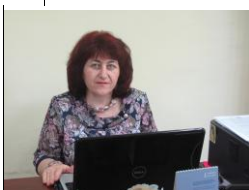


Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Petya Pavlova IVANOVA**
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 Nationality Bulgarian
 Date of birth 17.10.1969
 Gender Female

Desired employment / Occupational field Genetics, Ichthyology, Ecology and Taxonomy

Work experience

Dates From 01.09.2010 up to now
 Occupation or position held Assoc. Prof. Dr. ,
 Scientific Secretary , IO-BAS ,2015
 Deputy Chairman of the Scientific Council, IO - BAS 2012-2015.
 Member of the Scientific Council, IO-BAS from 2011 until now
 Main activities and responsibilities Over 26 year experience in the area of marine biology, fisheries science (taxonomy, population genetics, biodiversity, data collection), environmental science, experience in marine fisheries and ecosystem research.
 Research on: population genetics of fish species (marine and freshwater); determination of the taxonomical status of disputable fish species and other hydrobionts, specification of population-genetical structure of commercial fish species in connection with accurate determination of its stocks and their rational utilization; application of genetic-biochemical and DNA-markers for species identification of fishes and other hydrobionts to estimate and protect the biodiversity; using genetical methods for rapid identification of the fillet an caviar of sturgeons.
 Name and address of employer Institute of Oceanology, BAS, First May Street 40, P.O. Box 152, Varna 9000, Bulgaria, tel. (+359 52) 370 486, fax: (+359 52) 370 483
 Type of business or sector Research Institute
 Dates 1993 -2010

Occupation or position held	2007 - 2010 Deputy Director Institute of Fishing Resources (IFR), Varna 2007 Assoc. Prof. Dr. , 2004-2010 Head of Ichthyology Department IFR 2000 Research Associate I degree, 1997 Research Associate II degree, 1994 Research Associate III degree
Main activities and responsibilities	Organization of the activities of Department of Ichthyology; leader and participant in national and international projects, scientific leader of students and Ph.D. students; participation on the international and national forums for biodiversity of fish species and for determining of appropriate activities for protection of commercial fish species; participation of experts groups to Ministry of Environment and water, Ministry of Agriculture and food and Agricultural Academy; Give assistance to Director of IFR ; participating of workshops, seminars, connected to the IFR activities;
Name and address of employer	Institute of Fishing Resources, Primorski Blvd., 4, P.O.Box 72, Varna 9000, Bulgaria
Type of business or sector	Research Institute
Dates	1992-1993
Occupation or position held	Biologist, curator
Main activities and responsibilities	
Name and address of employer	Museum of Natural History-Varna, 9000 Varna, 41 Bul. Maria Louisa
Type of business or sector	Varna Regional Museum of History
Education and training	
Dates	2003
Title of qualification awarded	Ph.D.
Principal subjects/occupational skills covered	Ph.D. Thesis: "Taxonomy and population infrastructure of some species from Families Cobitidae, Atherinidae and Clupeidae (Pisces) in Bulgaria."
Name and type of organisation providing education and training	Institute of Zoology, Bulgarian Academy of Sciences and Institute of Fishing Resources, Varna
Level in national or international classification	Research Institute
Dates	1987-1992
Title of qualification awarded	Master degree
Principal subjects/occupational skills covered	Biology, Hydrobiology, Msc Thesis: "Genetical polymorphism of general muscle proteins and muscle esterases on horse mackerel <i>Trachurus mediterraneus ponticus</i> ".
Name and type of organisation providing education and training	Sofia University, Biological Faculty and Institute of Fishing Resources, Varna
Level in national or international classification	State University and Research Institute and Research Institute
Dates	1983-1987
Title of qualification awarded	Secondary education
Principal subjects/occupational skills covered	High school with an inclusive program of German language

Name and type of organisation providing education and training

High school

Level in national or international classification

Fifth High school "Dimitar Polyakov", Varna

**Other language(s)
Self-assessment**

English, Russian, German

English
Russian
German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient	B2	Independent	B2	Independent	B2	Independent	B2	Independent
C1	Proficient	C2	Proficient	C1	Proficient	B2	Independent	B2	Independent
B1	Basic	A2	Basic	A2	Basic	A2	Basic	A2	Basic

European level ()*

Social skills and competences

Team work: good communication ability working on national and international scientific groups, investigating of ichthyological biodiversity and protection of fishes and other hydrobionts.

