

CURRICULUM VITAE



1. **Family name:** KOSTOV
2. **First name:** VASIL
3. **Date of birth:** 18.11.1969
4. **Nationality:** Macedonian
5. **Education:**

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained
Agriculture faculty, "Ss. Cyril and Methodius" University in Skopje, R. Macedonia.	Most recent diploma
Institute of Animal Science and Fishery, "Ss. Cyril and Methodius" University in Skopje, R. Macedonia. From 2013	<i>Regular (full) professor of Fishery in IAS</i>
Institute of Animal Science and Fishery, "Ss. Cyril and Methodius" University in Skopje, R. Macedonia. From 2010 to 2013	<i>Associate professor of Fishery in IASF</i>
Institute of Animal Science and Fishery, "Ss. Cyril and Methodius" University in Skopje, R. Macedonia. From 2006 to 2010	<i>Scientific researcher</i>
Agriculture faculty, "Ss. Cyril and Methodius" University in Skopje, R. Macedonia. - 2006	<i>Doctor of Agricultural Science – Fishery</i>
Institute of Animal Science and Fishery, "Ss. Cyril and Methodius" University in Skopje, R. Macedonia. From 2000 to 2006	<i>Researcher assistant</i>
Agriculture faculty, "Ss. Cyril and Methodius" University in Skopje, R. Macedonia. From 1996 to 1999	<i>Master of Agricultural Science - Fish reproduction and fish ecology</i>
Agriculture faculty, "Ss. Cyril and Methodius" University in Skopje, R. Macedonia. From 1991 to 1995	Bachelor degree

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	5	4	5
Serbian and Croatian	5	5	5
Bulgarian	4	3	3

7. **Membership of professional bodies:**

- President of the Council of Fisheries - Ministry of Agriculture, Forestry and Water Management of the Republic of Macedonia - from 2015 to 2018;
- President of Macedonian Fishing Federation – from 2006 to 2022;

- President of the Scientific board of the scientific journal “Macedonian Journal of Animal Science” - 2010-2016;
- President of the Scientific board of the V Symposium of the Animal Science – 2012;
- Leader of the board of experts that prepared National Program for Fishery and Aquaculture for 12 years 2012-2024;
- Member of the Council of Fisheries - Ministry of Agriculture, Forestry and Water Management of the Republic of Macedonia - from 2009 to 2018;
- Member of the University management board of the University St. Cyril and Methodius in Skopje - 2010 – 2016;
- Member of the working group for establishing a system for research in the field of Agriculture and Forestry - Ministry of Agriculture, Forestry and Water Management - 2014-2015;
- Member of the Council of Livestock – Ministry of Agriculture, Forestry and Water Management of the Republic of Macedonia - 2011-2014;
- Member of the National Jury – Commission, Selection of candidates for state award "Goce Award" for contribution and development of science 2010 to 2013;
- Member of the Scientific board of the IV Symposium of the Animal Breeding, Institute of animal science Skopje – 2009;
- Member of the expert team in preparation of the Law for fishery and aquaculture, Ministry of Agriculture Forestry and Water Economy of R. Macedonia - 2006-2008;
- General secretary of German shepherd dog Club – Macedonia -1994- 1998 ;
- Team leader of Macedonian Representation at European championship, sport fishing in Serbia – 2013;
- Team leader of Macedonian Representation, World championship, carp fishing in Romania 2012;
- Team leader of Macedonian Representation, World championship, carp fishing in France 2023;
- Chairman of the organizing committee for the organization of Balkan Championship in sport fishing" (Adriatic - Danube Cup), "Ohrid 2009, Skopje 2011 and Bogdanci 2019;
- Leader of the team of experts that prepared Program for stocking and improvement the carp production in Republic of Macedonia 2016;

8. Other skills:

- Computer skills Microsoft Office,
- Car driving licence

9. Present position:

- Regular (full) Professor at "Ss. Cyril and Methodius" University in Skopje, Institute of Animal Science and Fishery;
- Deputy Director of Institute of Animal Science and Fishery - "Ss. Cyril and Methodius" University in Skopje;
- Head of fish production at MIA EKOFISH Fish farm

10. Years within the institution:

Employed by a "Ss. Cyril and Methodius" University in Skopje, Institute of Animal Science and Fishery from 1995, 30 years experience.

11. Key qualifications:

- General manager of Institute of Animal Science – Skopje - From march 2010 to march 2016 -
- Head of Fishery Department at Institute of Animal Science – Skopje - From 2000 to 2023
- Basic Security on the field II (BSITF II), Certificate – United Nations Department of Safety and Security – 2013

- Advanced Security in The field (ASITF), Certificate - United Nations Department of Safety and Security – 2013
- Flood risk management and Water Framework Directive course participant, Certificate – 2010 Delft, Netherland
- Intensive aquaculture expert - Certificate –Aquaculture expert - 2000,

