

## CURRICULUM VITAE

**Family name:** Bukvareva

**First names:** Elena

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Education:

Institution:	Moscow State University, Biological Faculty
Date:	1978 to 1983
Degree obtained:	Degree of high education in the field of biology (zoology and botany)

Institution:	A.N. Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences
Date:	1993 - 2014
Degree obtained:	PhD in biology

Institution:	A.N. Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences
Date:	-2014
Degree obtained:	Doctor of sciences in biology

**Present position : Biodiversity Conservation Center, Moscow – scientific leader of the project TEEB-Russia**

Professional Experience Record:

Dates:	1983-2015
Location:	Russia
Company:	A.N. Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences
Position:	Analyst – senior researcher
Description:	Investigations on the field of theoretical aspects of biodiversity conservation Collaboration in National Strategy of Biodiversity Conservation in Russia (2001) and Ecological Doctrine of the Russian Federation (2002)

Dates:	1982-1983, particular projects - until now
Location:	Russia
Company:	Moscow State University, Biological Faculty, Laboratory of Nature Protection
Position:	Analyst, designer and author of educational materials
Description:	Elaboration and creation educational games (printed and electronic) on nature protection for schools, colleges and institutes of higher education

Dates:	2016-2019
Location:	IPBES
Company:	IPBES
Position:	Lead author of IPBES assessments
Description:	<ul style="list-style-type: none"> <li>a) The IPBES regional assessment report on biodiversity and ecosystem services for Europe and Central Asia.</li> <li>b) The IPBES global assessment report on biodiversity and ecosystem services. Chapter 4</li> </ul>

Dates:	2013-today
Location:	Russia
Company:	Biodiversity Conservation Center, Moscow
Position:	Scientific leader of the project TEEB-Russia
Description:	Statement of project tasks, selection of experts to complete tasks, writing sections and general scientific editing of the Prototype of National Report on Ecosystem Services of Russia, V1 and V 2

## The main publications:

- Алещенко Г.М., Букварева Е.Н. Модель фенотипического разнообразия популяции в случайной среде // Журн. общ. биол., 1991, Т.52, № 4, с. 499-508.
- Букварева Е.Н., Алещенко Г.М. Принцип оптимального разнообразия биосистем // Успехи современной биологии, 2005, Т.125. № 4. С. 337-348
- Pavlov, D. S., & Bukvareva, E. N. (2007). Biodiversity and life support of humankind. Herald of the Russian Academy of Sciences, 77(6). <https://doi.org/10.1134/S1019331607060020>
- Pavlov, D. S., Striganova, B. R., & Bukvareva, E. N. (2010). An environment-oriented concept of nature use. Herald of the Russian Academy of Sciences, 80(1). <https://doi.org/10.1134/S1019331610010107>
- Aleshchenko, G. M., & Bukvareva, E. N. (2010). Two-level hierarchical model of optimal biological diversity. Biology Bulletin, 37(1). <https://doi.org/10.1134/S1062359010010012>
- Pavlov D.S. and Bukvareva E.N. Climate\_Regulating Functions of Terrestrial Ecosystems and an “Ecologocentric” Concept of Nature Management // Biology Bulletin Reviews, 2012, Vol. 2, No. 2, pp. 105–123.
- Bukvareva E.N., Aleshchenko G.M. The Principle of Optimal Biodiversity and Ecosystem Functioning // International Journal of Ecosystem 2012, 2(4): 78-87.
- Букварева Е.Н., Алещенко Г.М. 2013. Принцип оптимального разнообразия биосистем. М.: КМК-Товарищество научных изданий. 522 с.
- Bukvareva E., Aleshchenko G. Optimization, Niche and Neutral Mechanisms in the Formation of Biodiversity // American Journal of Life Sciences. 2013. V. 1. No. 4. P. 174-183. doi: 10.11648/j.ajls.20130104.16
- Bukvareva E. (2014). The Summary of the Principle of Optimal Diversity of Biosystems. LAP Lambert Academic Publishing.
- Bukvareva E., Grunewald K., Bobylev S., Zamolodchikov D., Zimenko A., B. O. (2015). The current state of knowledge of ecosystems and ecosystem services in Russia: A status report. AMBIO, 44(6), 491–507. <https://doi.org/10.1007/s13280-015-0674-4>
- Bukvareva, E., Zamolodchikov, D., Kraev, G., Grunewald, K., & Narykov, A. (2017). Supplied, demanded and consumed ecosystem services: Prospects for national assessment in Russia. Ecological Indicators, 78. <https://doi.org/10.1016/j.ecolind.2017.03.034>
- Bukvareva, E. (2017). The optimal biodiversity—A new dimension of landscape assessment. Ecological Indicators. <https://doi.org/10.1016/J.ECOLIND.2017.04.041>
- Bukvareva, E. N., Zamolodchikov, D. G. (Eds.). (2018). Ecosystem services of Russia: Prototype National Report. Vol. 1. Terrestrial ecosystems services. Adapted English version of the report, originally published in Russian in 2016. Moscow: BCC Press. [http://teeb.biodiversity.ru/publications/Ecosystem-Services-Russia\\_V1\\_eng\\_web.pdf](http://teeb.biodiversity.ru/publications/Ecosystem-Services-Russia_V1_eng_web.pdf)
- Díaz, S., Pascual, U., Stenseke, M., Martín-López, B., Watson, R. T., Molnár, Z., ... Shirayama, Y. (2018). Assessing nature's contributions to people: Recognizing culture, and diverse sources of knowledge, can improve assessments. Science, 359(6373). <https://doi.org/10.1126/science.aap8826>
- IPBES (2018): The IPBES regional assessment report on biodiversity and ecosystem services for Europe and Central Asia. Rounsevell, M., Fischer, M., Torre-Marin Rando, A. and Mader, A. (eds.). Secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, Bonn, Germany. 892 pages.
- Bukvareva, E., Zamolodchikov, D., & Grunewald, K. (2019). National assessment of ecosystem services in Russia: Methodology and main problems. Science of the Total Environment, 655, 1181–1196. <https://doi.org/10.1016/j.scitotenv.2018.11.286>
- Y.-J. Shin et al.; IPBES Global Assessment on Biodiversity and Ecosystem Services, “Chapter 4: Plausible futures of nature, its contributions to people and their good quality of life” in Global Assessment Report on Biodiversity and Ecosystem Services of the Intergovernmental Science—Policy Platform on Biodiversity and Ecosystem Services, E. S. Brondizio, Ed. et al. (IPBES Secretariat, Bonn, Germany, 2019), pp. 1–264. [http://www.ipbes.net/sites/default/files/ipbes\\_global\\_assessment\\_chapter\\_4\\_unedited\\_31may.pdf](http://www.ipbes.net/sites/default/files/ipbes_global_assessment_chapter_4_unedited_31may.pdf)
- Bukvareva, E.N., Sviridova, T. V. (Eds.). (2020). Ecosystem services of Russia: prototype national report. Volume 2. Biodiversity and ecosystem services: accounting principles in Russia. Moscow: BCC Press. [http://teeb.biodiversity.ru/publications/Ecosystem-Services-Russia\\_V2\\_eng\\_web.pdf](http://teeb.biodiversity.ru/publications/Ecosystem-Services-Russia_V2_eng_web.pdf)
- Arneeth A, Shin YJ, Leadley P, Rondinini C, Bukvareva E, Kolb M, Midgley GF, Oberdorff T, Palomo I, Saito O. 2020. Post-2020 biodiversity targets need to embrace climate change. Proc Natl Acad Sci USA: 117(49):30882-30891. doi: 10.1073/pnas.2009584117.