Organisational skills and competences

- Leadership (head of Ichthyology department)
- Leadership (Deputy Director of IFR)
- good experience as a project leader and participant in national and international projects
- training of university students as well as a leadership of their master degree theses
- scientific leadership of Ph.D. students

Technical skills and competences	- experience to work with specific equipment for electrophoresis, isoelectric focusing (IEF) and DNA analyses
Computer skills and competences	Good command of Microsoft Office tools (Word, Excel and PowerPoint), PAUP, Genemapper, Genetix, Basic knowledge of graphic design application Photoshop
Other skills and competences Training of Specialists	<p>Leadership of master students - 2011 Vesselina Momchilova, Biology Faculty Department "Hydrobiology" SU "K. Ohridski", Thesis: "Population-genetic structure of the Black Sea anchovy (<i>Engraulis encrasicolus</i> Linnaeus, 1758)".</p> <p>Leadership of PhD students, IO-BAS: Venelin Nikolov PhD thesis: "Genetic screening of turbot <i>Psetta maxima</i> (Pisces, Scophtalmidae) populations from the Bulgarian Black Sea coast in connection with its systematics, biodiversity and rational use and protection." Nina Dzhembekova PhD thesis: "Molecular taxonomy and ecology of potentially toxic phytoplankton species in the Black Sea."</p>
Participation in Scientific Jury	<p>Scientific Jury: - to award the degree "Doctor of Science" at the University "Paisiy Hilendarski" (2017). - to award academic position "professor" IO-BAS (2012) and Plovdiv University "Paisiy Hilendarski"(2019) - to award academic position "associate professor", "Kliment Ohridski" (2013), MU "Prof.P.Stoyanov", Varna (2013 and 2016); IO-BAS (2015 and 2016). - award of scientific degree "doctor" at Plovdiv University "Paisiy Hilendarski" 2012, 2015 and 2016, IS-BAS 2012, MU "Prof.P.Stoyanov", Varna (2015,2018), IBER-BAS (2017).</p>
Specializations	<p>Bioinformatics course, Zoological Station "Anton Dohrn", Section of Molecular Evolution, Naples, Italy, 20-24 Oct 2003; International course in bioinformatics, 6-10 June 2005, Sofia; Specialization at the Institute of Physiology and Genetics of Animal Laboratory of Genetics of fish Libehov, Czech Republic; Course "Molecular and Biochemical markers in wetlands Eco-Toxicology" 14-18 June, 2010, CLGE, BAS; Fishery forensic genetics workshop, Istanbul, 16-17.11.2011; Specialization in molecular biology Molecular Biology Group, INRB, Lisbon, 27.11-11-12.2011</p>
Reviewer of articles in national and international journals	<p>Acta Zoologica Bulgarica (2012, 2014-2020), Biotechnology & Biotechnological Equipmen (BBE, 2012, 2018), Journal Fishery Research (2012), International Journal of Fisheries and Aquaculture (IJFA,2011),Journal of Costal Research (2010), IJMS, Journal Ecology and Natural Environment (JENE,2012) Journal of Environmental Sciences (JES 2013-2), Turkish Journal of Fisheries and Aquatic Sciences" (TrJFAS,2014), NESciences (2017), GenAqua (2017), Ecologica balkanica (2019), Fishtaxa (2020), Molecular ecology (2020).</p>

