

Biographical Sketch

Name: Stanislav A. Ogorodov

Title: Dr., Professor of Russian Academy of Sciences

Born: May 01, 1973, Moscow, Russia



Current Position:

Head of Laboratory of Geoecology of the North, Faculty of Geography, Lomonosov Moscow State University (MSU), Moscow, Russia.

Scientific adviser of the Coastal Dynamic Group at Zubov State Oceanographic Institute (SOI) of the Federal Service for Hydrometeorology and Environmental Monitoring, Moscow, Russia.

Education:

1990-1995 – Student, Faculty of Geography (Department of Geomorphology and Paleogeography), MSU.

1995 – MS Thesis (Diploma) on "Morphology and dynamics of the Caspian Sea coastal zone under sea-level oscillations".

1995-1998 – PhD Student, Faculty of Geography, MSU: specialty "geomorphology and evolutionary geography".

1999 – PhD Thesis on "Morphology and dynamics of the modern transgressive barriers in the Caspian Sea". PhD degree in Geography.

2004-2006 – Postdoctoral project "Coastal dynamics in the Western Russian Arctic seas under global climate change and local human impacts" at Alfred Wegener institute for polar and marine research, Potsdam.

2009 - Extension courses "Engineering surveys for construction".

2014 – Habilitation Thesis on "Relief-forming action of sea ice", Faculty of Geography, MSU. Full Doctor of Science degree in Geography.

Academic background:

1999 – Leading Engineer Fellow in the Laboratory of Geoecology of the North, Faculty of Geography, MSU.

2000-2002 – Research Fellow in the Laboratory of Geoecology of the North, Faculty of Geography, MSU.

Since 2000 – Leader of research group "Dynamics of coasts and shelf of the Arctic seas" (MSU).

2002-2004 – Senior Research Fellow in the Laboratory of Geoecology of the North, Faculty of Geography, MSU.

Since 2004 – Leading Research Fellow in the Laboratory of Geoecology of the North, Faculty of Geography, MSU.

Since 2005 – Leading Research Fellow at Zubov State Oceanographic Institute (SOI) of Federal Service for Hydrometeorology and Environmental Monitoring.

Since 2006 – Scientific adviser of Coastal Dynamic group at Zubov State Oceanographic Institute (SOI) of Federal Service for Hydrometeorology and Environmental Monitoring.

Since 2007 – Full member of the Sea Coasts working group of the Russian Academy of Science Council on the problems of the World Ocean.

Since 2010 – Full member of Russian Geographical Society.

Since 2015 – Expert of the Russian Science Foundation (RSF).

Since 2016 – Member of the Expert Council of the Russian Foundation for Basic Research (RFBR).

Since 2018 – Professor of the Russian Academy of Sciences, Corresponding Member of the Russian Academy of Natural Sciences.

Chief Researcher of Laboratory of Geoecology of the North, Faculty of Geography

Awards:

Laureate of the MSU founder Ivan Shuvalov's Award (II degree) 2012 for the monograph "Ogorodov S.A. The role of sea ice in the dynamics of the relief in the coastal zone. Moscow, Moscow State University Publishing House, 2011, 173 p."

Laureate of the Board of Academics Award of the Faculty of Geography, MSU for the best presentation in the Lomonosov Readings-2012 "The relief-forming role of sea ice" (1st prize)

Triple laureate of the award "Volnoe delo" of O.V. Deripaska:

1) for the monograph "Ogorodov S.A. The role of sea ice in the dynamics of the relief in the coastal zone. Moscow, Moscow State University Publishing House, 2011, 173 p.";

2) for the article "Ogorodov S.A., Arkhipov V.V. Caspian Sea bottom scouring by hummocky ice floes // Doklady of the Russian Academy of Science, 2010, vol.432, №3, p.403-407 (2009-2010);

3) for the series of works "The role of sea ice in the dynamics of the coasts and bottom of the Arctic seas" (2007).

Scientific field:

The main field of scientific interest lies in the investigation of geomorphology and coastal dynamics in the Arctic Seas. In particular, this includes investigations of the influence of sea ice on the shaping of the coast and sea floor, evolution of coastal system in the cryolithozone under climate change, dynamics of the coastal barriers, morphodynamics of coastal zone under sea-level oscillations, lithodynamic systems, technogenic impact upon lithodynamic regime, forecast of the dynamics of coastal zone under environmental change and technogenic impact, geomorphologic and geocologic mapping of key areas, wind-energetics methods, monitoring of the coastal dynamics and following exogenous processes such as linear thermoerosion, thermodenudation, aeolian transfer.

Expertise:

Stanislav Ogorodov has a twenty-five years expertise in analyses of coastal evolution and dynamics under climatic changes, sea-level oscillations and technogenic impact. During the period of education and work at Faculty of Geography he organized and participated in marine and coastal field investigations in the Barents, Pechora, Kara, White, Baltic, Black, Azov, Okhotsk and Caspian Seas. Monitoring observations on coastal dynamics and accompanying exogenous processes in different geomorphological conditions in the key sections of the Pechora, Kara and Caspian Seas. He is the author of about 100 scientific publications and co-author of five monographs. A special course for Master students of the Faculty of Geography of MSU "Geomorphology and dynamics of the coastal-shelf zone of the Arctic seas: theory and investigation methods" has been developed and is being currently lead.

Experience:

From 2000 to 2020 principal investigator of more than 20 projects on industrial hydrometeorological explorations for construction projects of oil and gas industry in the coastal zone of Barents Sea, Kara Sea, Sea of Okhotsk and also Caspian Sea under the contracts with companies TOTAL, "Norsk Hydro", "StatOil", GAZPROM, Lukoil, JSC YamalGazInvest, PiterGaz, Gazprom VNIIGAZ LLC, Shtokman Development AG, Sakhalin Energy, SCANEX, and others.

From 2003 to 2020 – leader of more than 20 projects within the Russian State Research and Technical Programs "Top-priority scientific and civil technical investigations", "Scientific and academic teaching staff of the innovative Russia", INTAS, RFBR, RSF; leader of Russian team in RFBR-Helmholtz Association "Assessing the Sensitivity of Arctic Coastal Dynamics to Change".

Since 2018 – leader of RFBR-ARCTIC project No18-05-60300 "Thermoabrasion of the Russian Arctic coasts".