

1. Name:	Georgy Petrov
2. Date of birth:	July 27, 1940
3. Citizenship:	Russia/Tajikistan
4. Personal address:	734002, Tajikistan, Dushanbe, Parvin Street 12. 302020, Russia, Orel, str. Priborostroitel'naja, 59, ap. 84
Telephone No.:	992 918 62 05 36 (Tajikistan) +7 910 202 79 82 (Russia)
Fax No.:	-
E-mail address:	geomar@bk.ru

5. Education:

Institution:	■ Polytechnic Institute, Tashkent
Date:	■ 1957 - 1962
Degree(s) or Diploma(s):	■ Engineer(energy production/distribution)

Institution:	■ All-union research institute of hydraulic work after Vedeneev, St. Petersburg, Russia. Post-graduate studies
Date:	■ 1990-1992
Degree(s) or Diploma(s):	■ Ph.D.

Institution:	■ Central Courses of Extramural Foreign Languages Training, "Foreign languages", Ministry of Education, Russia
Date:	■ 1993-1995
Degree(s) or Diploma(s):	■ Diploma

Institution:	■ Water and Energy Uses, Agency for International Development, AED / Washington, DC
Date:	■ 1998
Degree(s) or Diploma(s):	■ Certificate

Institution:	■ Transboundary waters: Strategies for Improvement of Regional Cooperation, ICWC Training Center in Tashkent, Uzbekistan
Date:	■ 2001
Degree(s) or Diploma(s):	■ Certificate

Institution:	■ Clear development mechanism of Kiot's protocol. European Commission. SOFRECO
Date:	■ 2004
Degree(s) or Diploma(s):	■ Certificate

<i>Institution:</i>	■ Management of the atmospheric air and using of the clear technologies of cool firing in Central Asia. ECE. UN. CINTECH, Moscow.
<i>Date:</i>	■ 2007
<i>Degree(s) or Diploma(s):</i>	■ Certificate

<i>Institution:</i>	■ Monitoring land cover, land use and fire in agricultural and semi-arid regions of Northern Eurasia. NASA LCLUC Science Team, GOF-C-GOLD/NERIN, NTTSPI, MAIRS, "National Center of Space Researches and Technologies" – JSC. Kazakhstan, Almaty
<i>Date:</i>	■ 2009
<i>Degree(s) or Diploma(s):</i>	■ Certificate

<i>Institution:</i>	■ Institute of additional education "Professional". The international training course Economic Commission for Europe UN "Safety of dams in the Central Asia", Moscow.
<i>Date:</i>	■ 2010
<i>Degree(s) or Diploma(s):</i>	■ Certificate
<i>Institution:</i>	■ Institute of Water Problems. Academy of Sciences. Russia. Moscow
<i>Date:</i>	■ 2012
<i>Degree(s) or Diploma(s):</i>	■ Doctor of Technical Science

6. Other training:

- CJDA, McGill University "Brace" Centre, Training centre. "Development of regional and inter-branch cooperation in the field of water resources". Tashkent, 20-25 of May, 2002
- UN Economic and social committee for Asia and Pacific ocean. "Promotion of development of cooperation on dams safety". Almaty, 24-25 of March, 2004
- Tacif, IFSA. "Development of efficient combined management of water resources in two pilot basins of Aral sea". Turkmenabad, April, 2004
- UN Economic and social committee for Asia and Pacific ocean state agency on power engineering of Kyrgyzstan. "Mechanisms of clean development of Central Asia"

7. Language & degree of proficiency:

<i>Languages</i>	<i>Speaking</i>	<i>Reading</i>	<i>Writing</i>
Russian	5	5	5
German	1	4	3
English	1	4	3

8. Membership in professional societies:

- Academy of Sciences of Tajikistan, Academician (Member of the Board)
- Academy of International Energy Sciences, Academician
- International Engineering Academy, Academician