12. Professional experience: Participation in projects in last years

Ref. no	Date from – Date to	Location	Company or Consortium	Position	Description
1	2023	North Macedonia	Project funded by MOEPP	Project co-coordinator Fish expert	Project: Preliminary research data of ichthyofauna, plankton and benthal fauna in Kozjak reservoir Activities performed: Data collection and analysis, processing of literary data; Mapping the distribution of important fish species from the region, Identification of fish species and their population. Coordination in preparation of reports.
2	2023	North Macedonia	DRIM HIDRO DOO	Project co-coordinator Fish expert	Project: Research of the fish fauna of the Elevska river in the part that will be covered by the construction of a small hydro power plant - HPP "Elevska" Activities performed: Data collection and processing, Field work, Assess biodiversity of fish fauna. Coordination in preparation of the final report.
3	2023	RNM	IASF MAFWE	Project coordinator	Project: Preparing Management plans (Fishing ground) for fishing waters in the Republic of Macedonia - for the period of 2023– 2028. Activities performed: Conducting data analysis. Preparation of management plans.
4	2020-2021	North Macedonia	Balkan Foundation for Sustainable Development (BFSD) financed by PONT and BirdLife International CEPF	Fish expert. Leader of the team	Project: Monitoring and conservation of the endemic and endangered trout <i>Salmo peristericus</i> in National park Pelister and Prespa region Activities performed: Data collection and processing, Field work, Assess biodiversity of fish fauna, Assess the population status of fish fauna, Identify and map important species for conservation (international and national documents, endemic, rare, relict species, etc.), Prepare the final report
5	2022	North Macedonia	Project funded by MOEPP	Project coordinator Fish expert	Project: Meet “Vretenar”(Zingel <i>balcanicus</i> , Karaman 1937), the endemic and endangered fish in earth globe Activities performed: Conducting field data collection. Conducting ichthyological laboratory analysis Conducting data analysis Participation in preparation of reports
6	2020-2023	North Macedonia	GRANIT financed by RBRD	Fish expert. Leader of the team	Project: MONITORING PLAN - Rehabilitation and improvement of state road A2, section Kriva Palanka – Deve bair - Activities performed: Data collection and processing, Field work, Assess biodiversity of fish fauna, Assess the population status of fish fauna, Identify and map important species for conservation (international and national

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					documents, endemic, rare, relict species, etc.), Prepare the final report.
7	2021 - 2023	North Macedonia	Ministry of Education and Science	Fish biology expert	Project: Ecological status of ichthyofauna in Belchishko wetland - preliminary data Activities performed: Field data collection. Coordinating ichthyological laboratory analysis. Coordinating fish data analysis. Coordination in preparation of reports
8	2019-2020	North Macedonia	Macedonian Ecological Society (MES)	Fish expert	Project: Conservation of Nature in Macedonia – phase 3. Watershit of River Bregalnica, Nature 2000 Farmahem Activities performed: Data collection and processing, Field work, Assess biodiversity of fish fauna, Assess the population status of fish fauna, Identify and map important species for conservation (international and national documents, endemic, rare, relict species, etc.), Prepare the final report.
9	2020	North Macedonia	"DECONS-EMA" DOOEL Skopje	Fish expert	Project: “VI th Convention on Biological Diversity, indicators of ecosystem services” Activities performed: Data collection and processing, Field work, Assess biodiversity of fish fauna, Assess the population status of fish fauna, Identify and map important species for conservation (international and national documents, endemic, rare, relict species, etc.), Prepare the final report
10	2019	North Macedonia	University “Ss. Cyril and Methodius”- Skopje	Project coordinator	Project: Periodical probiotic feed addition in carp intensive cage culture
11	2019	North Macedonia	Ministry of Environment and Physical Planning	Fish expert	Project: “Distribution of fish species from the genus <i>Romanogobio</i> in R. Macedonia - response to changes in the environment” Activities performed: Data collection and processing, Field work, Assess biodiversity of fish fauna, Assess the population status of fish fauna, Identify and map important species for conservation (international and national documents, endemic, rare, relict species, etc.), Prepare the final report
12	2017 – 2018	North Macedonia	Farmahem DOOEL Skopje , financed by “Sasa”	Fish expert	Project: Studija za bioloska raznovidnost vo reonot na rudnikot Sasa, Makedonska Kamenica, Activities performed: Data collection and processing, Field work, Assess biodiversity of fish fauna, Assess the population status of fish fauna, Identify and map important species for conservation (international and national documents, endemic, rare, relict species, etc.), Prepare the final report
13	2018-2019	North Macedonia	Financed by: GEF, UN Environment	Fish Expert	Project: “Achieving Biodiversity Conservation through Creation and

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			Vienna, Ministry of Environment and Physical Planning		Effective Management of Protected Areas and Mainstreaming Biodiversity into Land Use Planning” Activities performed: Data collection, Field work, identification of the rare, endemic, endangered species, Selection of water bodies and habitats important for protection based on EU Habitat Directives, Recommendation for zoning (in line with WFD), Participation in preparing of Final Report
14	2017 – 2018	North Macedonia	MIA EKOFISH DOO Financed by: Ministry of Agriculture, Forestry and Water Economy	Leader of the team	Project: Effects of dietary supplements applied into the process of intensive carp production in cage aquaculture system Activities performed: Leading the team working on the project, Participation in analysing the results, Data collection and processing, Field work. Preparing of Final Report.
15	2017 – 2018	North Macedonia	Institute of Animal science – Financed by: Ministry of Agriculture, Forestry and Water Economy	Leader of the team	Project: Monitoring of water quality of reservoir Shum and hatchery Shum, toward conservation of nature and production of quality salmonids for stocking of open waters in the Republic of Macedonia Activities performed: Leading the team working on the project, Participation in analysing the results, Data collection and processing, Field work. Preparing of Final Report
16	2017 – 2020	North Macedonia	financed by GEF, UN Environment Vienna, Ministry of Environment and Physical Planning	Fish Expert	Project: “Achieving Biodiversity Conservation through Creation and Effective Management of Protected Areas and Mainstreaming Biodiversity and Land Use Planning”. Component: Valorization of Biodiversity of Sharr Mountain” Activities performed: Data collection, Field work, identification of the rare, endemic, endangered species, Selection of water bodies and habitats important for protection based on EU Habitat Directives, Recommendation for zoning (in line with WFD), Participation in preparing of Final Report
17	2017	North Macedonia	PCC EV HIDRO DOOEL	Fish expert. Leader of the team	Project: “Investigation of the fish fauna of the river Kriva Reka in the part of the future water intake for small hydroelectric station MHE 123 Kriva Reka Activities performed: Data collection, Field work, Determination of qualitative and quantitative composition of fish community of Kriva Reka identification of the rare, endemic, endangered species, Selection of water bodies and habitats important for protection based on EU Habitat Directives, Recommendation for zoning (in line

