

## FROM THE EDITORIAL BOARD

“A country with a clean environment and green growth” is one of the five national priorities for the socio-economic development of Azerbaijan, scheduled to be implemented by 2030. Following this priority, intensive work is being carried out to improve the environment, restore and increase greenery, and ensure the efficient use of land and water resources, and sustainable energy sources. As a continuation of the above activities, 2024 was declared the “Green World Solidarity Year” in the country by the President of the Republic of Azerbaijan.

By the unanimous decision of the world community, the 29th session of the Conference of the Parties to the UN Framework Convention on Climate Change (COP29) was held with great success in the Republic of Azerbaijan on November 11-22, 2024. It was also remembered for very important historical decisions related to science.

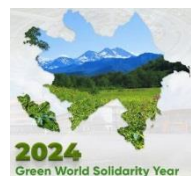
Along with other factors, the special role of fundamental and applied science, as well as high technologies, was repeatedly emphasized during COP29 at events attended by relevant international, regional, and national organizations, specialists, and experts. These events focused on addressing global environmental, food, biosecurity, and health issues, as well as combating and mitigating the effects of climate change.

COP29 has once again demonstrated that solving climate-related issues today requires complex scientific and multidisciplinary approaches in defining research directions and planning, and that, along with technological advances for research and innovation, there is a need for effective decision-making and the creation of a favorable environment for research through adequate capacity and technical support.

During the year, international and local



**COP29**  
Baku  
Azerbaijan



scientific conferences, symposiums, seminars, exhibitions, etc. related to the "Green World Solidarity Year" and COP29 were held in the Republic of Azerbaijan, and books, articles, special issues of scientific journals, etc. were published.

There is no doubt that all of this will significantly support the development of Azerbaijani science and education in such areas as ecological restoration, modern study, protection and efficient use of all branches of biodiversity, including at the molecular-genetic level, combating climate change and its consequences, agriculture, food and nutrition security, "green energy", etc.

The Republic of Azerbaijan, with its constantly growing human capital, economic power, scientific and technological potential, will optimally achieve all the established "green" priorities, Sustainable Development Goals related to the environment and biodiversity, and the effective implementation of the commitments, slogans and decisions of COP29 at the national level in the shortest possible time. It will also become a "country of clean environment and green growth."

The aforementioned topics, the "Green World Solidarity Year," and COP29 are the focus of the current special issue of the *Journal of Life Sciences & Biomedicine*, one of the leading publications in Azerbaijan on related sciences.

Fourteen scientific research and review articles from Azerbaijan and abroad in relevant scientific fields were selected and included in the special issue of the journal.

**Sincerely,**

**academician Irada Huseynova,  
Deputy Editor-in-Chief**