

Galina A. TSIRLINA, Professor, PhD, DSc

Born on June 12, 1959 in Moscow (USSR)

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EDUCATION/Degrees

1976 - 1981 M.V.Lomonosov Moscow State University (physical chemistry, electrochemistry)

1985 PhD (cand. of Sc.), M.V.Lomonosov Moscow State University (electrochemistry)

1996 DSc (habilitation), M.V.Lomonosov Moscow State University (electrochemistry)

2001 Prof, M.V.Lomonosov Moscow State University (electrochemistry)

CAREER

1985 - 1989: A.N. Frumkin Institute of Electrochemistry, The Academy of Sciences of USSR - *scientific fellow*

1989 - 2022: Department of Electrochemistry, Moscow State University (MSU) - *Professor since 2007*

2009 - 2022: Faculty of General and Applied Physics, Moscow Institute of Physics and Technology (State University, MIPT) - *Professor (part-time)*

2022 - 2023: Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, Grenoble INP, LEPMI, Grenoble, France – *visiting professor*

Since 2023: CENN Nanocenter, Ljubljana, Slovenia – *visiting professor*.

SPECIALIZATION

main field: interfacial electrochemistry

other fields: electrolyte solutions; electrodeposition; nano/micro fabrication; rechargeable materials (non-Li!)

PUBLICATIONS

Articles in refereed journals (ca. 250, including original articles, reviews, and editorial); monographic chapters (6); textbook in Russian. Google Scholar citations 4479, h = 37 (Aug 12, 2024).

SERVICE TO COMMUNITY

Member of the International Society of Electrochemistry (ISE) and Electrochemical Society (ECS)

ISE Regional representative 2001-2003

ISE Chair of "Oronzio De Nora Foundation Young Author Prize" Award Committee 2006-2008

ISE Award Committee Member (Memorial Frumkin Medal) –2009 – 2013; since 2017

Member of the Scientific Council in the Foundation for Industry Development (Russian Foundation for Technological Development), 2011-2015

EDITORIAL WORK

Topical Editor, Journal of Solid State Electrochemistry (Fundamental Electrochemistry and Electrocatalysis), since 2009

Member of the Editorial Board, Journal of Electroanalytical Chemistry, since 2007

Member of the Advisory Board, Electrochimica Acta, since 2008

Member of the Editorial Board, Current Opinion in Electrochemistry, since 2016

Guest Editor, Electrochimica Acta (Special issues “Electrochemistry from Biology to Physics”, 56 (2011) No 28; ECAT24, ongoing project)

Section Editor, Current Opinion in Electrochemistry (Fundamental and Theoretical Electrochemistry, 2021; Electrocatalysis, 2023; Surface Electrochemistry, 2025)

Guest Editor, Journal of Solid State Electrochemistry (Special issues “Electrochemistry in Eastern Europe”, 27 (2023) No 7; “Electrochemical surface finishing in miniature”, 2024-25)

GRANTS AND PROJECTS

Local (in Russia)

1994-1996; 1996-1998; 1999-2001, 2002-2004, 2005-2007, 2008-2010, 2011-2013, 2014-2016, 2017-2018, 2019-2021, 2022-2023 – grants of the Russian Foundation for Basic Researches and Russian Science Foundation
1997 – 2002 – grant of the Russian Ministry of Education (Program “Integration of high school and academic science)
1997 – 2004 – grant of the Russian Ministry of Science (Program “*Nanochemistry*”)
1998 – 2001 – editorial grant (*textbook* “Electrochemistry, jointly with Profs. B.B.Damaskin and O.A.Petrii, Moscow, Khimiya, 2001, 624 pp.; 2nd Edition KolosS-Khimiya, 2006 and 2008; 3rd Edition Lan’, 2015)
2003-2016 – annual industrial contracts with Krasnoyarsk electrometallurgical plant (“Inert Anode” project)

