

VIKTOR V. ZHDANKIN, Professor

Department of Chemistry and Biochemistry, University of Minnesota Duluth, Duluth, MN 55812

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EDUCATION

Doctor of Chemical Sciences: 1987, Department of Chemistry, Moscow State University, Moscow, Russia
Ph.D.: 1981, Department of Chemistry, Moscow State University, Moscow, Russia;
Advisor: Professor Nikolai S. Zefirov
BS/MS: 1978, Department of Chemistry, Moscow State University, Moscow, Russia

ACADEMIC EXPERIENCE

Professor, Department of Chemistry, University of Minnesota Duluth, July 1999 – present
Department Head, Department of Chemistry, University of Minnesota Duluth, August 2011 – June 2012
Associate Department Head, Department of Chemistry, University of Minnesota Duluth, May 2006 – September 2008 and June 2010 – July 2011
Director of Graduate Studies in Chemistry (Chem–Duluth program), University of Minnesota, July 2002 – May 2006 and September 2008 – June 2010
Associate Professor, Department of Chemistry, University of Minnesota Duluth, July 1996 – June 1999
Assistant Professor, Department of Chemistry, University of Minnesota Duluth, September 1993 - June 1996
Senior Research Associate, Department of Chemistry, University of Utah (with Professor Peter J. Stang), January 1990 – August 1993.

RESEARCH INTERESTS

Exploratory Synthetic Organic Chemistry of Hypervalent Main-Group Elements: preparation, structural investigation and synthetic application of new organic derivatives of polyvalent iodine, xenon, phosphorus and other elements

Synthesis of Heterocycles

Synthetic Organic Chemistry of Fluorine: preparation of perfluoroalkylated compounds; organic reactions of powerful fluorinating reagents (XeF_2 , CsOSO_2OF , etc.); synthetic application of fluoroorganic compounds.

ACADEMIC HONORS AND AWARDS

National Science Foundation Creativity Extension Award, 2020

National Award of the American Chemical Society for Creative Research & Applications of Iodine Chemistry, 2011

Markovnikov Medal for outstanding achievements in organic chemistry, Moscow State University, Russia, 2019

Science Lectureship Award, Chiba University, Japan, 2015

Sabra S. and Dennis L. Anderson Scholar/Teacher Award, 2009

Jean G. Blehart Distinguished Teaching Award, 2006

University of Minnesota Duluth Chancellor's Award for Distinguished Research, 2004

Camille and Henry Dreyfus Scholar, 1998-2000

SIGNIFICANT PROFESSIONAL SERVICE AND ACTIVITIES

Chair of Editorial Board of ARKIVOC, Online Journal of Organic Chemistry (<http://www.arkat-usa.org/>), March 2020 – present.

Scientific Editor; ARKIVOC, Online Journal of Organic Chemistry (<http://www.arkat-usa.org/>), April 2003 – present.

Member of Scientific Advisory Board; World Iodine Association (<https://www.worldiodineassociation.com/wia-structure/>), July 2019 – present

Associate Editor; Resource-Efficient Technologies (Elsevier), January 2015 – December 2017

Member of Editorial Board; Mendeleev Communications (Royal Chemical Society-Elsevier), March 1998 – present

Member of National Science Foundation Panels on Synthesis 2008-2011.

Member of Organizing Committees of 10 international conferences

GRADUATE EDUCATION

- Ph.D. Thesis Advisor or Co-Advisor to 14 students
- M.S. Thesis Advisor to 45 students
- served as a member of 9 Ph.D. examining committees at U. of Minnesota, U. of Waterloo (Canada), Indian Institute of Technology (Kanpur and Kurukshetra, India), and Stockholm University (Sweden)

POSTDOCTORAL RESEARCH ASSOCIATES AND VISITING PROFESSORS

Total: 12

MAJOR EXTERNAL GRANTS

Total funding: \$5,080,050 from NSF, NHI, ACS PRF, Research Corporation, Dreyfus Foundation

RESEARCH SEMINARS, PLENARY AND INVITED LECTURES

Total: 116 major lectures in USA, Canada, China, Japan, Russia, UK, Turkey, Spain, Belgium, Germany, Switzerland, Mexico, Sweden, Czech Republic, India, France, Estonia, Georgia, Azerbaijan.

PUBLICATIONS (full list at: <https://www.d.umn.edu/~vzhdanki/publications.html>)

Total: 5 books, 2 edited books, 15 patents, 113 published abstracts or proceedings, 303 refereed research papers in major journals

(GOOGLE SCHOLAR: Citations 22842, h-index 58 on June 7, 2021)