

Ol'ga Malkin (Malkina), DrSc.

*Institute of Inorganic Chemistry, Slovak Academy of Sciences
Dubravska cesta 9, SK-84235 Bratislava, Slovak Republic*

Phone: (421-2) 5941-0422 Fax: (421-2) 5941-0444 e-mail: olga.malkin@savba.sk

CURRICULUM VITAE

Name: Olga Malkin
Place of birth: Russia (USSR), Chelyabinsk region
Citizenship: Slovak
Marital state: married to Dr. V. Malkin DrSc., daughters: Irina and Elena

EDUCATION

DrSc.: "Interpretation of NMR and EPR parameters: from numbers to insight", Technical University of Bratislava, Bratislava, Slovak Republic, Chemical Physics, Doctor of Sciences, 2006.
PhD.: "Calculation of NMR and EPR parameters using Density Functional Theory, Institute of Inorganic Chemistry, SAS, Bratislava, 1998.
Master degree: Novosibirsk State University, Novosibirsk, USSR
Mathematics and Applied Mathematics, Master of Science, 1978.

EMPLOYMENT INFORMATION

05/2006 to present	Leading Research Scientist, Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia
04/2002 to 04/2006	Senior Scientist, Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia
09/1996 to 03/2002	System Administrator, vice-director, Computing Center, SAS, Bratislava, Slovakia
01/1995 to 08/1996	System Engineer, Computing Center of the Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia
05/1992 to 12/1994	Research-Associate University of Montreal, Montreal, Canada
08/1982 to 11/1990	Engineer-Mathematician, Novosibirsk Production Association of Computing Machinery and Informatics, Novosibirsk, USSR
08/1978 to 01/1982	Special Student, Engineer, Computing Center of the Siberian Branch of the USSR Academy of Sciences, Novosibirsk, USSR

PUBLICATION ACTIVITY:

Publications: 93 scientific publications in international CC journals and 3 chapters in books, h-index (WOS) = 46, the average number of citations per item 75.

MAIN RESEARCH AND DISCIPLINE-SPECIFIC ACHIEVMENTS:

1. Together with her husband and the closest coworker Vladimir Malkin they started the era of using Density Functional Theory for accurate theoretical prediction of NMR and EPR parameters as a useful tool for experimentalists working in different areas of chemistry and biochemistry all over the world.

2. They significantly contributed to the development of relativistic DFT methods for the calculation of NMR and EPR parameters for heavy-element systems. Many new developments in this field were realized in their group for the first time in the world.
3. Olga Malkin is the author of original quantum-chemical methods for analysis and interpretation of NMR and EPR parameters including visualization of pathways of indirect NMR spin-spin couplings.