner (9th place) of the VI All-Russian Olympiad in organic chemistry for the students, PhD students, and young scientists.
2007 Diploma in Organic Chemistry (*with honors*), BS/MS Diploma work: *A cyclopropanol approach to the asymmetric synthesis of unit A of cryptophycins*. Supervisor: O.G. Kulinkovich.
2007-2008 MSc Laboratory of Elementoorganic Synthesis, Department of Chemistry, BSU. MS thesis: *A cyclopropanol approach to the asymmetric synthesis of acetate, and propionate polyketide building blocks from L-(-)-malic acid*. Supervisor: O.G. Kulinkovich.
2008- 2011 PhD student of Belarusian State University, Department of Chemistry.
2011-2013 Assistant of Organic Chemistry Division, BSU, Minsk, Belarus.
2013-present time Lecturer at Organic Chemistry Division, BSU, Minsk, Belarus. Course „*Transition metal complexes in organic synthesis*” (since 2012).

Publications:

1. Denis Shklyaruck, Evgenii Matiushenkov. Stereoselective synthesis of (3S,5S,6S)-tetrahydro-6-isopropyl-3,5-dimethylpyran-2-one; a C5-epimer of a component of a

natural sex pheromone of the wasp *Macrocentrus grandii*, the larval parasitoid of the European corn borer *Ostrinia nubilalis*, *Tetrahedron: Asymm.* Volume 22, Issue 13, **2011**, Pages 1448–1454.

2. Denis G. Shklyaruck. A cyclopropanol-based approach to synthesis of Unit A of the cryptophycins *Tetrahedron: Asymm.* Volume 25, Issue 8, **2014**, Pages 644–649.
3. Denis G. Shklyaruck*, Artsiom N. Fedarkevich, Yurii Yu. Kozyrkov. The First Synthesis of Spirocyclic Sulfates from Tertiary Cyclopropanols and Their Reaction with Normant Homocuprates. *Synlett.* Volume 25, Issue 13, **2014**, Pages 1855–1858.
4. D. G. Shklyaruck. New Synthesis of *syn*-Stereodiad Building Block for Polyketides. Formal Synthesis of Arenamides A and C. *Russian Journal of Organic Chemistry*, Volume 51, Issue 4, **2015**, Pages 582–590.

Languages:

- ▶ Russian (mother), Belarusian (mother),
- ▶ Deutsch (good),
- ▶ English (basic).

Research techniques:

- ▶ Structure, stereochemistry and purity determination techniques.
- ▶ Reaction techniques.
- ▶ Isolation techniques.
- ▶ Spectroscopy and spectrometry: NMR (advanced user, operator), FT-IR, MS, UV.
- ▶ Chromatography: GC, GC-MS, TLS, IC, Column Chromatography.

Scientific interests:

- ▶ Small ring chemistry.
- ▶ Organometallic chemistry.
- ▶ New methods in synthesis.
- ▶ Asymmetric organocatalysis.
- ▶ Synthesis of natural products.
- ▶ Determination of molecular structure using NMR technique.

Journals that I read regular:

- ▶ Journal of Organic Chemistry
- ▶ Organic Letters
- ▶ Chemical Reviews
- ▶ Journal of the American Chemical Society
- ▶ Tetrahedron
- ▶ Tetrahedron: Letters
- ▶ Tetrahedron: Asymmetry
- ▶ Synthesis
- ▶ Synlett
- ▶ Angewandte Chemie International Edition
- ▶ European Journal of Organic Chemistry

Computer skills:

- ▶ MS Windows 2000/NT/XP/7, MS Office (expert user).
- ▶ ChemBioOffice 14.
- ▶ MestReNova.
- ▶ Topspin 2.1.
- ▶ ACDLabs.