Membership in Scientific and/or Professional Institutions, Bodies, and Organizations	International Association for Danube Research (IAD), American Fisheries Society (AFS), World Sturgeon Conservation Society (W.S.C.S.), B.A.E.N.A., Danube Sturgeon Task Force (DSTF), Member of the Union of Scientists-Varna, Member of the National Scientific and Technical Council for Fisheries and Aquaculture, Ministry of Agriculture and Food (2007-2010), Member of the National Biodiversity Convention coordination group, Ministry of Environment and Water
Editorial board membership	Journal of Limnology and Freshwater Fisheries Research, since 2015 Genetics of Aquatic Organisms Journal (GenAqua), since 2017, Section Editor
Additional information Principal Publications	<p>Principal Publications (recent publications)</p> <p>Ivanova, P., Dobrovlov, I. 2006. Population-genetic structure on European anchovy (<i>Engraulis encrasiolus</i> L.) from Mediterranean basin and Atlantic Ocean. <i>Acta Adriatica</i>,47(1):13-22</p> <p>Ivanova, P., Tsekov, A., Dobrovlov, I., Atanasova, S. 2006. Genetic-biochemical characteristic of the hemoglobin and the transferins in the Black Sea turbot (<i>Psetta maxima</i>). <i>Bulgarian Journal of Agricultural Science</i>, National Center for Agrarian Sciences, v.12, 284-289.</p> <p>Ivanova, P.P. 2006. Genetic- biochemical identification of <i>R. rutilus</i> (Linnaeus, 1758) and <i>R. frisii</i> (Nordman), 1840), (Pisces, Cyprinidae) in Bulgaria. <i>Acta zoologica Bulgaria</i>, 59(1):59-63</p> <p>Lenhardt, M., Bloesch, J., Reinartz, R., Suci, R., Ivanova, P., Guti, G., Pannonhalmi, M. 2006. The actual situation of the endangered sturgeons in the Danube River Basin. A call for actions to implement their protection with the Sturgeon Action Plan under the Bern Convention. <i>Danube News</i> 13-14, Article 7, 18-22.</p> <p>Bat, L., Ivanova, P., Dobrovlov, I., Shulman, G.E., Nikolsky, V.N., Yuneva, T.V., Shchepkina, A.M., Kideys, A.E. 2007. The population structure of the Black Sea anchovy. <i>Aquaculture & Fisheries</i>,2, 51-52</p> <p>Janko, K., Flajshahans, M., Choleva, L., Bohlen, J., Shlechtova, V., Rabova, M.,Lajbner, Z., Shlehta, V., Ivanova, P., Dobrovlov, I., Culling, M., Persat, H., Kotusz, J. & Rab, P. 2007. Diversity of European spined loaches (genus <i>Cobitis</i> L.): an update of the geographic distribution of the <i>Cobitis taenia</i> hybrid complex with a description of new molecular tools for species determination. <i>Journal of Fish Biology</i> 71, 1–22. Suppl. X.</p> <p>Kotlik, P., Markova, S., Choleva, L., Bogutskaya, N., Ekmekci, F. and Ivanova, P. 2008. Divergence with gene flow between Ponto-Caspian refugia in an anadromous cyprinid <i>Rutilus frisii</i> revealed by multiple gene phylogeography. <i>Molecular Ecology</i>, 17(4): 1076-1088.</p> <p>Francisco, S.M., Congiu, L., Stefanni, S., Castilho, R., Brito, A., Ivanova, P., Levy, A., Cabaral, H., Kiliass, G., Doadrio, F. and V. Almada. 2008. Phylogenetic relationships of the North-eastern Atlantic and Mediterranean forms of <i>Atherina</i> (Pisces, Atherinidae), <i>Molecular Phylogenetics and Evolution</i>, 48, 782-788.</p> <p>Tsekov, A., Ivanova, P., Angelov, M., Atanasova, S. and Bloesch, J. 2008. Natural sturgeon hybrids along the Bulgarian Black Sea coast and in the Danube River, <i>Acta zool. bulg.</i>, 60(3):311-316.</p> <p>Tsekov, A., Ivanova, P., Dobrovlov, I. 2008. First data for species identification of turbot along the Bulgarian Black Sea coast based on the genetic-biochemical analyses. <i>Acta zool.bulg.</i> Suppl.2, 299-304.</p> <p>Idakieva, K., Tchobanov, A., Doumanova, L., Ivanova, P., Dobrovlov, I., Gielens, C. 2008. Development of biotechnology for production of biologically active compounds from <i>Rapana thomasiana</i> hemocyanin. <i>Advances in Bulgarian Science</i>, 2-3: 13-24</p> <p>Idakieva, K., Chakarska, I., Ivanova, P., Tchobanov, A., Dobrovlov, I., Doumanova, L. 2009. Purification of hemocyanin from marine gastropod <i>Rapana thomasiana</i> using ammonium sulphate precipitation method. <i>Biotechnol. & Biotechnol EQ</i>,23(3), 1364-1367.</p> <p>Apostolou A., P. Ivanova, B. Velkov, M. Vassilev, I. Dobrovlov, D. Dobrev., 2011. <i>Pomatoschistus marmoratus</i> (RISSO 1810), is it really a “new” species for the Bulgarian Ichthyofauna? <i>Acta Zoologica Bulgarica</i>. 63(3):289-294, ISSN: 0324-0770</p>