9. Countries of work experience:

- 1979 – 1984 Iraq
- 1987 India

- 1990,1991 China
- 1992 - 2013 Kazakhstan, Kyrgyzstan, Uzbekistan
- 1996 Italy
- 1998 USA
- 1999 Hungary
- 2004 Afghanistan
- 2004 Portugal, Spain
- 2003, 2006, 2007, 2009 Switzerland
- 2010 Spain

10. Employment record:

Date: ■ 2017 – to date
Employer/Client/Fin.: ■ Orel State University
Position: ■ Professor of the department "Department of Electrical Equipment and Energy Conservation"
Description of duties: ■ Teaching and research activities

Date: ■ 2017 – to date
Employer/Client/Fin.: ■ Journal **Modern Management Forum**
Position: ■ Member of the editorial board
Description of duties: ■ Reviewing and editing articles

Date: ■ 2017 – to date
Employer/Client/Fin.: ■ journal **International Letters of Natural Sciences**
Position: ■ Reviewer
Description of duties: ■ Reviewing articles

Date: ■ 2016 – to date
Employer/Client/Fin.: ■ Journal **Central Asia Journal of Water Research**
Position: ■ Member of the editorial board
Description of duties: ■ Reviewing and editing articles

Date: ■ 2015 – to date
Employer/Client/Fin.: ■ Center for Innovative Development of Science and New Technologies of the Academy of Sciences of the Republic of Tajikistan
Position: ■ Chief Researcher
Description of duties: ■ Implementation of innovative development of energy research, including renewable energy sources

Date: ■ 2003 – 2016
Employer/Client/Fin.: ■ Institute of Water Issues in Hydropower and Ecology, Academy of Science of Tajikistan
Position: ■ Head of Laboratory
Description of duties: ■ Leadership and carrying out scientific-research and analytical studies of water resources use, hydroenergy and energy, economics and environment.

Date: ■ 2005 – 2006
Employer/Client/Fin.: ■ Public corporation «Rusal»
Position: ■ Advisor
Description of duties: ■ Technical and economic analyses of the project of Rogun HPP on Vahsh river

Date: ■ 2001 – 2003
Employer/Client/Fin.: ■ Dushanbe, Tajikistan Ministry of Energy
Position: ■ Advisor
Description of duties: ■ Management and energy development strategy in Tajikistan

Date: ■ 1998 – 2000
Employer/Client/Fin.: ■ Dushanbe, Tajik Technical University, Department of Energy
Position: ■ Chairman of the State Examination Commission
Description of duties: ■ Adoption of examinations and issuing of diplomas to students

Date: ■ 1994 – 2001
Employer/Client/Fin.: ■ Dushanbe, Tajikistan State energy company, Design Institute - Tajikgidroenergoproekt
Position: ■ Vice-chairman, Director of Institute
Description of duties: ■ Leadership of construction (civil works) and supervision of construction of new and exploitation and rehabilitation of existing hydro units in Tajikistan; preparation and implementation of projects (reconstruction and maintenance); Design of water flow transfer for Pyandj, Vakhsh, and Zeravshan rivers. Integrated water management and master plan development for small Hydroplants in Tajikistan; design of Sangtudinskaya, Shurobskaya and Pamirskaya Hydroplants; supervision of construction of Rogunskaya Hydroplant.

Date: ■ 1989 – 1994
Employer/Client/Fin.: ■ Dushanbe, Tajikistan Design Institute “Tajikgidroenergoproekt”
Position: ■ Director
Description of duties: ■ Management and technical leadership of projects design for Small Hydroenergy Development schemes in Tajikistan; elaboration of Sangtudinskaya, Rogunskaya, Pamirskaya – 1, Shurobskaya, and small Hydroplants in Pamir Region.

Date: ■ 1984 – 1989
Employer/Client/Fin.: ■ Tashkent, Uzbekistan “Tashgidproekt”
Position: ■ Chief Expert
Description of duties: ■ Technical leadership and management of scientific and research studies at designed and operating dams in Central Asia: Rogunskaya, Sangtudinskaya, Shurobskaya, Baipazinskaya, Nurekskaya, Kambratinskaya, Papanskaya, Charvakskaya and Tupolangskaya. Technical leadership of geotechnical section of scientific problem of dam constructions by means of explosion.

