

# Professor of SibFU to coordinate work of SETAC in Siberia

Doctor of Physical and Mathematical Sciences, a leading researcher of the Institute of Biophysics of Krasnoyarsk Scientific Center of the Siberian Branch of the Russian Academy of Sciences, Professor of Siberian Federal University Nadezhda Kudryasheva was elected to be a coordinator of the Siberian regional branch of the international environmental society [SETAC](#).



According to **Nadezhda Kudryasheva**, the aim of the Siberian regional branch of SETAC is the inclusion of our region into the global information space.

*"Recently there has been a growing concern about the environmental situation in our region and increased citizens social activity in the field of environmental protection. The Siberian Branch of SETAC is able to help this movement to reach professional level, that is essential for all participants — from civic initiative groups to the government and representatives of large business ", — says the ecologist.*

In Professor's opinion, it is important that the assessment of the ecological state of the territories includes not only chemical but also biological methods of analysis in accordance with international practice: *"In the conditions of such city as Krasnoyarsk we can observe a disparity between the results of chemical and biological analyzes: biological indicators demonstrate the deterioration of the situation in contrast with average and even good indexes of the chemical analysis. This happens due to the fact that, first of all, it is impossible to analyze all chemical contaminants, and, secondly, the influence on living organisms (plants, animals, humans) is not just a sum of the effects of all chemical pollutants, therefore, it is impossible to predict the biological effect of complex chemical mixtures. In addition, unfortunately, it is easy to manipulate the results of the chemical analysis in order to make a positive environmental report".*

During the first telethon devoted to the Year of the Ecology in Russia, which took place on December 6, 2016 in the International news agency Russia Today, Russian branch of SETAC announced a proposal to the legislative and executive bodies of the Russian Federation to modernize the system of assessing the ecological state of the territories. Among other things, there are scientific prerequisites for introduction of biological methods into ecological practice in Krasnoyarsk. Thus, local biophysicists are actively promoting methods of biotesting and bioindication. It is essential for biological methods to be used officially by the authorities responsible for making decisions.

The youth division of the Siberian Branch of SETAC also includes postgraduate student of SibFU Elizaveta Baygina and student of SibFU Ekaterina Kovel.

## Note

SETAC (Society of Environmental Toxicology and Chemistry) — is the largest international non-profit organization of professional ecologists which was established in 1979. In 2013, the Russian branch of the SETAC was founded, which united the number of countries from the former Soviet Union. From the beginning of the current year, its regional branches, including

Siberian branch, started to work. Nowadays SETAC has more than 6,000 members from the majority of the developed countries of the world.

*[Press Office of SibFU](#), 7 february 2017*

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