

Assoc. Prof. Dr. Alexander Ivanov

Nizhniy Novgorod state University of Architecture and Civil Engineering, Russia

General information

1. **Family name:** Ivanov
2. **First names:** Alexander
3. **Date of birth:** 16.08.1954
4. **Nationality:** Russian
5. **Civil Status:** married, three children

Fields of Research

Management, evaluation of programs in water and coastal resources management, environmental education, environmental policy, community based natural resources management, urban and industrial pollution reduction, urban planning and management (including such areas as housing, water and sanitation), urban and housing finance, energy sector planning and global climate change.

Education and Qualifications

Institution	Nizhniy Novgorod State University of Architecture and Civil Engineering (NNSUACE)
Date:	2000
Degree(s) or Diploma(s) obtained:	Industrial safety
Institution	Gorky (Nizhniy Novgorod) State University
Date:	1977
Degree(s) or Diploma(s) obtained:	Radio physics

Language skills (5 is the highest level):

Language	Reading	Speaking	Writing
Russian (native language)	5	5	5
English	4	4	4

PhD: Candidate of economic sciences at the Institute for Mineral Resources Economics, Moscow (www.viems.ru)

Key qualifications/specialist skills

- The expert of the year 2018” nominated by Nizhny Novgorod nongovernmental prize Committee “Probuzhdeniye” (Awakening)
- A member of “The Academy of Investments and Construction Economics” since 2017

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- The Expert of the Committee of “The Regional Nizhny Novgorod Programme 2035”
 - The Expert of Scientific Committee of Multidisciplinary International Geoconferences on Geology and Earth Sciences SGEM since 2017
 - A lecturer on environment related sciences including environmental monitoring, environmental expertise, informational systems for environment protection, risk assessment, projects assessment (Lecturer at NNSUACE, 1999-present moment)
 - Secretary of the regional division of the International council on monuments and sites (ICOMOS) Russia, Nizhny Novgorod regional division, since 2016 –present moment
 - The city based researcher of UN HABITAT (2017)
 - The city-based researcher of the New York University Stern Urbanization Project in collaboration with UN HABITAT and Lincoln Institute of Land Policy The Land and Housing Survey in a Global Sample of Cities (2016)
 - The Researcher of the project under the Russian Fund of Basic Research grant 15-45-02580 Development of a bioHydroMeteorological model for lake part of plane reservoirs on the basis of conjugated numerical models(on the example of Gorky reservoir) (2015-present moment)
 - The researcher of the project under the Russian Fund of Basic Research project grant 13-05-12093 Development of methods for estimating parameters of atmospheric and oceanic boundary layers in Emergency Situations of natural and artificial origin by satellite remote sensing comprehensive data and GIS-technologies) (2014-2015)
 - The researcher of the project under the Russian Fund of Basic Research and the Nizhegorodskaya oblast grant 13-05-97068 R_Povolzh'e_a "Investigation of hydrophysical processes in the lake part of lowland reservoirs (on the example of Gorky reservoir)." (2013-2015)
 - The coordinator of NNSUACE team at EU CABRI-Volga project “Cooperation Along a Big River” (2004-2006)
 - Health risk assessment including investigation of vulnerable groups under industrial and traffic pressure (In cooperation with Nizhniy Novgorod Medical Academy (1992-1993) and Nizhniy Novgorod state Centre for Sanitary and Epidemic protection (2001-2004))
 - Social vulnerability assessment to floods based on field investigation of households vulnerability in the Volga basin (cooperation with the Institute of Environment and Human Security of UN University (UNU_EHS), Bonn, 2005-2007).
 - Legal planning, including development of Nizhniy Novgorod city Legal Zoning Code (In cooperation with the Institute for Urban Economics, Moscow 2004-2005)
 - Strategic and long term planning, including development of social and economic municipal plan for Balakhna district, Nizhniy Novgorod province (at. 2003-2004),
 - Waste management assessment international project (in cooperation with NGO Dront, Nizhniy Novgorod, 2002)
 - Environmental project assistance (national officer at UNDP in the RF, 1998-1999)
 - Environmental protection management, environmental expertise, integrated planning including Nizhniy Novgorod general plan development (Deputy Head of Nizhniy Novgorod City Environmental Committee, 1994-1998).
 - Hydrodynamic modelling of stratified flows including seas and lakes (Researcher at the Institute of Applied physics of the Russian Academy of Science, 1977-1994)

[Professional experience](#)

Present position: Associate professor at the Nizhniy Novgorod State University of Architecture and Civil Engineering (NNSUACE),

