

Public Awareness

One of the priority areas of activity of Samara State Technical University is the formation of an environmental culture and the introduction of "green" practices into the activities of universities. The university actively replicates its best practices in this area as a member of the Association of Green Universities of Russia, which it joined in 2022. According to the results of the rating conducted by the Association of Green Universities of Russia in 2023, Samara State Technical University entered the Top 6 environmentally-oriented universities in the country.

The driving force behind the promotion of the idea of an environmentally responsible lifestyle, environmental education and culture is the EcoClub "Life" of Samara State Technical University. In 2023, the EcoClub "Life" entered the Top 3 of the rating of student communities of the "Green League" of the PPC of the Russian Environmental Society - a network of student environmental university clubs designed to form a youth environment for uniting, educating and career guidance of students in the field of waste management and supporting eco-volunteer initiatives. In 2023, EcoClub "Life" launched 8 projects: "Sustainable Development of Samara State Technical University. Waste", "Eco-guard", "Eco-education", "Herbarium Fund. Digitalization", "Clean Lawn - Clean City", "Ecotourism", "Press Center of the Samara State Technical University EcoClub" and "Every Drop Matters".

In 2023, the team of EcoClub "Life" was awarded recognition at the regional and all-Russian levels: the status of "EcoLeader-2023" in the nomination "Education" based on the results of the regional competition of the Ministry of Forestry, Environmental Protection and Nature Management of the Samara Region; laureate of the regional competition "Eco-balance" of the publishing house "Komsomolskaya Pravda"; winner of the first regional student environmental festival "Yashel Adym - Green Step" of the Almetyevsk State Oil Institute (Tatarstan), etc.

The leader of the EcoClub "Life" was among the five most active leaders of the federal youth team "Green League", as a result of which she was empowered to participate in the organization of special projects, be responsible for the internal development and develop the conceptual foundations of this youth association, authorized to act as a speaker at regional and district events on behalf of the "Green League".

In 2023, Samara State Technical University, together with its partners, organized more than 100 environmental and charity events, held 30 clean-up days, collected over 2 tons of waste paper. More than 470 volunteers, including Samara State Technical University eco-volunteers, participated in the implementation of various projects. The total coverage of environmental education amounted to about 1.3 thousand schoolchildren and more than 2 thousand students. In 2023, at the Boiling Point of Samara Polytech of the Samara Region, additional education classes in the direction of "General and Industrial Ecology" for students of grades 5-8 of schools in the Samara Region were opened and successfully operate. In 2023, as part of the project launched by the Ministry of Education and Science of the Samara Region and the Ministry of Tourism of the Samara Region together with the Agency for Strategic Initiatives on career guidance for young people through educational excursions, Samara Polytech became the key developer and implementer of a set of thematic events, including original tourist routes and career guidance travel programs for various target audiences in five thematic tracks: science, culture and art, healthy lifestyle and sports, ecology and nature, history and patriotism.

The University took an active part in a large-scale campaign - the federal educational project "Russian Ecological Week". The central event of the thematic week was the educational session "Days of Ecology", which brought together representatives of the branch of the Russian Ecological Society, the environmental department of EcoStroyResurs LLC, the Ministry of Forestry, Environmental Protection and Nature Management of the Samara Region. The session discussed current issues of implementing the national project "Ecology", including preserving environmental sovereignty, ensuring environmental safety of urbanized areas and ways to solve

them. Educational events were organized in schools of Samara and the Samara Region on the topic of an environmentally friendly lifestyle, eco-habits, problems of air and water pollution and deforestation, as well as the environmental festival "ECOTrend - 2023". At the end of the environmental week, a large-scale clean-up day was held on the shores of Lake Grannoye together with the regional operator of the Samara region for handling municipal solid waste "EcoStroyResurs".

In 2023, Samara State Technical University acted as a regional venue for the federal educational project of the Ministry of Education and Science of Russia - the IX youth festival "VuzEcoFest", bringing together more than 450 participants - schoolchildren, students, teachers, industry experts. This year it was dedicated to the topic "Mentoring in the field of environmental protection and environmental safety".

In 2023, the next, already ninth international environmental congress ELPIT-2023, which is held every two years, was organized on the basis of Samara State Technical University. This time, more than 500 people took part in the congress, including famous scientists from Italy, Portugal, Latvia and colleagues from Moscow, St. Petersburg, Kazan, Saratov, Kirov, Orenburg, Yekaterinburg, Magadan and other cities of Russia, as well as heads and specialists of the university's industrial partners - the largest industrial enterprises - JSC AVTOVAZ, PJSC KuibyshevAzot, OOO Togliattikauchuk, etc. The event included the Young ELPIT scientific and innovative forum of young scientists. In 2023, the All-Russian literary competition "Ecology of the Soul" was held for the first time at Samara State Technical University, founded by Samara Polytechnic University, the Council of Rectors of Universities of the Samara Region and the Samara Regional Writers' Organization. The competition brought together participants from Korolev and Balashikha (Moscow region), Kazan, Crimea (Kerch, Abrikosovka village, Novoselskoye village), Shakhtyorsk (DPR), Ust-Kamenogorsk (Kazakhstan), Vyazma (Smolensk region), Mazepovka village (Kursk region), Volgorechensk (Kostroma region), Abinsk and Afipsky urban-type settlement (Krasnodar region), Samara and Samara region.

