IDENTITY/INSTITUTION

Name, first name: **FEDIN VLADIMIR**
Present profession: **Director**
Institution: **Nikolaev Institute of Inorganic Chemistry, SB RAS, Novosibirsk, Russia**

SCIENTIFIC DEGREES

2011 Correspondent member of the Russia Academy of Sciences

1994 Habilitation (Doctor of Chemical Sciences**),** Nikolaev Institute of Inorganic Chemistry, title – "Synthesis, structure and chemical properties of the thio- and seleno complexes molybdenum and tungsten".

1980 PhD (Candidate of Chemical Sciences)**,** Lomonosov Moscow State University, title - "Biscyclopentadienyl complexes of niobium" (Prof. A.N. Nesmeyanov)

CAREER PATHWAYS

Since 2005: Director of Nikolaev Institute of Inorganic Chemistry, SB RAS, Novosibirsk, Russia

1981–2005: Junior Research Associate, Research Associate, Senior Research Associate, Leading Scientist, Head of Laboratory of Cluster and Supramolecular Compounds, Nikolaev Institute of Inorganic Chemistry, SB RAS, Novosibirsk, Russia

INTERNATIONAL FELLOSHIPS

September 1992 – October 1993, January 1997 – April 1997 – AvH Fellowship. Department of Chemistry, University of Bielefeld, Germany (Prof. Dr. A. Müller)

June 1994 – August 1994 – Royal Society Kapitza Fellowship. Department of Chemistry, University of Newcastle, UK (Prof. A. G. Sykes)

October 1994 – July 1995 – JSPS Fellowship. Department of Chemistry, University of Tokyo (Prof. T. Saito)

February 1998 – RSC Journals Grant. Department of Chemistry, University of Newcastle, UK (Prof. A. G. Sykes)

June 1998 – November 1998 – Research Scientist. Department of Chemistry, University of Bielefeld, Germany (Prof. Dr. A. Müller)

June 1999 – Visiting Professor. University of Versailles, France (Prof. F. Secheresse)

September 1999 – February 2000 – Research Scientist. ETH Zentrum, Zürich (Prof. Dr. R. Prins)

June 2001 – August 2001 – Visiting Professor, University of La Laguna, Spain (Prof. A. Mederos).

July 2003 – August 2003 – Invited Professor. University of Versailles, France (Prof. F. Secheresse).

June 2004 – August 2004 – Guest Professor, University of Bielefeld (Prof. Dr. A. Müller) and University of Karlsruhe (Prof. Dr. D. Fenske).

January 2006 - March 2006 – Invited Professor, JSPS Invitation Programme, University of Tokyo (Prof. H. Nishihara).

August 2006 - Guest Professor, University of Karlsruhe (Prof. Dr. D. Fenske).

June 2011 – September 2011 – Guest Professor, University of Bielefeld (Prof. Dr. A. Müller).

June 2015 - August 2016 – Guest Professor, University of Regensburg (Prof. Dr. M. Scheer).

SCIENTIFIC PRODUCTION

470 publications in peer-reviewed journals, 8 patents. H-index: 42 (Scopus)
Selected publications for the last years:

Adonin S.A., Frolova L.A., Sokolov M.N., Shilov G.V., Korchagin D.V., Fedin V.P., Aldoshin S.M., Stevenson K.J., Troshin P.A. “Antimony (V) Complex Halides: Lead-Free Perovskite-Like Materials for Hybrid Solar Cells” // *Adv. Energy Mat*. **2018**, 8, 1701140.

Bolotov V.A., Kovalenko K.A., Samsonenko D.G., Han X., Zhang X., Smith G.L., McCormick L.J., Teat S.J., Yang S., Lennox M.J., Henley A., Besley E., Fedin V.P., Dybtsev D.N., Schröder M. “Enhancement of CO2 Uptake and Selectivity in a Metal-Organic Framework by the Incorporation of Thiophene Functionality” // *Inorg. Chem*. **2018**, 57, 5074-5082.

Litvinova Y.M., Gayfulin Y.M., Kovalenko K.A., Samsonenko D.G., Leusen Y., Korolkov I.V., Fedin V.P., Mironov Y.V. «Multifunctional Metal–Organic Frameworks Based on Redox-Active Rhenium Octahedral Clusters» // *Inorg. Chem*. **2018**, 57, 2072-2084.

Sapchenko S.A., Demakov P.A., Samsonenko D.G., Dybtsev D.N., Schröder M., Fedin V.P. A Cryptand Metal–Organic Framework as a Platform for the Selective Uptake and Detection of Group I Metal Cations // *Chem. Eur. J.*, **2017**, *23*, 2286-2289.

Sapianik A.A., Zorina-Tikhonova E.N., Kiskin M.A., Samsonenko D.G., Kovalenko K.A., Sidorov A.A., Eremenko I.L., Dybtsev D.N., Blake A.J., Argent S.P., Schröder M., Fedin V.P. Rational Synthesis and Investigation of Porous Metal-Organic Framework Materials from a Preorganized Heterometallic Carboxylate Building Block. *Inorg. Chem*., **2017**, *56*, 1599-1608.

Adonin S. A.; Gorokh I. D.; Samsonenko D. G.; Sokolov M. N.; Fedin V. P. Bi(III) polybromides: a new chapter in coordination chemistry of bismuth // *Chem. Commun***. 2016**, 5061-5063.

Sapchenko S. A., Dybtsev D. N.,. Samsonenko D. G, Belosludov R. V.,. Belosludov V. R., Kawazoe Y., Schröder M. and Fedin V. P. Selective gas adsorption in microporous metal–organic frameworks incorporating urotropine basic sites: an experimental and theoretical study // *Chem. Commun.,* **2015**, 13918—13921.

Awards

2015 – Chugaev Prize of the Russian Academy of Sciences

2016 – Award from President of the Russian Federation (Leading Scientific School), LSS – 7718.2016.3

2012 – Award from President of the Russian Federation (Leading Scientific School), LSS – 1729.2012.3