

**Present position:**

Professor of Geophysics  
IGN, University of Copenhagen, Denmark  
Phone: +45-3532 2473; E-mail: irina@ign.ku.dk; iartemieva@gmail.com

**Education:**

2007 Habilitation (dr. scient.), University of Copenhagen, Denmark  
1987 PhD in Geophysics; Inst. Physics of the Earth, Moscow, USSR  
1984 BS & MS in Physics, Physics Department, M.V. Lomonosov Moscow State University, Moscow

**Employment:**

Since 2005 Associate Professor, then Professor, IGG/IGN, University of Copenhagen, Denmark  
2003-2004 Senior Researcher, U.S. Geological Survey, Menlo Park, CA, USA;  
2002 Ass. Research Professor, EOST, l'Universite Strasbourg, France;  
1999-2001 Associate Research Professor, Uppsala University, Sweden;  
1997-1999 Leading Research Scientist, Inst. of Physics of the Earth (IPE), Russian Academy of Sciences, Moscow;  
1987-1997 Junior, then Senior Research Scientist, IPE, USSR Academy of Sciences, Moscow

**Professional long-term visits:**

1995-2002 Visiting researcher, U.S. Geological Survey, Menlo Park, CA, USA (over 8 years the total exceeds 3 years);  
1998 Visiting researcher, (1) Institut de Physique du Globe, Paris; (2) University of Quebec at Montreal;  
1993 Visiting researcher, Technical University, Clausthal-Zellerfeld, Germany;

**Honors and Professional recognitions:**

2018 International Eurasian Academy of Sciences (elected Member)  
2016 AcademiaNet of Outstanding Female Academics (by nomination of the Danish Research Council)  
2014 Royal Danish Academy of Science and Letters (elected Member), [www.royalacademy.dk](http://www.royalacademy.dk)  
2012 Geological Society of America (elected GSA Fellow), [www.geosociety.org](http://www.geosociety.org)  
2007 European Academy of Sciences "Academia Europaea" (elected Member), [www.ae-info.org](http://www.ae-info.org)  
2000 Royal Astronomical Society, London (RAS Fellow), <https://www.ras.org.uk/>  
2013-2017 European Geosciences Union, elected President of Geodynamics Division (re-elected 2015)  
2013 European Geosciences Union, Life-Time Member, [www.egu.eu](http://www.egu.eu)

**International professional advisory boards and councils:**

2019-2014 International Lithosphere Programme, Task Force Leader  
2018- International Science Council (former ICSU), Denmark, Executive Committee Member  
2017- Arthur Holmes Medal Committee Member, European Geosciences Union  
2016- Chairperson, Danish National Committee for Lithosphere Research  
2013-2017 Council Committee member, European Geosciences Union (ca. 15,000 participants)  
2013-2017 Programme Committee, European Geosciences Union  
2013-2017 President Geodynamics, European Geosciences Union  
Since 2010 Official nominator for the Japan Prize  
2008-2017 EU "European Plate Observing System" (EPOS), Danish co-representative  
1999-2001 European Science Foundation program EUROPROBE (ca. 1500 participants), Science Coordinator

**International professional panels of national funding agencies:**

2108- Portuguese National Foundation for Science and Technology (FCT), Panel member in Geosciences  
2018 Evaluation Panel member for 7 Research Institutions, FCT, Portugal  
2018 Chair of 2 re-accreditation Panels for 2 Faculties, Zagreb University, Croatia  
2013-2015 l'Institut Universitaire de France (IUF), France, Assessment committee member in Sciences; Chairperson of Assessment Committees for Young (<45 y.) Professors in Humanities and Sciences (2014);  
2012-2015 Portuguese National Foundation for Science and Technology (FCT), Panel member in Geosciences  
2006-2011 Swedish National Research Council (VR), Vice-chairperson (2007-2009), Panel member in Geosciences  
2002-2003 Irish National Basic Research Council, Ireland, Panel member in Earth Sciences

**International professional evaluations:**

2017 Crafoord Prize (Nobel Prize equivalent in geosciences), Royal Swedish Academy of Sciences  
2017- Polish Academy of Sciences; National Science Foundation of the Netherlands  
Since 2013 Deutsche Forschungsgemeinschaft (DFG), Germany  
2012 The Knut and Alice Wallenberg Foundation, Sweden  
Since 2010 Natural Sciences and Engineering Research Council of Canada (NSERC)  
Since 2009 Russian Foundation for Basic Research (RFFI) and Russian Ministry of Science, Mega-grants  
Since 2008 NSF and EarthScope (USA), external evaluator in Geophysics and Continental Dynamics  
2005-2006 INTAS International Program Research Grant Assessment

**Editorial activities:**

2016- Editor-in-Chief, *Journal of Geodynamics* (Elsevier)  
 2016- Editorial Advisory Committee, *Journal of Indian Geophysical Union*  
 2014- Associate editor, *Nature Scientific Reports* (Nature Publishing Group)  
 2014- Associate editor, *J. Geophysical Research* (RAS)  
 2010- Associate editor, *Solid Earth* (European Geosciences Union)  
 2006- Associate editor, *Tectonophysics* (Elsevier)  
 1999-2009 Associate editor, *Journal of Geodynamics* (Elsevier)  
 Guest editor of 4 special issues of *Tectonophysics* (2002, 2011, 2013, 2014)  
 Reviewer for ca. 15 leading international peer-reviewed journals including *Nature Geosciences*.