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- Yankova M., Raykov V., **Ivanova P. R.** Diasamidze, M. Mgeladze Gh. Radu, S. Nicolaev, S. Agapov, M. Grinchenko, M. Oral, E. Düzgüneş B. Öztürk, L. Bat, E. Karpova, VI. Shlyakhov, Al. Boltachev 2011 Black Sea Fish Check List, BSC Publications (http://documents.blacksea-commission.org/Downloads/IUCN_Status_BS_states.pdf)
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Participation in the projects

Participation in the International projects:

1. DANUBS EVK1-CT-2000-00051
2. "Sturgeon Species Identification in the Danube River and the Black Sea" (2005-2006)
3. Phylogeographic relationships of Ponto-Caspian refuge and Central Europe fish populations – sound basis for management and conservation (2005-2007)
4. NATO - PDD(CP)-(ESP.NUKR.CLG 981783 Bioindicators for assessment of the Black Sea ecosystem (2005 -2007)
5. BG-RO Cooperative bilateral project BRS-24 "The knowledge of the state and of the evolutionary tendencies of the main gregarious species stocks in the Romanian and Bulgarian marine area, with the aim of harmonizing their evaluation methods and sustainable exploitation measures", duration 2005 - 2007.
6. Population-genetical and histological analyses of barbel (*Pisces*, *Cyprinidae*) from Macedonian and Bulgarian rivers and lakes in connect to anthropogenical influence of ichthyological biodiversity (2006-2008) Bilateral Bulgaria-Macedonia project
7. CoCoNet (Towards Coast to Coast NETWORKS of marine protected areas (from the shore to the high and deep sea), N287844, 7 FP, 2012-2016
8. DEVOTES - DEVelopment Of innovative Tools for understanding marine biodiversity and assessing good Environmental Status. (2012-2016), 7FP
9. "Genetic Structure Analyses of Shared Turbot Stocks Along Turkish and Bulgarian Coasts in Connection with its Bilateral Sustainable Exploitation", 2013-2015, bilateral project BAS-TUBITAK.
10. East and South European Network for Invasive Alien Species – A tool to support the management of alien species in Bulgaria, ESENIAS-TOOLS, Д-33-51/30.06.2015.
11. Improving Bulgarian Biodiversity Information system (IBBIS), Д-33-72/20.07.2015.
12. Strengthening regional cooperation in the area of fisheries data collection, MAPE 2014/19
13. MARE/2014/19 -SI2.70 Strengthening regional cooperation in the area of fisheries data collection in the Mediterranean and Black Sea, 2015-2016
14. MARE/2014/09, Sea basin checkpoint LOT NO: 4 – Black Sea EC DG MARE, EMFF/2014/1.3.1.3 - MARE/2014/09 – Lot 4
15. Framework contract for services to move towards good environmental status of the European marine waters by implementing the Marine Strategy Framework Directive.
16. Marine litter transnational Legislation Enhancement and Improvement MELTEMI (2017-2019).