Samara State Technical University takes an active part in the work of the project office of the Ministry of Forestry, Environmental Protection and Nature Management of the Samara Region on issues related to the seasonal increase in the number of cyanobacteria - blue-green algae - in the Volga waters. In 2023, the university developed a set of measures to solve this problem, including:

- development of technical specifications for the creation of a carbon polygon on the territory of the Kuibyshev Reservoir;
- creation of a generalized system for monitoring the state of water for carbon compounds and monitoring the composition of the air both above the reservoir and along the banks (to calculate the absorption of carbon from the air by the reservoir);
- development of specific options for predicting the growth and death of cyanobacteria;
- development of methodological foundations for the design of a system for collecting diffuse surface runoff from agricultural areas and recycling water saturated with biogenic elements for irrigation.

In 2023, leading specialists of the Scientific and Analytical Center for Industrial Ecology (SACE) of Samara Polytech joined the working group of the Scientific Council of the Siberian Branch of the Russian Academy of Sciences (Novosibirsk) to find ways to solve the problems of Lake Baikal. An agreement was reached that in the near future, SACE specialists, as part of measures to preserve the ecosystem of Lake Baikal, will begin preparing for a technological audit of the industrial waste disposal work at the Solzansky landfill. In terms of promoting the university's environmental activities in the international space, in 2023, Samara Polytech took 22nd place

among Russian universities in the UI Green Metric World University Ranking (623rd place among 1,183 educational institutions from 85 countries), while entering the top five universities in Russia implementing educational activities in the areas of sustainable development. In the Times Higher Education Impact Rankings in 2023, Samara Polytech established itself in 801-1000 place among 1,591 universities in the world. Below is a brief list of activities carried out by Samara State Technical University within the framework of environmental initiatives related to environmental protection and efficient use of natural resources in cooperation with partners in 2023:

1. Educational projects:

- Russian Ecological Week based at Samara State Technical University;
- EcoTrend Festival;
- Russian Ecological Forum of the Russian Ecological Society;
- International Ecological Congress ELPIT-2023;
- IX Youth Festival "VuzEcoFest";
- All-Russian Ecological Dictation;
- All-Russian Literary Competition "Ecology of the Soul"
- Lecture series on the following topics: "General Ecology" for students in grades 5-6 and "Industrial Ecology" for students in grades 7-9 (72 hours) based at the Boiling Point "Samara Polytechnic";
- Educational and interactive eco-quest game "Apocalypse";
- Ecological quests "EcoErudite" and "Tourist Ecology";
- Entertainment and educational quest "Tourist Ecology" in Orenburg;
- Quiz "Ecology";
- EcoDebates on the topic "Family, soul and military: is it environmentally friendly?" based on Samara State Technical University and "Russia in a multipolar world: new vectors of development" within the framework of the X International scientific and innovative forum at the site of Samara University;
- Career guidance trip to the plant of AO Myagkaya Krovlya;
- Regional competition of crafts "The Second Life of Waste";
- Voluntary educational and educational action "Open Laboratory";
- Excursion to EcoTechnoPark;
- EcoGTO;
- Eco-workshops: on tree felling for school-age children; "EcoFeeders"; "EcoToys"; within the framework of the exhibition "Oil Production. Oil Refining. Chemistry"; "Lukacheva Street Festival"; "Marathon of Rivers"

- Seminar-meeting jointly with the Committee of the Samara Regional Duma on Culture, Sports, Youth Policy and Tourism on the topic "Ways to Increase the Environmental Patriotism of Young People in the Samara Region";

- "Warm Meeting" with the Youth Minister of Forestry, Environmental Protection and Nature Management Ivan Karanov and co-director of the EcoClub "Life" Rufina Zainullina;

- EcoLessons for different age groups in the urban district of Samara (schools No. 10, 18, 53, gymnasium "Success") and the Sergievsky district;

- Lectures for students on separate waste collection carried out on the territory of the university;

- Olympiad in natural sciences for 10th grade students;

2. Scientific and practical projects:

- II-nd Interage Conference dedicated to "Earth Day" - Ecology of the Earth;

- Round table "Communication without a tie" and "Changes in the requirements of legislation in the field of waste management"

3. Environmental volunteering:

- Clean-up days: "Big clean water"; on the territory of "Tsarev Kurgan"; in the Botanical Garden; in the village of Bakhilova Polyana; on the bank of the Volga River together with the ANO "Chistyе Vodyomy";

- Environmental actions: cleaning the bank of the Tatyana River together with the newspaper "Komsomolskaya Pravda"; for the Volga Day; on the island of Proran;

- Mobile action to help the shelter "Family" in the village of Vislovka;

- Swap Shop;

- Plogging race in the village of Shiryaevo;

- Collection of office equipment, waste paper, plastic lids together with the trade union committee of Samara Polytech;

- Installation of containers for the separate collection of paper and aluminum.