**Professional activities (organizational):**

2006-2008 Science program coordinator in Solid Earth Geophysics, 33 Intern. Geological Congress, Oslo.  
 1999-2001 Organizer and Science program coordinator of ca. 20 ESF-ILP EUROPROBE workshops (each with 80-250 participants) and scientific steering meetings;  
 1994-present Convener and co-convener of ca. 50 symposia at the leading international conferences, including EGU, EGS, GSA, AGU, IGC, IASPEI, etc.

**EXTERNAL FUNDING:**

2019 PI, Inge Lehmann grant of the Royal Danish Academy of Sciences and Letters  
 2014-2018 PI, 4-year research grant, Danish Research Council, Denmark (~8.6 mln. dkk); success rate 10%  
 2016-2017 Co-PI, Nordic-Russian Cooperation Programme in Education and Research NCM-RU-2016/10057 “IAS-Integrated Arctic Studies Network”, 35.2 K Euro  
 2014-2016 PI, 4 PhD grants, University of Copenhagen (1.6 mln. dkk)  
 2011-2013 PI, 3-year research grant, Danish Research Council, Denmark (~6.2 mln. kr.); success rate ca. 10%  
 2010-2011 PI, personal 2-year research Freia grant, University of Copenhagen (~1.9 mln. kr.) (1 of 6 funded)  
 2007-2009 PI, personal 3-year research grant, Carlsbergfondet, Denmark (~1.7 mln. kr.); success rate 10%  
 2005-2006 PI, personal 2-year research grant, Carlsbergfondet, Denmark (~1.1 mln. kr.); success rate 10%  
 Since 1997 PI, several personal large-scale research grants from the world-leading companies in the diamond-exploration

**Participation in international research programs:**

2019-2014 International Lithosphere Program, Task Force Leader  
 2016-2017 Nordic-Russian Cooperation Programme in Education and Research  
 2015-2020 UNESCO IGCP-648 “Supercontinent Cycles and Global Geodynamics”  
 2014- International Continental Drilling Programme (ICDP), “A Bushveld Scientific Drilling Project” (South Africa) Working Group  
 2012- Scan-Array seismic network of the Nordic Countries, UK and Germany  
 2012- NSF (USA)-CIDER Programme “Collaborative Institute for Deep Earth Research”  
 2008-2017 European Plate Observing System (EPOS), Danish co-representative, <http://www.epos-eu.org/>  
 2008-2010 NSF (USA)-Margins Programme “Evolution of continental margins”, <http://www.nsf-margins.org/>  
 2011- NSF (USA) -GeoPRISMS Programme “Geodynamic Processes at Rifting and Subducting Margins”, [www.geoprisms.org](http://www.geoprisms.org)  
 2009-2014 ESF-EuroCORES programme “Topo-Scandes”

**Invited lectures:**

ca. 45 at international symposia, including 4 invited talks at AGU (2014-2016), GSA, EGU, IGC  
 ca. 50 in the leading research centers in China, USA, Canada, Germany, Sweden, Switzerland, Austria, Russia, Japan, ...

**Teaching since 2011:**

Developed and teach several new courses in geophysics in University of Copenhagen, including:  
 “Lithosphere structure from geophysical data” (MS); “Solid Earth geophysics” (MS); “Global tectonics” (BS);  
 “Introduction to Solid Earth geophysics” (BS)  
 Co-organized 8 International PhD Elite courses in Geophysics with the world-leading invited lecturers.

**Supervision:**

Ca. 25 BS theses and projects, 15 MS theses, 10 PhD students, 7 postdocs, 2 adjunkts

**Selected publications:**

Number of citations since 2001 (the start year of my publications): >3000; Most publications are first- or sole-authored

- First/sole-authored papers collected ca. 2,000 citations
- Sole-author of Research Monograph with Cambridge University Press, 2011, 794 pp. (“The lithosphere: An interdisciplinary approach” by Artemieva I.M.)
- Research Edited book, Elsevier, 2013, 743 pp. (“Moho: 100 years after Andrija Mohorovičić” edited by Thybo H., Artemieva I.M., Kennett B.)
- Edited scientific volumes, Elsevier (2002, 2010, 2013, 2014)
- ca. 60 peer-reviewed papers, book chapters, and encyclopedia articles
- Top cited first-authored paper (2001) got >700 citations