Ref. no	Date from – Date to	Location	Company or Consortium	Position	Description
					with WFD), Preparing of Final Report
18	2017	North Macedonia	Financed by EVN Macedonia	Fish expert. Leader of the team (Project manager)	Project. “Justification for the construction of the fish paths at small hydro power plants “Babuna”, “Belica”, “Pesocani”, “Pwna”, “Zrnovce” and “Doshnica” Activities performed: Data collection. Field work, identification of the rare, endemic, endangered species. Determination of qualitative and quantitative composition of fish community. Determination of the structure of the fish community before and after the intakes and the fish paths. Recommendation for the fish paths (in line with WFD). Preparing of Final Report
19	2017	North Macedonia	PCC HIDRO DOOEL - Skopje	Position: Fish expert. Leader of the team (Project manager)	Project: Field investigation of the fish fauna of rivers Patishka, Shtirovica, Gradecka, Braychinska and Stanishar in the part of the intakes for small hydroelectric power plants Activities performed: Data collection. Field work, identification of the rare, endemic, endangered species. Determination of qualitative and quantitative composition of fish community. Determination of the structure of the fish community before and after the intakes and the fish paths. Recommendation for the fish paths (in line with WFD). Preparing of Final Report
20	2016	North Macedonia	Particip GmbH	Fish expert	Project: “Strengthening the capacities for implementation of Natura2000“, EuropeAid/136609 Activities performed: Data collection. Field work, identification of the rare, endemic, endangered species. Determination of qualitative and quantitative composition of fish community. Preparing of Final Report
21	2016	North Macedonia	Regional Environmental Center (REC) Macedonia	Fish biology expert	Project: “Study for valorisation of Dojran Lake” Activities performed: Data collection. Field work, identification of the rare, endemic, endangered species. Determination of qualitative and quantitative composition of fish community. Preparing of Final Report
22	2016	North Macedonia	Financed by European Bank for Reconstruction and Development – EBRD	Leader of the project team (Project manager)	Project: “Environmental and social framework for small hydropower projects Macedonia: Aquatic biodiversity assessment of Krapska River”
23	2015	North Macedonia	Cathedra of Comparative Anatomy, Institute of Biology, Faculty of Natural Sciences and Mathematics University “Ss Cyril	Fish biology expert	Project: “Taxonomic revision and redescription of the Genus Gobio and Romanogobio from R. Macedonia based on comparative morphological and osteological analyses” Activities performed: Leading the team working on field work-collection of fish

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			and Methodius”		species from genus <i>Gobio</i> and <i>Romanogobio</i> from R. Macedonia (present on EU Habitat Directives) Participation in analysing the results and identification and conformation of the taxonomic status of fish species from this two Genus. Participation in preparing of Final Report.
24	2015	North Macedonia	Regional Environmental Center (REC) Macedonia	Fish biology expert	Project: “Developing capacities for sustainability of Dojran Lake” Activities performed: Sampling, material processing, identification of fishes, according to the WFD requirements. Conservation status, rarity, endemism, etc. Selection of water bodies and habitats important for protection based on EU Habitat Directives. Analysis of the results. Participation in preparing of Final Report.
25	2015-2016	North Macedonia	UKIM Institute of Animal Sciences. Financed by: MAFWE	Leader of the project team (Project manager)	Project: “Preparation of Fishing Management Plan’s (Fishing ground) for the waters in the Republic of Macedonia, for the period of 2017-2022.” Activities performed: Leading the team working on collection of literature data about fish distribution in rivers, reservoirs and lakes in R. Macedonia. Selection of water bodies. Participation in assessment of the fish populations in rivers and reservoirs. Preparing of Final Documents.
26	2014-2015	North Macedonia	Global Ecology Fund (GEF), Municipality of Skopje,	Leader of the project team (Project manager)	Project: “Ex-situ protection and reintroduction of <i>Zingel balcanicus</i> (Karaman, 1937) in the waters of R. Macedonia” Activities performed: Collection of adult fish samples of endemic fish <i>Zingel balcanicus</i> (endemic fish species, present on EU Habitat Directives). Designing the methods for fish breeding in aquaculture. § Preparation of Final Report
27	2013	North Macedonia	Financed by: Government of Swizerland and Government of R. Macedonia	Fish biology expert	Project: Bregalnica River Management Plan Activities performed: Sampling, material processing, identification of present fish fauna, Participating in drafting Progress and Final Reports
28	2013	North Macedonia	Food and Agriculture Organization of the United Nations - REU (Regional Office for Europe	Fishery – TWG - National Coordinator	Project: Support to the Development of National Strategy for Agricultural and Rural Development (NSARD) 2014-2020, TCP/MCD/3403 Activities performed: To Establish a realistic TWG work plan (responsibilities, frequency of meetings, time horizon) according to the overall NSARD working plan and if needed allocate working group members’ responsibilities in data collection/contributions in group activities; Analyse the existing

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					documents and policy materials produced by MAFWE and international donors on the policies and trends in agriculture and rural development policy; Produce written outputs according to the TWG; Provide and present sufficient data and the requested outputs for group discussions; Incorporate the corrections and amend the draft outputs with the comments from the group representatives and other participants in the project; Assure an appropriate level of harmonization of the envisaged outputs with EU Acquis and current pre-accession process; Organize and prepare, in close cooperation with NPC and NSE, TWG meetings, consultations and workshops related to the given sub-sector;
29	2012-2013	North Macedonia	IAS and Institute Ruger Boskovic – Zagreb, Financed by: <i>Ministry of education and science.</i>		Project: „Communities of bacteria and parasites of chub, like environmental indicator in places influenced by mining activities” , Activities performed: Sampling, material processing, identification of present fish fauna, Participating in drafting Progress and Final Reports
Total					