17. Environmental Protection and Reduction of Risks of Adverse Events and Natural Disasters", approved by the Resolution of the Council of Ministers № 577/17.08.2018 and supported by the Ministry of Education and Science (MES) of Bulgaria (Agreement № D01-230/06.12.2018).
18. Infrastructure for sustainable development of marine research including the participation of Bulgaria in the European infrastructure Euro-Argo, MASRI

Participation in the National projects:

1. Population dynamics of winter spawning fishes in Bulgarian part of the Black Sea“ National Center of Agrarian Science (NCAS).
2. Genetical investigations of commercial fish species (sturgeons, turbot) in connection with their utilization and protecting of their biodiversity“, NCAS, 2006-2007
3. Dynamics of food basis on commercial fish stocks in the Black Sea“, NCAS
4. „ Participant in Annual Project -Agricultural Academy “State, trends and ecological aspects during the investigation of the changes of stocks in main fish species with aim stability management and using of marine biological resources”, National Center of Agrarian Science, duration 2008 – 2010.
5. „Genetic-biochemical monitoring of commercial fish species along Bulgarian Black Sea coast (1996-1998), Ministry of Education and Science.
6. „Genetic-biochemical , morphological and biological characteristics of *Carassius gibelio* (Bloch, 1782) populations in Bulgarian and Greece waters”. (2006 – 2008), Ministry of Education and Science .
- 7.„Elaboration of biotechnology for obtaining of biological-actively substances from hemocyanin, isolated from Black Sea marine gastropod *Rapana thomasiana* ”, (2006-2008), Ministry of Education and Science.
8. „The Black Sea gobiidae (GOBIIDAE) –biological resource with insufficient exploitation and conservation appreciation ”, Ministry of Education and Science (2009-2012),.
9. “Distribution, taxonomical affiliation and genetical structure of *Cottus gobio* (Pisces, Cottidae) populations from Bulgarian River”, Contract № 127/29.03.2005 with Scientific fund of Sofia University “Kliment Ohridski”, duration one year.
10. Enlargement of ecological net NATURA in Bulgarian Black Sea area to overcome average insufficiency concerning marine area 2011-2012, Ministry of Environment and water.
- 11.CEBDER - Development of National Centre of Excellence in Biodiversity and Ecosystem Research (2009 - 2011)
12. Exploring the relationship between steatosis and apoptosis in nonalcoholic liver-uvrezhdane-induced by high fructose diet Fund „, Medical Science "of Varna Medical University 2011 - 2013.
13. Contract between the Society of CPA "Consortium Danube sturgeon" and WWF - World Wide Fund for Nature, Danube-Carpathian Program Bulgaria for "Production and displacement of at least 50,000 larvae from endangered sturgeon species with proven Danube origin" Action 3 "Ensuring minimum population numbers for the survival of the species to restore natural reproduction through displacement of a heterogeneous offspring larvae of endangered sturgeon with proven origin of the Danube populations the project "Implementation of the activities of the National Action Plan for sturgeon in order to improve the status and conservation of sturgeons in Bulgaria", financed by contract № 5103020-S-012 under Priority Axis 3 of the Operational Program "Environment 2007-2013 "2015.
- 14."Field work of fish species distribution and abundance”, №DIR 5113024-1-48; Field work and distribution of species/assessment of the state of the species and habitats in whole country, BG 161 PO 005/11/3.0/03/24, № 53/2014q Operational programme Environment 2007-2013
15. Phytoplankton cysts – an intricacy between a “memory” or a “potential” for Black sea biodiversity and algal blooms, 2017-2019,
16. Biological monitoring of commercial fish species - sprat, whiting, anchovies, horse mackerel, red mullet, spiny dogfish, NAFA, MAFF, 2016-2018.
17. Scientific research on the stocks of sprat, anchovies, horse mackerel, red mullet and other additional species Med & Black Sea Dta call, Med &Black Sea-LP-Data Call, 2016-2018.
18. Scientific research of biomass and distribution of sprats and other additional species in the Bulgarian part of the Black Sea; Biological monitoring of sprat, NAFA, MAFF, 2015-2018.
18. Processes, marine environmental quality, ecosystem functions and services in the coastal zone and the Bulgarian Black Sea economic zone. National Scientific Program "Environmental protection and reduction of the risk of adverse phenomena and natural disasters”2018-2023.
19. Infrastructure for sustainable development of marine research including the participation of Bulgaria in the European infrastructure Euro-Argo, MASRI, 2017-2023.

Scopus <https://www.scopus.com/authid/detail.uri?authorId=8598841700>

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