Years with the organization: 19 years with NNSUACE

Professional Experience Record

Date	1999- up to the present moment
Location	Nizhniy Novgorod, Russia
Company	Nizhniy Novgorod state University of Architecture and Civil Engineering
Position	Associate professor
Description	Education and research

Date	2008- 2010
Location	Nizhniy Novgorod, Russia
Company	Privolzhskaya Ecologicheshaya Auditorskaya Companiya
Position	Scientific Advisor
Description	Environmental assessment and health risk assessment

Date	2004- 2009
Location	Nizhniy Novgorod, Russia
Company	International Ocean Institute, Operational centre Volga
Position	Director
Description	Management of Educational and Scientific projects

Date	2003-2004
Location	Moscow, Russia
Company	Fund The Institute for Urban Economics
Position	Expert on spatial economic development
Description	Development of municipal legal zoning, mid- and long-term municipal programmes

Date	1998-1999
Location	Moscow, Russia
Company	UN Development Programme in the Russian Federation
Position	National officer
Description	Assistance of environmental projects for Nizhniy Novgorod province

Date	1994-1998
Location	Nizhniy Novgorod, Russia
Company	Nizhniy Novgorod State environmental Protection Committee
Position	Deputy Head
Description	Municipal monitoring, expertise and environmental programme management

Date	1992-1993
Location	Nizhniy Novgorod, Russia
Company	City Council
Position	Deputy Head of Environmental Commission
Description	Municipal law acts design and monitoring

Date	1977-1994
Location	Nizhniy Novgorod, Russia
Company	The Institute of Applied Physics of the Russian Academy of Science
Position	Researcher
Description	Field investigation, mathematical and laboratory modelling of stratified flows

Research work

Key Publications

1. QUANTITATIVE ANALYSIS OF THE PLANKTON OF THE GORKY RESERVOIR ON THE VOLGA RIVER / Ivanov A.V., Guseinova S.M., Krayev I.M., Malyshev D.M.//International Multidisciplinary Scientific GeoConference SGEM. 2018. T. 18. № 3-1. C. 595-600
2. ONLINE MONITORING OF URBAN ENVIRONMENT Ivanov A.V., Platov A.Yu., Stepanov D.V., Ostanina I.M. International Multidisciplinary Scientific GeoConference SGEM. 2018. T. 18. № 2-2. C. 339-346.
3. ENVIRONMENTAL MONITORING IN THE REALM OF INTERNET OF THINGS A.V. Ivanov //Upravleniye tekhnosferoy. 2018. Vol. 1. № 2. P. 165-184.(in Russian)
4. PUMPED STORAGE ELECTRIC PLANTS ON A PLANE RIVERS (in Russian)/A.V. Ivanov//Digest Ecolife, №9-10, 2016, 2-7 pp.
5. Development of Interactive Monitoring System for Urban Environmental Impact Assessment of Transport System /Marina Beliakova, Anton Pashkevich, Alexander Ivanov, Alari Purju // Proceedings of the 16th International Conference RELIABILITY and STATISTICS in TRANSPORTATION and COMMUNICATION (RelStat'16), 19–22 October 2016, Riga, Latvia. 129-140 pp