13. Other relevant information: Scientific publications in last years:

2013

- Nastova, R., **Kostov, V.**, Gjorgovska, N. (2013): *Examination of content of heavy metals and pesticides in fish in the accumulation Strezevo in the Republic of Macedonia*, Scientific Papers, Series D Animal Science Vol.LVI, p.354-357
- Nastova, R., Nikolova, N., **Kostov, V.** (2013): *Daphnia test-a shortcut for human health protection assessment*. Scientific Papers, Series D. Animal science. Vol.LVI, p. 349-353
- Simonović P., Tošić A., Vassilev M., Apostolou A., Mrdak D., Ristovska M., **Kostov V.**, Nikolić V., Škraba D., Vilizzi L., and Copp GH. (2013): *Risk assessment of non-native fishes in the Balkans Region using FISK, the invasiveness screening tool for non-native freshwater fishes*. Medit. Mar. Sci., 14 (2): 369-376.

2014

- Sheriban Ramani, Zrinka Dragun, Damir Kapetanović, **Vasil Kostov**, Maja Jordanova, Marijana Erk, Zehra Hajrulai-Musliu. (2014): *Surface Water Characterization of Three Rivers in the Lead/Zinc Mining Region of Northeastern Macedonia*. Archives of Environmental Contamination and Toxicology. May 2014, Volume 66, [Issue 4](#), pp 514–528. **IF 3.399**
- Arsovska, J., Ristovska, M., **Kostov, V.**, Prelic, D. & Slavevska- Stamenkovic, V. (2014): Osteological description of Zingel balcanicus (Teleostei: Percidae). Biologia, 69(12): 1742-1756. **IF 1.139**
- Zrinka Dragun, Vlatka Filipović Marijić, Nesrete Krasnići, Sheriban Ramani, Damir Valić, Katerina Rebok, Damir Kapetaovic Vasil Kostov, Maja Jordanova, Marijana Erk (2014): Koncentracija malondialdehida biomarkera oksidativnog stresa u odabranim organima vardarskog klena iz Rijeke oneciscenih otpadnim vodama rudnika. Strucni sastanak laboratorija ovlascenih za ispitivanjer vpda, Institut Rudzer Boskovic, 2014, Vodice

2015

- Paunović, M., Slavevska-Stamenković, V., Smiljkov, S., Prelić, D., Ristovska, M., **Kostov, V.**, Shoreva, I. & Rimcheska, B. (2015): *The status of the Mantovo Reservoir and Management Perspectives*. Water Research and Management, 5(1): 23-27.
- Josip Barishic, Zrinka Dragun, Sheriban Ramani, Vlatka Filipović Marijić, Nesrete Krasnići, Rozelinda Coz-Rakovac, **Vasil Kostov**, Katerina Rebok, Maja Jordanova, (2015): Evaluation of histopathological alterations in the gills of Vardar chub (*Squalius vardarensis* Karaman) as an indicator of river pollution. Ecotoxicology and Environmental Safety 118 (2015) 158-166. **IF 6.291**
- **Vasil Kostov**, Rodne Nastova , Natasha Gjorgjovska , Irina Ušlinovska , Julijana Arsovska, Milica Ristovska (2015): *First record of common bream, Abramis brama (Linnaeus, 1758), introduced of the Vardar River Basein, Republic of Macedonia*. Macedonian Journal of Animal Science, Vol. 5, No. 2, p-p. 113–118

2016

- Valentina Slavevska-Stamenković, Biljana Rimčeska, Emilija Stojkoska, Nataša Stefanovska, Jelena Hinić, **Vasil Kostov**. (2016): *The catalogue of freshwater Decapoda (Decapoda: Potamonidae, Astacidae, Atyidae) from the Republic of Macedonia in the collection of Macedonian museum of natural history*. Macedonian academy of sciences and arts, Contributions, Section of antural, mathematical and biotechnical sciences, Vol 37, No.2
- Maja Jordanova, Katerina Rebok, Marija Naskovska, **Vasil Kostov**, Eduardo Rocha (2016): *Splenic Pigmented Macrophage Aggregates in Barbel (Barbus peloponnesius, Valenciennes, 1844) from River Bregalnica — Influences of Age, Sex and Season on a Pollution Biomarker*. Turkish Journal of Fisheries and Aquatic Sciences 16: 881- 890 (2016). **IF 1.268**
- **Vasil Kostov**, Milica Ristovska, Julijana Arsovska, Maja Jordanova, Dana Prelik.(2016): Red- bellied piranha Pygocentrus nattereri Kner, 1858 (Characiformes: Serrasalminae) in open waters in R. Macedonia, Ecologica Montenegrina Ecol. Mont., 8, 2016, 64-71 ISSN 2336-9744 (online) | ISSN 2337-0173 (print) The journal is available on line at www.biotaxa.org/em Vol 8 (2016)
- Natasha Gjorgovska, Kiril Filev, Vesna Levkov , Rodne Nastova , **Vasil Kostov**, Srećko Gjorgjievski , Svetlana Grigorova (2016): *Effects of Different Supplement Inclusion of the Enriched Diet on Productive Performance and Egg Structure*. Bulletin UASVM Animal Science and Biotechnologies 73(1)/ 2016.
- Maja Jordanova, Marija Naskovska, **Vasil Kostov**, Katerina Rebok. (2016): “*Macrophage agregates in Brook barbel Barbus peloponnesius spleen as indicators of environmental pollution*”. Macedonian Academy of sciences and arts, Contributions, Section of antural, mathematical and biotechnical sciences. Vol.37.No 2 (2016)
- Maja Jordanova, Katerina Rebok, Zrinka Dragun, Sheriban Ramani, Lizenka Ivanova, **Vasil Kostov**, Damir Valić, Nesrete Krasnići, Vlatka Filipović Marijić, Damir Kapetanović. (2016): *Histopathology investigation on the Vardar chub (Squalius vardarensis) populations captured from the rivers impacted by mining activities*. Ecotoxicology and Environmental Safety. Volume 129, July 2016, Pages 35-42. **IF 6.291**
- Ivanova L., Jordanova M., Dragun Z., Valic D., Krasnici N., Filipovic MV., Kapetanovic D., Ramani Sh., **Kostov V.**, Rebok K., (2016): The effect of metal exposure on melanomacrophage aggregates and their pigment content in the spleen of Vardar Chub (*Squalius vardarensis*), Abstract of book of 5th Congress of Ecologist of the R.Macedonia with international participation, Skopje, Makedonsko Ekolosko Drustvo, 2016, 177-177 (ISBN: 978-9989-648-36-6)
- Svetislav Krstic, Trajce Stafilov, Zoran Zdravkovski, Mitko Kostadinovski, Valentina Slavevska[Stamenkovic, Vasil Kostov (2016): Problems Associated with not Properly Conducted WFD Based monitoring during preparation of River Basin management plans – Bregalnica River case study. Water Research and Management, 6 (2), 35- 43
- Aleksandar Cvetkovic, Branko Angjelkovski, Dijana Blazekovikj- Dimovska, Vasil Kostov, Rodne Nastova, Natasha Gjorgovska, Jovana Stefanovska, Iskra Cvetkovikj (2016): P18 Red mark syndrome in rainbow trout farmed in the Republic of Macedonia: First observation. 7th International Scientific Meeting, Days of Veterinary medicine 2016, Proceedings, 145-146