Date: ■ 1987
Employer/Client/Fin.: ■ Barary, India, Ministry of energy of USSR, Zarubezhstroy
Position: ■ Chief Engineer
Description of duties: ■ Project design, supervision of construction

Date: ■ 1979 – 1984
Employer/Client/Fin.: ■ Khadita, Iraq, TechmashImport, Energy Development State Committee
Position: ■ Chief, Department of Dam Construction
Description of duties: ■ Management of construction

Date: ■ 1970 – 1979
Employer/Client/Fin.: ■ Tashkent, Uzbekistan, Sredasgidroproekt Design Institute
Position: ■ Chief of Laboratory
Description of duties: ■ Management and technical leadership in scientific and research studies related to dams solidity, safety, and construction technology.

Date:	■ 1962 - 1970
Employer/Client/Fin.:	■ Togtogul, Kyrgyzstan, Charvak, Uzbekistan, JSC Hydroproject
Position:	■ Chief of Scientific-Research Group
Description of duties:	■ Dam design. Scientific and research studies related to dams solidity, safety, construction technology.

11. Detailed tasks assigned:

Year & Duration.	Work undertaken that best illustrates capability to handle tasks assigned
09.2015 – 10.2015	● Work in the project: "Evaluation of political risks for sustainable development and successful implementation of United Nations programs in Tajikistan" - International consultant on water and energy cooperation in Central Asia
05.2012 – 08.2013	● Work in the project of ESCAP "Power cooperation by efficiency of use of energy and expansion of technologies of non-polluting energy in Northern and Central Asia (NCA)".
01.2011 – 02.2011	● Work in the project of the Social Fund "Tajik Norwegian Small Hydro Power Development Center" - Technical Expert
03.2010 – 08.2010	● Work in the project of the Asian Development Bank. Regional Technical Assistance "Pyanj River Basin Flood Management Project - a deputy head of the project
04.2010 -07.2010	● Work in the UNECE project on the development of renewable energy in the Russian Federation and the countries of the Commonwealth of Independent States (CIS), - consultant
12.2009 – 05.2010	● Work in project UNESCAP "Regional concept on energy efficiency among SPECA Member States", - consultant
09.2009 – 02.2011	● Work in project UNDP «Risk Monitoring and Warning System», - the expert on power.
04.2009 – 06.2010	● Work in the project of the World Bank, the TF REC CA «Public Informing by a planned socially-ecological estimation of the project of Rogun HYDROELECTRIC POWER STATION», - the expert concerning power
11.2009 – 04.2010	● Work in project "The modeling tool for improvement water resources management and achievement of sustainable development for the Aral Sea basin", the expert on power.
11.2009 – 12.2009	● Work in project Organization for Security and Co-operation in Europe (Contract SSA # 29-0207-SC) "Facilitation of regional dialogue in Central Asia on the development of economic mechanisms of using water and energy resources, taking into account the needs ecological system of the Aral Sea basin"
12.2008 – 05.2009	● The Euroasian Bank of Development. FEASIBILITY REPORT working out «the Comparative estimation of advantages and risks of building of cascades of HYDROELECTRIC POWER STATION on the rivers Kafirnigan and Obihingou in Republic Tajikistan»
06.2007 – 08.2007	● Consultant the ECE the United Nations; To analyse energy sector reforms on Clean Coal in central Europe (Contract # 19418)
11.2007 – 12.2007	● Consultant the ECE the United Nations; Analysis to promote Rational Use of Water & Energy Resource in Central Asia (Contract # 20883)
06.2006 - 06. 2007	● Community-Based Rural Power Supply Project (TA -9089-TAJ) for Asian Development Bank. Team leader of the local experts.
2006	● UNDP, Community development program. National expert on renewable energy sources. Development of feasibility study of 6 Micro Hydro stations.
2006	● UNDP, Ministry of energy, expert. Development of «Strategy of Tajikistan Hydropower development».
2004 -2005	● ADB, Tasmania, Power rehabilitation project. Team leader of the local experts. Financial analyses of the project.
2005 - 2007	● JA HUN. "Interstate Water Resource Risk Management" Integrating and Strengthening the European Research Area (FP6-2003-INCO-Russia+NIS-1 Shrep) National expert on power engineering and water resources.
2005 -2007	● ADB, entec, Community-Based Rural Power Supply Project (TA 9089-TAJ) Team leader of the local experts.