6. ONLINE TRAFFIC JAM MONITORING FOR MOBILE USERS./A. Ivanov, A. Platov, D. Stepanov//16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-58-2 / ISSN 1314-2704, June 28 - July 6, 2016, Book2 Vol. 1, 781-788 pp
7. ONLINE MONITORING OF WATER QUALITY IN THE LAKE TYPE RESERVOIR BASED ON IN SITU MEASUREMENTS, ASSESSMENT AND FORECAST/A. Ivanov, S. Guseinova //16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-61-2 / ISSN 1314-2704, June 28 - July 6, 2016, Book3 Vol. 1, 537-544 pp
8. DEVELOPMENT OF METHODS FOR ESTIMATING PARAMETERS OF NATURAL EMERGENCY PHENOMENA USING SATELLITE REMOTE SENSING DATA AND GIS TECHNOLOGIES /Ivanov A.V., Rodionova S.V., Troitskaya Y.I., Sergeev D.A. // International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM. 15th. 2015. C. 563-570.
9. INTERACTIVE SYSTEM FOR ENVIRONMENTAL MONITORING OF TRAFFIC JAM /Ivanov A.V., Platov A.Y., Belyakova M.S., Kaminskas E.A.// International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM. 15th. 2015. C. 699-705.
10. STRATIFICATION AS A FACTOR OF INFLUENCE ON THE WATER QUALITY OF PLANE RESERVOIRS (in Russian) /A.V. Ivanov, Yu. I Troitskaya, V.V. Papko et al //Privolzhskij-nauchnyij-zhurnal. 2015. № 2 (34). C. 149-156.
11. INVESTIGATION OF HYDROLOGICAL PROCESSES IN THE LAKE PART OF LOWLAND RESERVOIRS OF THE VOLGA BASIN /Ivanov A., Afanasyeva I., Troitskaya Y.//International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 14. 2014. p. 441-446.
12. ENVIRONMENT OF NIZHNY NOVGOROD (In Russian) //Edited by D. Gelashvili, E, Koposov and L/ Laptiev. Nizhny Novgorod, 2012. (Second edition)
13. ENVIRONMENTAL MIGRATION AS A FACTOR OF VULNERABILITY OF CITIES /A.V. Ivanov, E.S Shevsgun, N.M. Shuvalova//Creative City, Дзержинск, ВВАГС, 2010. 249-262 pp.
14. ECOLOGICALLY SAFE, SUSTAINABLE DEVELOPMENT OF THE VOLGA REGION. ASPECTS OF INTERNATIONAL SCIENTIFIC COOPERATION Koposov E.V., Paleev A.V., Sobol S.V., Vinogradova T.P., Kaschenko O.V., Katrayeva I.V., Ivanov A.V., Paniutin A.A., Ryzhova T.S., Vinogradov M.A. Nizhny Novgorod, 2009. (2nd edition)
15. INTERACTIVE INFORMATIONAL AND ANALYTIC SYSTEMS TO MAINTAIN REGIONAL SUSTAINABLE DEVELOPMENT ON THE EXAMPLE OF THE VOLGA BASIN (in Russian)/ Ivanov A.V., Kaschenko O.V.// "Innovations", 2009. № 3. 25-31 pp.
16. DEVELOPMENT OF THE METHODS OF ENVIRONMENTAL AND ECONOMIC ASSESSMENT OF URBAN HABITAT AREAS (In Russian) /Ivanov A.V.// Thesis for the degree of candidate of economic sciences at the Institute for Mineral Resources Economics Moscow, 2006.
17. MATHEMATICAL MODELING IN THE PROBLEMS OF FORECASTING EMERGENCY SITUATIONS IN THE OKA RIVER WITHIN NIZHNII-NOVGOROD OBLAST/ Ivanov A.V., Klevannyi K.A., Matveev G.V., Smirnova E.B., Kozlov S.I., Krasilshchikov A.A., Solovich N.E., Pelinovskii E.N., Talipova T.G. //Water Resources. 2000. T. 27. № 3. C. 271-277.

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18. ENVIRONMENTAL INVESTMENT POLICY IN NIZHNIY NOVGOROD OBLAST /Ivanov A.// OECD Proceedings. Environmental Financing in the Russian Federation. OECD publications, 2, 114 p. 1998.- p.55-64.
 19. MANIFESTATIONS OF INTERNAL WAVES AT THE SEA SURFACE IN THE PRESENCE OF A SURFACTANT FILM /Vasilinenko N.I., Yermakov S.A., Ivanov A.V., Panchenko A.R., Salashin S.G., Troitskaya Yu.I.//Doklady of the Academy of Sciences of the USSR. Earth Science Sections. 1989. T. 307. № 4. pp. 265-267.
 20. GENERATION OF INTERNAL WAVES BY AN OSCILLATING SOURCE Ivanov A.V.//Izvestiya. Atmospheric and Oceanic Physics. 1989. T. 25. p. 61.
 21. VISUALIZATION AND MEASUREMENTS OF DENSITY INHOMOGENEITIES IN A DENSITY STRATIFIED FLUID USING THE MOIRÉ FRINGE METHOD /Ivanov, A. V. //1988. Preprint No. 189, Institute of Applied Physics, Academy of Sciences of the USSR, Gorkii (in Russian).
 22. THE MOTION OF A VORTEX COUPLES IN A STRATIFIED FLUIDS (in Russian)./A.V. Ivanov, A.V. lebedev, A.L. Piskarev, L.A. Ostrovsky. Fluid Dynamics A Journal of Russian Academy of Sciences, 1987, №2, 183-187.
 23. INTERACTION OF INTERNAL WAVES AND TURBULENCE IN THE OCEAN /Ivanov A.V., Ostrovsky L.A., Soustova I.A., Tsimring L.Sh.//Dynamics of Atmospheres and Oceans. 1983. T. 7. № 4. 221-232. p.