2017

- Maja Jordanova, Katerina Rebok, Zrinka Dragun, Sheriban Ramani, Lozenka Ivanova, **Vasil Kostov**, Damir Valić, Nesrete Krasnići, Vlatka Filipović Marijić, Damir Kapetanovic. (2017): *Effects of heavy metal pollution on pigmented macrophages in kidney of Vardar chub (Squalius vardarensis Karaman)*. Microscopy research and technique Volume 80, Issue 8 August 2017 Pages 930–935. **IF 2.117**
- Zrinka Dragun, Vlatka Filipović Marijić, Nesrete Krasnići, Sheriban Ramani, Damir Valić, Katerina Rebok, **Vasil Kostov**, Maja Jordanova, Marijana Erk (2017): *Malondialdehyde concentrations in the intestine and gills of Vardar chub (Squalius vardarensis Karaman) as indicator of lipid peroxidation*. Environmental Science and Pollution Research July 2017, Volume 24, Issue 20, pp 16917–16926. **IF 4.306**

- Saša Marić, Simona Sušnik Bajec, Johannes Schöffmann, **Vasil Kostov**, Aleš Snoj. (2017): *Phylogeography of stream-dwelling trout in the Republic of Macedonia and a molecular genetic basis for revision of the taxonomy proposed by S. Karaman*. Hydrobiologia. January 2017, Volume 785, Issue 1, pp 249–260. **IF 2.781**
- Katerina Rebok, Maja Jordanova, Valentina Slavevska-Stamenković, Lozenka Ivanova, **Vasil Kostov**, Trajče Stafilev, Eduardo Rocha. (2017): *Frequencies of erythrocyte nuclear abnormalities and of leucocytes in the fish Barbus peloponnesius correlate with a pollution gradient in the River Bregalnica (Macedonia)*. Environmental Science and Pollution Research, April 2017, Volume 24, Issue 11, pp 10493–10509. **IF 4.306**
- Marina Piria, Predrag Simonović, Eleni Kalogianni, Leonidas Vardakas, Nicholas Koutsikos, Davor Zanella, Milica Ristovska, Apostolos Apostolou, Avdul Adrović, Danilo Mrdak, Ali Serhan Tarkan, Dragana Milošević, Linda N Zanella, Rigers Bakiu, Güler Ekmekçi, Metka Povž, Kastriot Korro, Vera Nikolić, Rifat Škrijelj, **Vasil Kostov**, Andrej Gregori, Michael K Joy. (2017): *Alien freshwater fish species in the Balkans—Vectors and pathways of introduction*, Fish and Fisheries, 2017, 1-32, **IF 6.785**
- Milica Ristovska, Julijana Arsovska, Vasil Kostov, Aleksandra Cvetkovska Georgievska, Dana Prelic, Kristina Radevska (2017): First record of Black Bullhead Ameiurus melas (Pisces, Ictaluridae) in the Republic of Macedonia, Macedonian Journal of Ecology and Environment, Vol 19, issue 1, pp. 28-35, 2017.

2018

- Nesrete Krasnići, Zrinka Dragun, Marijana Erk, Sheriban Ramani, Maja Jordanova, Katerina Rebok, **Vasil Kostov** (2018): Size-exclusion HPLC analysis of trace element distributions in hepatic and gill cytosol of Vardar chub (*Squalius vardarensis* Karaman) from mining impacted rivers in north-eastern Macedonia, Science of the Total Environment 613–614 (2018) 1055–1068, **IF 7.963**

