

Prof Dr Sergey Semenov

(born 21.07.1948 in the USSR/Russian Federation,

married, has two daughters)

Languages: Russian (mother tongue), English.

Russian scientific awards: Fedorov prize (2000), Voeikov prize (2014)



Education/Academic Degrees

<i>Year</i>	<i>Institution</i>	<i>Degree</i>
1970	Moscow State University, Russia	Mathematician (eq. MS)
1974	Moscow State University, Russia	Candidate of Physical and Mathematical Sciences (eq. PhD, Mathematics)
1985	Institute of Biophysics, Krasnoyarsk, Russia	Doctor of Physical and Mathematical Sciences (Biophysics)

Other titles

<i>Title</i>	<i>Granted by</i>	<i>Year</i>
Senior Research Scientist (Ecology)	Supreme Qualification Council of Russia, nominated by the Institute of Global Climate and Ecology, Moscow	1985
Professor (Ecology)	Supreme Qualification Council of Russia, nominated by the Institute of Global Climate and Ecology, Moscow	1997
Honored Scientist of the Russian Federation	President of the Russian Federation	2008

Membership at professional societies

<i>Society</i>	<i>Elected in</i>
Moscow Mathematical Society	1976
Russian Ecological Academy	2001
Russian National Committee on Theoretical and Applied Mechanics	2011

Employment experience

<i>Position</i>	<i>Institution</i>	<i>Years</i>
Director	Institute of Global Climate & Ecology, Moscow, Russia	2011 to present
Deputy Director	Institute of Global Climate & Ecology, Moscow, Russia	1997-2011
Head of Department	Terrestrial Ecology and Bioclimatology Department, Institute of Global Climate & Ecology, Moscow, Russia	1990-1997
Head of Department	Ecological Monitoring Department, Natural Environment and Climate Monitoring Laboratory, Moscow, Russia	1985-1990
Senior Research Scientist	Ecological Monitoring Department, Natural Environment and Climate Monitoring Laboratory, Moscow, Russia	1979-1985
Senior Research Scientist	Institute of Applied Geophysics, Moscow, Russia	1976-1979
Junior Research Scientist	Institute of Applied Geophysics, Moscow, Russia	1974-1976
Junior Research Scientist	Upgrading Institute for Engineers and Managers, Moscow, Russia	1973-1974
Research Fellow	Department of Mathematics and Mechanics, Moscow State University, Moscow, Russia	1970-1973

International co-operation

<u>International body</u>	<u>Years</u>
Member of the Task Force Group on the “International Co-operative Programme of Integrated Monitoring of Air Pollution Effects on the Ecosystems” (UN ECE)	1989 - 2006
Lead Author, Intergovernmental Panel on Climate Change (IPCC), First Assessment Report, Working Group II	1988 - 1990
Lead Author, Intergovernmental Panel on Climate Change (IPCC), Third Assessment Report, Working Group II	1998 -2001
Lead Author, Intergovernmental Panel on Climate Change (IPCC), Special Report on Land Use, Land Use Change and Forestry	1998 - 2000
Expert of the Intergovernmental Panel on Climate Change (IPCC):	2003 – 2007
<ul style="list-style-type: none"> • Coordinating Lead Author, Working Group II, Fourth Assessment Report, WGII CH19; • Co-Anchor, cross-cutting theme "Key Vulnerabilities and the Science of Article 2 of the UN FCCC". 	
Bureau Member, Working Group II Vice-Chair, Intergovernmental Panel on Climate Change (IPCC)	2008 to present
Russian Focal Point for the IPCC	2014 to present

Current editorial activities

<u>Journal/Series</u>	<u>Years</u>
Problems of Ecological Monitoring and Ecosystem Modelling. vol. I-XXV. (ISSN 0207-2564, published in Russia), Deputy Editor-in-Chief	1978 to present
Meteorology and Hydrology (ISSN 0130-2906, published in Russia), Member of the Editorial Board	2014 to present
Fundamental and Applied Climatology, (provisional ISSN 2410-8758, published in Russia), Editor-in-Chief	Since 2015

Scientific publications

189 publications (scientific articles and books) in total, including monographs:

Semenov S. M., Kunina I. M., Koukhtha B. A. Tropospheric ozone and plant growth in Europe. Moscow, Publishing Centre “Meteorology and Hydrology”, 1999, 207 pp. (in Russian) ISBN 5-7699-0009-1

Semenov S.M. Greenhouse gases and present climate of the Earth. Moscow, Publishing Centre “Meteorology and Hydrology”, 2004, 175 pp., (in Russian) ISBN 5-7699-0019-9

Semenov S.M., Yasukevich V.V., Gelver E. S. Identification of climatogenic changes. Moscow, Publishing Centre “Meteorology and Hydrology”, 2006, 325 pp., (in Russian) ISBN 57699-0021-0

Methods for assessment of consequences of climate change for physical and biological systems (**Semenov S. M., editor&leader**). Moscow, Roshydromet, 510 pp., ISBN 978-5-904206-10-9

- **Leader of the preparation:** First assessment report on climate change and its consequences in Russian Federation. Vol. II. Consequences of climate change. Moscow, Roshydromet, 2008, 288 pp., ISBN 978-5-904206-05-5 (in Russian)
- **Co-leader of the preparation:** Second Roshydromet assessment report on climate change and its consequences in Russian Federation. Moscow, Roshydromet, 2014, 1009 pp., ISBN 978-5-9631-0322-7 (in Russian)