Year & Duration.	Work undertaken that best illustrates capability to handle tasks assigned
09.2015 – 10.2015	<ul style="list-style-type: none"> ● Work in the project: "Evaluation of political risks for sustainable development and successful implementation of United Nations programs in Tajikistan" - International consultant on water and energy cooperation in Central Asia
05.2012 – 08.2013	<ul style="list-style-type: none"> ● Work in the project of ESCAP "Power cooperation by efficiency of use of energy and expansion of technologies of non-polluting energy in Northern and Central Asia (NCA)".
01.2011 – 02.2011	<ul style="list-style-type: none"> ● Work in the project of the Social Fund "Tajik Norwegian Small Hydro Power Development Center" - Technical Expert
03.2010 – 08.2010	<ul style="list-style-type: none"> ● Work in the project of the Asian Development Bank. Regional Technical Assistance "Pyanj River Basin Flood Management Project - a deputy head of the project
04.2010 -07.2010	<ul style="list-style-type: none"> ● Work in the UNECE project on the development of renewable energy in the Russian Federation and the countries of the Commonwealth of Independent States (CIS), - consultant
12.2009 – 05.2010	<ul style="list-style-type: none"> ● Work in project UNESCAP "Regional concept on energy efficiency among SPECA Member States", - consultant
09.2009 – 02.2011	<ul style="list-style-type: none"> ● Work in project UNDP «Risk Monitoring and Warning System», - the expert on power.
04.2009 – 06.2010	<ul style="list-style-type: none"> ● Work in the project of the World Bank, the TF REC CA «Public Informing by a planned socially-ecological estimation of the project of Rogun HYDROELECTRIC POWER STATION», - the expert concerning power
11.2009 – 04.2010	<ul style="list-style-type: none"> ● Work in project "The modeling tool for improvement water resources management and achievement of sustainable development for the Aral Sea basin", the expert on power.
11.2009 – 12.2009	<ul style="list-style-type: none"> ● Work in project Organization for Security and Co-operation in Europe (Contract SSA # 29-0207-SC) "Facilitation of regional dialogue in Central Asia on the development of economic mechanisms of using water and energy resources, taking into account the needs ecological system of the Aral Sea basin"
12.2008 – 05.2009	<ul style="list-style-type: none"> ● The Euroasian Bank of Development. FEASIBILITY REPORT working out «the Comparative estimation of advantages and risks of building of cascades of HYDROELECTRIC POWER STATION on the rivers Kafirnigan and Obihingou in Republic Tajikistan»
06.2007 – 08.2007	<ul style="list-style-type: none"> ● Consultant the ECE the United Nations; To analyse energy sector reforms on Clean Coal in central Europe (Contract # 19418)
11.2007 – 12.2007	<ul style="list-style-type: none"> ● Consultant the ECE the United Nations; Analysis to promote Rational Use of Water & Energy Resource in Central Asia (Contract # 20883)
06.2006 - 06. 2007	<ul style="list-style-type: none"> ● Community-Based Rural Power Supply Project (TA -9089-TAJ) for Asian Development Bank. Team leader of the local experts.
2003 - 2005	<ul style="list-style-type: none"> ● Tajikistan: Condition of environment 2005. UNDP program on environment. Regional resource Center of Asia and Pacific region. UNEP RRCAP. National power engineering expert.
2004	<ul style="list-style-type: none"> ● Aral Sea Tacis Project 30560 "Support for Regional Water Management and Strengthening the Capacity of Basin Water Organizations for Improved Recourse Planning. National expert.
2003	<ul style="list-style-type: none"> ● ADB, SMEC. Project "Hydroenergy Development Strategy in Tajikistan", National power engineering expert.
1998 - 2003	<ul style="list-style-type: none"> ● Participation in development of "Concept and Strategy for Regional Collaboration on Effective Water and Energy Resources Use in Central Asia", SPECA National power engineering expert.
1998 - 2003	<ul style="list-style-type: none"> ● World Bank. GEF The Aral Sea Basin Program: Water and Environmental Management project, Component C „Dam Safety and Water Resources Management“, Leader of the National Working Group.
2000 - 2003	<ul style="list-style-type: none"> ● World Bank. GEF. The Aral Sea Basin Program: Water and Environmental Management project, Component A-1: Water Resources and Salinisation Management, Deputy Leader of the National Working Group.
1998 - 2000	<ul style="list-style-type: none"> ● EPIC, USAID. Project "Optimization Water-Energy Resources Use in the Syrdarya River Basin", National power engineering expert.