2019

- Zrinka Dragun, Natasa Tepic, Sheriban Ramani, Nesrete Krasnici, Vlatka Filipovic- Marijic, Damir Valic, Damir Kapetanovic, Marijana Erk, Katerina Rebok, **Vasil Kostov**, Maja Jordanova (2019): Mining waste as a cause of increased bioaccumulation of highly toxic metals in liver and gills of Vardar chub (*Squalius vardarensis* Karaman, 1928), Environmental Pollution 247 (2019) 564e576, **IF 6.792**
- Katerina Rebok, Maja Jordanova, Valentina Slavevska-Stamenkovic, Lozenka Ivanova, **Vasil Kostov**, Trajče Stafilev, Eduardo Rocha (2019): Frequencies of erythrocyte nuclear abnormalities and of leucocytes in the fish *Barbus peloponnesius* correlate with a pollution gradient in the River Bregalnica (Macedonia) Environ Sci. Pollut. Res. (2019) 24:10493– 10509, **IF 4.306**
- Krasnići Nesrete, Dragun Zrinka, Kazazić Snježana, Muharemović Hasan, Erk Marijana, Jordanova Maja, Rebok Katerina, **Kostov Vasil** (2019): Characterization and identification of selected metal-binding biomolecules from hepatic and gill cytosols of Vardar chub (*Squalius vardarensis* Karaman, 1928) by various techniques of liquid chromatography and mass spectrometry, Metallomics, 2019, DOI: 10.1039/C9MT00036D, **IF 3.796**

2020

- **Kostov, V.**, Slavevska-Stamenkovic, V., Ristovska, M., Stojov, V. & Marić, S. (2020). Characteristics of the Danube Drainage Area in the *Human Impact on Danube Watershed Biodiversity in the XXI Century* (pp. 381-392). Springer, Cham.
- Lozenka Ivanova, Katerina Rebok, Maja Jordanova, Zrinka Dragun, **Vasil Kostov**, Sheriban Ramani, Damir Valic, Nesrete Krasnici, Vlatka Filipovic Marijic, Damir Kapetanovic (2020) “The effect of different pollutants exposure on the pigment content of pigmented macrophage aggregates in the spleen of Vardar chub (*Squalius vardarensis* Karaman, 1928)” Microsc Res Tech. 2020;83:1141–1152. DOI: 10.1002/jemt.23506. **IF 2.0**

2021

- Arsovska, J., Ristovska, M., Simonović, P., **Kostov V.**, and Slavevska-Stamenković V. (2021): First data on the structure of the vertebral column in *Gobio* and *Romanogobio* species (Cyprinidae, Gobioninae) from Ohrid Lake and Vardar River Basin. Acta Ichthyologica et Piscatoria 51, 37. **IF 0.928**
- Lorenzo Vilizzi, Gordon H. Copp, Jeffrey E. Hill, Boris Adamovich, Luke Aislabie, Abbas J. Al-Faisal, David Almeida, Rigers Bakiu, Renée Bernie, Jason M. Bies, Gökçen Bilge, Thuyet D. Bui, João Canning-Clode, Henrique Anatole Cardoso Ramos, Gustavo A. Castellanos-Galindo, Ratcha Chaichana, Paula Chainho, Joleen Chan, Amelia Curd, Punyanuch Dangchana, Dimitriy Dashinov, Phil I. Davison, Jennifer A. Dodd, Allison L. Durland Donahou, F. Güler Ekmekçi, Jessica Elphinstone- Davis, Tibor Erős, Gemma Fenwick, Árpád Ferencz, Halit Filiz, João Gama Monteiro, Ignacio Gestoso, Daniela Giannetto, Allan S. Gilles, Branko Glamuzina, Luka Glamuzina, Jéscia Goldsmit, Stephan Gollasch, Philippe Goulletquer,

Joanna Grabowska, Rogan Harmer, Dekui He, Jeffrey W. Hean, Kimberly L. Howland, Ali İlhan, Elena Interesova, Katarína Jakubčinová, Anders Jelmert, Tomasz Kakareko, Kamalaporn Kanongdate, Nurçin Killi, Jeong-Eun Kim, Şerife Gülsün Kirankaya, Dominika Kňazovická, Oldřich Kopecký, **Vasil Kostov**, Nicholas Koutsikos, Sebastian Kozic, Yoshihisa Kurita, Irmak Kurtul, Lorenzo Lazzaro, Laura Lee, Maiju Lehtiniemi, Shan Li, Tatsiana Lipinskaya, Fei Liu, Lance Lloyd, Massimo Lorenzoni, Sergio Alberto Luna, Timothy J. Lyons, Kit Magellan, Agnese Marchini, Sean M. Marr, Gérard Masson, Laurence Masson, Cynthia H. McKenzie, Daniyar Memedemin, Roberto Mendoza, Dan Minchin, Laurence Miossec, Seyed Daryoush Moghaddas, Levan Mumladze, Rahmat Naddafi, Aurel Năstase, Ion Năvodaru, J. Wesley Neal, Sarah Nienhuis, Matura Nintim, Emma T. Nolan, Anna Occhipinti-Ambrogi, Henn Ojaveer, Sergej Olenin, Karin Olsson, Norio Onikura, Daniele Paganelli, Richard Thomas B. Pavia Jr., Michèle Pelletier-Rousseau, Elfrizson M. Peralta, Costas Perdikaris, Marina Piria, Sophie Pitois, Laura Pompei, Nicolas Poulet, Cristina Preda, Riikka Punttila-Dodd, Hossein Rahmani, Milica Ristovska, Viktor Rizevsky, D. Ross Robertson, Peter Robertson, Laura Ruykys, José M. Santos, Hasan M. Sari, Vitaliy Semenchenko, Wansuk Senanan, Nathalie Simard, Predrag Simonović, Michał E. Skóra, Evangelia Smeti, Tereza Šmídová, Greta Srébalienė, Gianluca Stasolla, Paul Stebbing, Barbora Števo, Kristína Švolíková, Kieu Anh T. Ta, Ali Serhan Tarkan, Thomas W. Therriault, Hannah J. Tidbury, Nildeniz Top, Elena Tricarico, Débora F. A. Troca, Konstantinos Tsiamis, Quenton M. Tuckett, Pero Tutman, Umut Uyan, Eliza Uzunova, Leonidas Vardakas, Hugo Verreycken, Lizaveta Vintsek, Hui Wei, András Weiperth, Olaf L. F. Weyl, Emily R. Winter, Louisa E. Wood, Ruibin Yang, Sercan Yapıcı, Shayne S. B. Ye, Baran Y. Öğurtçuoğlu, Yunjie Zhu, Grzegorz Zięba, Kristína Žitňanová and Stacey Clarke (2021): *A global-screening of non-native aquatic organisms to identify potentially invasive species under current and future climate conditions (2021)*: Science of the Total Environment, **IF 7.963**

