

Dr. Kseniya V. Zherikova is a senior researcher at the Nikolaev Institute of Inorganic Chemistry of the Siberian Branch of the Russian Academy of Sciences (NIIC SB RAS) since 2012.

Dr. Zherikova graduated in Chemistry at the Novosibirsk State University (Russia) in 2003 and received her PhD in Inorganic and Physical Chemistry from NIIC SB RAS in 2007 on the topic “The volatile compounds of hafnium(IV) and zirconium(IV): synthesis, structure, properties”.

The research activities of Dr. Zherikova are mainly focused on volatile coordination compounds of metals with organic ligands being the precursors for obtaining metallic, oxide and composite film materials by metal-organic chemical vapor deposition (MOCVD). The main scientific skills are synthesis and physico-chemical studies of i) their structure features by X-ray analysis, ii) condensed and gas phases thermal behavior by mass spectrometry, TG, DSC, and iii) vapor pressures and sublimation/vaporization thermodynamics in order to reveal structure-property relationships.

Dr. Zherikova is the author of 77 publications in several peer-reviewed international journals and of numerous contributions to national and international conferences including invited lectures.

Miscellaneous

Since 2017 Member of the Scientific Committee of the Central and Eastern European Conferences on Thermal Analysis and Calorimetry (CEEC-TAC)

Since 2008 Member of Mendeleev Russian Chemical Society, Moscow, Russia.

2007-2008 Member of Electrochemical Society (ECS), Pennington, New Jersey, US.

2017 Scientific Secretary of the XXI International Conference on Chemical Thermodynamics in Russia (RCCT-2017)

2008-2009 Fellowship of Russian Science Support Foundation program «Outstanding Scientists. PhD and Dr. Sci. of RAS »

2005 Scholarship named after A.V. Nikolaev for excellent success in post-graduated education (NIIC SB RAS)

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