Year & Duration.	Work undertaken that best illustrates capability to handle tasks assigned
09.2015 – 10.2015	● Work in the project: "Evaluation of political risks for sustainable development and successful implementation of United Nations programs in Tajikistan" - International consultant on water and energy cooperation in Central Asia
05.2012 – 08.2013	● Work in the project of ESCAP "Power cooperation by efficiency of use of energy and expansion of technologies of non-polluting energy in Northern and Central Asia (NCA)".
01.2011 – 02.2011	● Work in the project of the Social Fund "Tajik Norwegian Small Hydro Power Development Center" - Technical Expert
03.2010 – 08.2010	● Work in the project of the Asian Development Bank. Regional Technical Assistance "Pyanj River Basin Flood Management Project - a deputy head of the project
04.2010 -07.2010	● Work in the UNECE project on the development of renewable energy in the Russian Federation and the countries of the Commonwealth of Independent States (CIS), - consultant
12.2009 – 05.2010	● Work in project UNESCAP "Regional concept on energy efficiency among SPECA Member States", - consultant
09.2009 – 02.2011	● Work in project UNDP «Risk Monitoring and Warning System», - the expert on power.
04.2009 – 06.2010	● Work in the project of the World Bank, the TF REC CA «Public Informing by a planned socially-ecological estimation of the project of Rogun HYDROELECTRIC POWER STATION», - the expert concerning power
11.2009 – 04.2010	● Work in project "The modeling tool for improvement water resources management and achievement of sustainable development for the Aral Sea basin", the expert on power.
11.2009 – 12.2009	● Work in project Organization for Security and Co-operation in Europe (Contract SSA # 29-0207-SC) "Facilitation of regional dialogue in Central Asia on the development of economic mechanisms of using water and energy resources, taking into account the needs ecological system of the Aral Sea basin"
12.2008 – 05.2009	● The Euroasian Bank of Development. FEASIBILITY REPORT working out «the Comparative estimation of advantages and risks of building of cascades of HYDROELECTRIC POWER STATION on the rivers Kafirnigan and Obihingou in Republic Tajikistan»
06.2007 – 08.2007	● Consultant the ECE the United Nations; To analyse energy sector reforms on Clean Coal in central Europe (Contract # 19418)
11.2007 – 12.2007	● Consultant the ECE the United Nations; Analysis to promote Rational Use of Water & Energy Resource in Central Asia (Contract # 20883)
06.2006 - 06. 2007	● Community-Based Rural Power Supply Project (TA -9089-TAJ) for Asian Development Bank. Team leader of the local experts.
1994 -1996	● EBRD. Project „General strategy of dehydration, efficient water using and protection of water resources of Aral sea basin“, Leader of Regional Group,

12. Other Skills:

- Teaching in universities:
 - «Mechanics of soils and foundations» (Tashkent Polytechnic University, 1970 -1979),
 - «The construction of dams directed blast» (Tashkent Polytechnic University, 1984 – 1989),
 - «Economics and management» (Tajik State University, 1993 – 1998).

13. Publications:

438 printing works, including 25 monographs

Signature



Date of signing: 14/11/2019