- David Almeida, Usman Atique, Zainab Al-Wazzan, Rigters Bakiu, Tea Basic, Thuyet D. Bui, João Canning-Clode, Nuno Castro, Ratcha Chaichana, Tülin Çoker, Dimitriy Dashinov, F. Güler Ekmekçi, Tibor Eroš, Arpad Ferincz, Teresa Ferreira, Daniela Giannetto, Allan S. Gilles Jr., Łukasz Głowacki, Philippe Gouletquer, Elena Interesova, Sonia Iqbal, Katarína Jakubčinová, Kamalaporn Kanongdate, Jeong-Eun Kim, Oldřich Kopecký, **Vasil Kostov**, Nicholas Koutsikos, Sebastian Kozic, Petra Kristan, Yoshihisa Kurita, Hwang-Goo Lee, Rob S.E.W Leuven, Tatsiana Lipinskaya, Juliane Lukas, Agnese Marchini, Ana Isabel González Martínez, Laurence Masson, Daniyar Memedemin, Seyed Daryoush Moghaddas, João Monteiro, Levan Mumladze, Rahmat Naddafi, Ion Năvodaru, Karin H. Olsson, Norio Onikura, Daniele Paganelli, Richard Thomas Pavia Jr., Costas Perdikaris, Renanel Pickholtz, Dariusz Pietraszewski, Meta Povž, Cristina Preda, Milica Ristovska, Karin Rosíková, José Maria Santos, Vitaliy Semenchenko, Wansuk Senanan, Predrag Simonović, Evangelia Smeti, Barbora Števo, Kristína Švolíková, Kieu Anh T. Ta, Ali Serhan Tarkan, Nildeniz Top, Elena Tricarico, Eliza Uzunova, Leonidas Vardakas, Hugo Verreycken, Grzegorz Zięba, Roberto Mendoza (2021): *Speaking their language – Development of a multilingual decision-support tool for communicating invasive species risks to decision makers and stakeholders*, Environmental modelling and software 135 (2021) 104900, **IF 5.288**.
- **Kostov V.** Manevska I. Arsovska J. Manasievska Simić S. (2021). “Length – weight relationship and condition factor of the endangered and endemic prespa trout (*Salmo peristericus Karaman, 1938* from Leva River, Kranska River and Brajcinska River”, *Macedonian Journal of Animal Science*, Vol. 11, No. 1–2, pp. 59–67.
- Lozenka Ivanova, Katerina Rebok, Maja Jordanova, Zrinka Dragun, **Vasil Kostov**, Sheriban Ramani, Damir Valić, Nesrete Krasnići, Vlatka Filipović Marijić, Damir Kapetanović (2021) “Effects of water contamination with heavy metals on pigmented macrophages in spleen of Vardar chub (*Squalius vardarensis Karaman*) from three rivers in the North-Eastern region of North Macedonia” *Periodicum Biologorum* 123(3-4):55-64, DOI: [10.18054/pb.v123i3-4.10421](https://doi.org/10.18054/pb.v123i3-4.10421)

2023

- Vlatka Filipović Marijić, Nesrete Krasnići, Damir Valić, Damir Kapetanović, Irena Vardić Smrzlić, Maja Jordanova, Katerina Rebok, Sheriban Ramani, **Vasil Kostov**, Rodne Nastova, Zrinka Dragun (2023) “Pollution impact on metal and biomarker responses in intestinal cytosol of

2024

- Manevska I., Panchevski I., Kostova M., Atanasova Panchevska N., Kostov V. (2024). “*Influence of probiotic supplemented feed on growth rate in common carp (Cyprinus carpio L.) in intensive cage system*”, (2024), Macedonian Journal of Animal Science. <http://www.mjas.ukim.edu.mk>
- Manevska I., Pancevski I., Pancevska N., Arsovska J., Kostov V., “*Influence of Probiotic Feed Addition on Common Carp (Cyprinus carpio) meat chemical composition*”. (2024), NUTRICON Food Quality and Safety, Health and Nutrition, Journal in 2024.
- Manevska I., Kostov V., Pancevski I. & Atanasova-Pancevska N., “*Influence of dietary probiotic on welfare and feed conversion ratio on common carp (Cyprinus carpio) reared in intensive cage system*” (2024).. <https://acta-zoologica-bulgarica.eu/supplement-20-2024/Issue> frequency: 4 per year | **ISI Impact Factor (2023) = 0.4**
- Kostov V., Manevska I., Arsovska J., Velkova-Jordanoska L., Blazhekovikj-Dimovska D., Stojanovski S., “*Biological, ecological and taxonomic characteristics of the species Pelasgus minutus (Karaman, 1924) from Belchishko Blato, Republic of North Macedonia*” (2024). <https://acta-zoologica-bulgarica.eu/supplement-20-2024/Issue> frequency: 4 per year, **ISI Impact Factor (2023) = 0.4**
- Ford, M. & Kostov, V. 2024. *Zingel balcanicus*. *The IUCN Red List of Threatened Species* 2024: e.T60334A137341205. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T60334A137341205.en>.
- Jelena Hinić-Jordanovska, Valentina Slavevska-Stamenković, **Vasil Kostov** , Irina Manevska, Stojmir Stojanovski & Dijana Blazhekovikj-Dimovska. (2024): “Effects of coal mining activities and photovoltaic power plant operation towards the macroinvertebrate community in Oslomej reservoir and river Temnica (R. North Macedonia)”. International Conference Adriatic Biodiversity Protection - AdriBioPro2024 01-04 October 2024, Kotor, Montenegro, Book of Abstracts 26. Journal Full text in press.
- Irina Manevska, Jelena Hinić-Jordanovska, Marija Kostova , Valentina Slavevska-Stamenković & Vasil Kostov. (2024), “Ecological research of ichthyofauna and benthic fauna in Kozjak reservoir”. International Conference Adriatic Biodiversity Protection - AdriBioPro2024 01-04 October 2024, Kotor, Montenegro, Book of Abstracts 28, Journal Full text in press.

