

го для всех. Повсеместное внедрение частно-государственного партнерства на принципах саморегулирования будет способствовать возрождению в стране биотехнологии, и продукция биотехнологической отрасли вернется

на мировой рынок в качестве полноправного конкурентоспособного партнера, обеспечивая тем самым защиту национальных интересов и технологический суверенитет нашего государства. ■

Статья поступила  
в редакцию 10.04.2023

# Biotechnology as the Basis of Sustainable Development

V.V. Pomazanov<sup>1</sup>, SEI HE Moscow Region State University of Humanities and Technology (SEI HE GGTU), Prof. Dr. (Tech.), allya2005@yandex.ru

V.A. Kiseleva<sup>2</sup>, SEI HE GGTU, Assoc. Prof. PhD (Med.), farmgogi@mail.ru

S.G. Mardanly<sup>1</sup>, SEI HE GGTU, Prof. Dr. (Med.), ekolab-president@mail.ru

<sup>1</sup> Professor of Pharmacy Faculty, Orekhovo-Zuevo, Moscow Region, Russia

<sup>2</sup> Dean of Pharmacy Faculty, Orekhovo-Zuevo, Moscow Region, Russia

**Citation:** Pomazanov V.V., Kiseleva V.A., Mardanly S.G. Biotechnology as the Basis of Sustainable Development, *Kompetentnost' / Competency (Russia)*, 2023, no. 7, pp. 34–39. DOI: 10.24412/1993-8780-2023-7-34-39

## key words

biotechnological products,  
bioindustry, self-regulatory  
organizations, public-private  
partnership in SRO format

We have reviewed the main stages in the development of biotechnology in the Soviet Union and post-perestroika Russia: the formation of the industry in the 60s and 70s; its heyday and international recognition in the 80s; the decline and ruin of biotechnology enterprises and research institutes in the perestroika 90s and the beginning of a difficult revival in the first decade of the new 21st century.

We know that biotechnology is an important factor in achieving sustainable development, recognized by the UN General Assembly as the basis for building a better and more sustainable future for all. We are confident that the development of public-private partnership in the self-regulatory organization format will help the Russian Federation to successfully and fully revive biotechnology in the coming decades and the products of the biotechnological industry will return to the world market as a full-fledged competitive partner, thereby ensuring the protection of national interests and the technological sovereignty of our state.

## References

1. Vasilov R.G.; biorosinfo.ru/upload/file...in\_russia\_vasilov.pdf.
2. Vasilov R.G., Lepskiy V.E., *Col. of materials of the forum Biotechnology and society*, Moscow, Izdatel'stvo Kogito-Tsentr, 2010, 159 P.
3. Vasilov R.G., Reshetilov A.N., Shestakov A.I., *Priroda*, 2013, no. 12(1180), pp. 65–70.
4. Morozov V.E., Aleynikov A.A., Smirnova O.V., *Energiya, ekonomika, tekhnika, ekologiya*, Moscow, Nauka, 2019, no. 8, pp. 4–14.
5. Medvedev Yu., *Rossiyskaya gazeta — Federal'nyy vypusk*, 2009, no. 235(5059).
6. Vasilov R.G., *Vestnik biotekhnologii i fiziko-khimicheskoy biologii im. Yu.A. Ovchinnikova*, 2008, vol. 4, no. 1, pp. 28–32.
7. Gaeva T.N., Vasilov R.G., *Vestnik biotekhnologii i fiziko-khimicheskoy biologii im. Yu.A. Ovchinnikova*, 2014, vol. 10, no. 2, pp. 35–42.
8. Vasilov R.G., *Vestnik biotekhnologii i fiziko-khimicheskoy biologii im. Yu.A. Ovchinnikova*, 2012, vol. 8, no. 1, pp. 63–67.
9. Gladyshev S., *Nasha versiya*, 2020, no. 35; <https://versia.ru/kto-i-dlya-chego-unichtozhil-mikrobiologicheskuyu-promyshlennost-sssr>.
10. Balashov A.I., Trigolos O.V., *Ekonomicheskoe vozrozhdenie Rossii*, 2014, no. 3(41), pp. 57–65.
11. Pomazanov V.V., *Kompetentnost'*, 2011, no. 4–5, pp. 42–47.
12. Pomazanov V.V., Pishchikov D.I., Borzov V.I., *Kompetentnost'*, 2012, no. 2, pp. 38–40.
13. Pomazanov V.V., *Kompetentnost'*, 2014, no. 6, pp. 43–48.
14. Pomazanov V.V., Lityaeva N.I., Shol' E.I., *Kompetentnost'*, 2015, no. 2, pp. 18–23.
15. Pomazanov V.V., Kiseleva V.A., Lityaeva N.I., Shol' E.I., *Kompetentnost'*, 2016, no. 3, pp. 38–41.
16. Pomazanov V.V., Mardanly S.G., Kiseleva V.A., *Kompetentnost'*, 2020, no. 4, pp. 35–41.
17. Pomazanov V.V., Mardanly S.G., Kiseleva V.A., *Izvestiya GGTU*, 2020, no. 1, pp. 32–45.
18. Pomazanov V.V., Mardanly S.G., Kiseleva V.A., *Izvestiya GGTU*, 2021, no. 2, pp. 92–104.
19. Bykanov N.S., Ishchenko V.A., Lityaeva N.I., *Kompetentnost'*, 2015, no. 6, pp. 38–43.
20. RF Government Decree of 28/02/2018 N 337-r On development of biotechnologies and genetic engineering for 2018–2020.
21. RF Federal Law of 1/12/2007 N 315-FZ On self-regulatory organizations.