International

INTAS, 1996-99 (coordinated by Prof. D.J.Schiffrin, Liverpool Univ)
Russian-Austrian research programs, since 2001 (in collaboration with Dr. M.Probst, Innsbruck Univ)
Cooperation program of Moscow and Warsaw Universities, 1999-2008 (principle partners were Profs K. Jackowska, A.Czerwinski and P. Kulesza)
NATO linkage grant, 2002 - 2003 (in collaboration with Prof. J.Lipkowski, Guelph Univ)
Russian – Chinese research program, 2004 - 2006 (in collaboration with Prof. S.-G.Sun, Xiamen Univ)
ECO-NET program, 2008 - 2010 (in collaboration with Prof. M. Vorotyntsev, Bourgogne Univ)
PICS (physics) 2013-2015 (in collaboration with Prof. E. Bouchiat, Orsay Univ)
PICS (chemistry) 2013-2015 (in collaboration with Prof. E.R.Savinova, Strasburg Univ)
Joint PhD supervision (in collaboration with Prof. E.R.Savinova, Strasburg Univ): A. Ryabova (PhD 2018), I. Filimonenkov (PhD 2019).

OTHER INTERNATIONAL COLLABORATIONS

Dr. Frederic Miallard, LEPMI, hydrogen-palladium system
Prof. W.R. Fawcett, UC Davis, double layer and electron transfer
Prof. Th. Wandlowsky, Bern Univ., barrier layers on electrodes
Prof. R. Buchner, Regensburg Univ., heterogeneous solvents
Prof. S. Nakabayashi, Saitama Univ, optics of electrified interface
Profs D.Aurbach and M. Levi, Bar-Ilan Univ, intercalation
Prof. Ovadia Lev, Hebrew Univ, electrocatalysis
Prof. V. Mirsky, Brandenburg Univ of Technology Cottbus – Senftenberg, molecular electrochemistry
Profs B. Keita and L. Nadjo, CNRS, polyoxometalate electrochemistry

TEACHING

General course of electrochemistry (MSU), up to 2022
Four specialized courses of electrochemistry (MSU): *Kinetics of electrode processes*; *Thermodynamics of electrified interface*; *Spectroscopic techniques in electrochemistry*; *Electrochemical fabrication of materials*; *History of electrochemistry*, up to 2022
Courses and practical training (MIPT): *Technology of nanostructures*; *Chemistry for physicists*, up to 2022
PhD Course (Ljubljana University, 2023): *Fabrication of Nanostructures and Nanoscale Devices*

GRADUATES

Dr. Sergey Yu. Vassiliev (Prof., MSU, Dept. Electrochem.)
Dr. Marina I. Borzenko (Ass. Prof., MSU, Dept. Electrochem.)
Dr. Maria L. Khrushcheva (scientific editor, Russia)
Dr. Maria Yu. Rusanova (scientific translator, USA)
Dr. Sergey N. Pronkin (Univ. Strasburg, France)
Dr. Natalia V. Roznyatovskaya (Fraunhofer Inst, Karlsruhe, Germany)
Dr. Elena V. Timofeeva (Illinois Tech and Influid Energy, USA)
Dr. Alexey N. Gavrilov (IT, Moscow)
Dr. Nina V. Titova (Los-Angeles, USA)
Dr. Evgeny A. Astaf'ev (IPCP RAS, Chernogolovka)
Dr. Ilya V. Pobelov (Bern University, Switzerland)
Dr. Pavel A. Zagrebin (IT, Israel)
Dr. Kirill S. Napolskii (Research fellow, MSU, Dept. Electrochem.)
Dr. Ekaterina K. Lavrent'eva (administrator of Expertcorps, Russia)
Dr. Viktoriya A. Nikitina (Ass. Prof., Skoltech)
Dr. Leonid V. Pugolovkin (Research fellow, MSU, Dept. Electrochem.)
Dr. Anna S. Ryabova (Research fellow, MSU, Dept. Electrochem.)
Dr. Ivan S. Filimoninkov (Research fellow, TISNUM)
MSc Vassilii V. Luk'yanov (Education/IT, Chile)