2025

- Irina Manevska & Vasil Kostov “Probiotic enriched food influence on Fulton coefficient and body weight of Common carp (*Cyprinus carpio*) reared in intensive cage system”.. International Conference „KRMIVA 2025“, 26-28.05.2025, Opatija, Croatia. Poster presentation of scientific paper titled: Journal Full text in press.

Recent Congresses, seminars and workshops activities:

1. 6th EUSAIR FORUM of the EU Strategy for the Adriatic and Ionian Region. Pillar I- Blue Growth. Slovenia, Izola, on 11-12 May 2021. “Sustainable Strategies for Blue Growth and Innovation”. Participation with presentation topic titled as: “*Usage and impact of probiotics added to Carp feed (bred in cage systems)*”.
2. FAO Regional Office for Europe and Central Asia, the University of South Bohemia in České Budějovice and Global Change Research Institute of the Czech Academy of Sciences (CzechGlobe). *Online Workshop on Aquatic Ecosystem Conservation and the Sustainable Development Approach to Inland Fisheries Management (21-23 September 2021) - GCP/RER/060/CEH*

3. FAO TCP/RER/3706, онлајн работилница одржана на 24.11.2021 од страна на Регионална кацеларија за Европа и Централна Азија (РЕУ), под наслов: "Good Practices Guideline for Data Collection Systems in Support of Sustainable Inland and Recreational Fisheries in the West Balkans".
4. HERBAL MEDICINE PLANTS IN LIVESTOCK PRODUCTION-Islamic Azad University, Qaemshahr Branch, Iran.2022
5. Israel Chamber of Commerce of the Fillippines 2023. AQUACULTURE CONGRESS ONLINE "Spotlight on Israeli Tech to Meet the Rising Food Demand".
6. Academia Shipan Lighthouse-Croatia. May 7-10 2023. International Workshop for Islands Development, Sustainability and Best Practices. Presentation for aquaculture best practices titled: "Alternative eco approach in freshwater aquaculture Environmentally Friendly and Sustainable Aquaculture".
7. Congress participation: NUTRICON Food Quality and Safety, Health and Nutrition 2023. Ohrid, Macedonia. Oral presentation of scientific article titled: "Influence of Probiotic Feed Addition on Common Carp (*Cyprinus carpio*) meat chemical composition". Manevska I., Pancevski I., Pancevska N., Arsovska J., Kostov V. (2023). Issued in NUTRICON Book of Abstracts June, 2023. Journal Full text paper in press.
8. International Conference 27.09.-29.09.2023:"ONE HEALTH AND ZOOLOGY", Hyssaria - Bulgaria. "Ichthyofauna of Belcisko blato" - Irina Manevska, Julijana Arsovska, Lidija Velkova-Jordanoska, Dijana Blazhekovikj-Dimovska, Stojmir Stojanovski, Vasil Kostov. "Influence of dietary probiotic on welfare and feed conversion ratio on common carp (*Cyprinus carpio*) reared in intensive cage system" Irina Manevska, Ivica Pancevski, Natalija Atanasova-Pancevska , Julijana Arsovska, Vasil Kostov and "Biological, ecological and taxonomic characteristics of the species *Pelagius minutus* (Karaman, 1924) from Belchishko Blato, Republic of North Macedonia" Vasil Kostov, Julijana Arsovska, Lidija Velkova-Jordanoska, Dijana Blazhekovikj-Dimovska, Stojmir Stojanovski. Oral presentation.
9. FAO WORKSHOP 08-14.10.2023: INLAND FISHERIES MANAGEMENT AND AQUATIC BIODIVERSITY CONSERVATION. University of South Bohemia, Faculty of Fisheries and Protection of Waters-Research Center CENAKVA. Vodnany, Ceske Budejovice.
10. International Conference Adriatic Biodiversity Protection - AdriBioPro2024 01-04 October 2024, Kotor, Montenegro, Book of Abstracts 26. "Effects of coal mining activities and photovoltaic power plant operation towards the macroinvertebrate community in Oslomej reservoir and river Temnica (R. North Macedonia)". Jelena Hinić-Jordanovska, Valentina Slavevska-Stamenković , Vasil Kostov, Irina Manevska, Stojmir Stojanovski & Dijana Blazhekovikj-Dimovska.
11. International Conference Adriatic Biodiversity Protection - AdriBioPro2024 01-04 October 2024, Kotor, Montenegro, Book of Abstracts 28. "Ecological research of ichthyofauna and benthic fauna in Kozjak reservoir". Irina Manevska, Jelena Hinić-Jordanovska, Marija Kostova , Valentina Slavevska-Stamenković & Vasil Kostov.
12. International Conference „KRMIVA 2025“, 26-28.05.2025, Opatija, Croatia. "Probiotic enriched food influence on Fulton coefficient and body weight of Common carp (*Cyprinus carpio*) reared in intensive cage system". Irina Manevska & Vasil Kostov.

I, the undersigned, certify that to the best of my knowledge and belief, the data provided above correctly describes my qualifications, my experiences, and other relevant information about myself.



Signature of Personnel

22.05.2025

Date (Day/Month/Year)