

Olga Demina

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

- 2005 – 2010** Master's degree, specialty "Applied geochemistry, petrology, mineralogy", specialization - gemology. Qualification: mining engineer. The diploma with honors (cum laude). Russian State Geological Prospecting University named after Sergo Ordzhonikidze
Graduate work: The main varieties of cultured pearls and methods for their diagnosis. Scientific supervisor Graduate Gemologist Fedorov A.
- 2021-2026** Phd study at Nature Research Centre, Laboratory of Bedrock Geology
Research theme: Minerals and rock alterations in the Precambrian Varena Iron Ore deposit related to the 1.5 Ga magmatism
Scientific Supervisor: Dr. Gražina Skridlaitė

PROFESSIONAL EXPERIENCE

- 2018, 2021 – now** **Gemmologist (Gemstone expert)**
Lithuanian Assay Office
- 2013 – 2015** **Co-owner**
Small jewelry production company
- 2010 – 2013** **Quality Controller**
Jewelry company "Sunlight"
- 2007-2008** **Laboratory Assistant**
Gemology Institute

RESEARCH INTERESTS

Study of hydrothermal and other alterations in the VIOD rocks using microscopy (polarizing and electron scanning) and geochemistry methods.
Isotopic investigations.
Study of rock formation and mineralization, rocks were intruded by ca. 1.5 Ga granitoids followed by hydrothermal and other processes and leading to ore a formation and mineralization.

PUBLICATIONS

Demina. O. 2022. Modern methods of gemstone modification. *Baltic Jewellery News*.

INTERNSHIP AND TRAINING

- 2018 • Further education: emerald, rubies and sapphires.
- 2018 • Optical mineralogy.
- 2018 • Opal course.
- 2018 • Mineralogy course "Myths and realities of stone".
- 2018 • Gems: diagnostics and expertise.
- 2019 • Computer technologies. Information systems and software testing.
- 2021 • Laboratory-grown diamonds: gemology and the market.
- 2022 • Laboratory quality management requirements according to the LST EN ISO/IEC 17025:2018 standard.
- 2022 • Gemological Institute of America: Diamond Essentials course.
- 2022 • Gemological Institute of America: Colored Stone Essentials course.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International conferences:

International Baltic Jewelry show „Amber Trip“ March 2022 <https://ambertrip.com/>