

## Public Awareness Activities

Starting from the first competition held under the auspices of the Ministry of Forestry, Environmental Protection and Nature Management of the Samara Region since 2015, Samara Polytech is annually among the winners and confirms the status of "Ecoleader of the Samara Region".

A well-known educational and scientific-practical center in the field of environmental protection and environmental safety, Samara State Technical University (SSTU) jointly with industrial partners conducts serious public awareness activities in the field of sustainable development, resource conservation and minimization of negative impacts on the environment, including student communities:

- Ecological club SSTU;
- Volunteer center;
- Center for Urban Initiatives Urban Club.

**Ecological Club** was created on the basis of the Department of Chemical Technology and Industrial Ecology to address topical issues related to environmental safety and preservation of the environment, establish and maintain mutually beneficial relations with authorities in environmental matters, form student initiatives, the university's environmentally friendly functioning and broadcast initiatives in external areas his influence. Among Club members there are students, young scientists and teachers of SSTU. Ecoclub SSTU is aimed at promoting initiative projects and activities developed by students. They are generally low cost and focused on controlling the movement of hazardous materials and substances, consistent use of synthesized chemicals to reduce purchases, substitution of chemicals for less hazardous ones, miniaturization of experimental techniques to small quantities of substances, elimination of plastic covers and metal binders for binding term papers and projects, duplex printing. In 2021 environmental club activists initiated and carried out more than 23 environmental events and five research projects.

In partnership with the Ministry of Education and Science of the Samara Region within the framework of the federal project "Success of every child", Samara Polytech trains schoolchildren of all grades at the House of Scientific Collaboration. The children's university also implements environmental programs: "Energy of the Future" and "Green Chemistry". The training is focused on solving issues of protecting the environment and humans, including the study of alternative energy sources, chemistry and chemical technology, and ways to reduce the chemical load on humans.

Since 2003 SSTU has been the organizer of **the largest international environmental congress in Russia ELPIT**. In 2021 the number of participants in the event was more than 300 people. The congress highlights crucial issues of urban ecology: environmental risks of urbanized areas, problems of waste management and use of secondary resources, as well as problems and innovative solutions in the field of engineering support for environmental and industrial safety of urbanized

areas. Within the framework of the congress, a scientific and innovative forum of young scientists YOUNG ELPIT is held, where environmental students of Samara State Technical University present scientific reports and scientific and innovative projects dedicated to environmental protection and life safety.

In 2021 Samara Polytech with the support of the regional operator EcoStroyResurs became one of the 55 universities in Russia and Belarus that organized the **VII Youth Interuniversity Festival VuzEcoFest-2021** under the auspices of the Ministry of Science and Higher Education of the Russian Federation and the Ministry of Natural Resources and Ecology of the Russian Federation. The scientific community of Samara State Technical University (25 people) and industry representatives including the Head of the Samara Regional Branch of the Russian Ecological Society took part in thematic events and seminars on the topic "Technologies in Ecology". Students and schoolchildren who presented initiative projects got the opportunity to get acquainted with educational technologies and the scientific and technological potential of universities.

Samara Polytech is the initiator of large public actions in the field of ecology and environmental safety. For example in 2021 the university jointly with public, scientific organizations and industrial enterprises held more than 30 events including:

- International scientific conference CAEST-2021;
- Open lesson "Green Chemistry";
- the 5th congress of regional operators for the treatment of MSW;
- volunteer EcoMarathon;
- joint campaign with Novokuibyshevsky Oil Refinery JSC and Komsomolskaya Pravda newspaper dedicated to the Day of Environmental Protection – territory cleaning;
- Round table "Student environmental projects";
- Scientific seminar "Technologies in ecology";
- Eco-quiz SamSTU "Earth Day" - an intellectual game;
- Open lecture "Waste Management System: Problems and Solutions" (Regional operator "EcoStroyResurs");
- Ecological marathon;
- "Earth Hour", "Waste Paper Collection" and "Ecomobil" - together with the regional operator "EkoStroyResurs": waste recycling, collection of scrap materials;
- Action within the framework of the project "Live, Forest!" - planting 10,000 seeds in the village Malaya Malyshevka - together with RusClimatFond;
- Campaign to clean up the banks of the Volga jointly with Vtorsyrye and GRASS;
- Conducting a scientific seminar-discussion "Waste incineration – an evil or a necessity?";
- Promotions for the day of recycling - collection of used batteries.

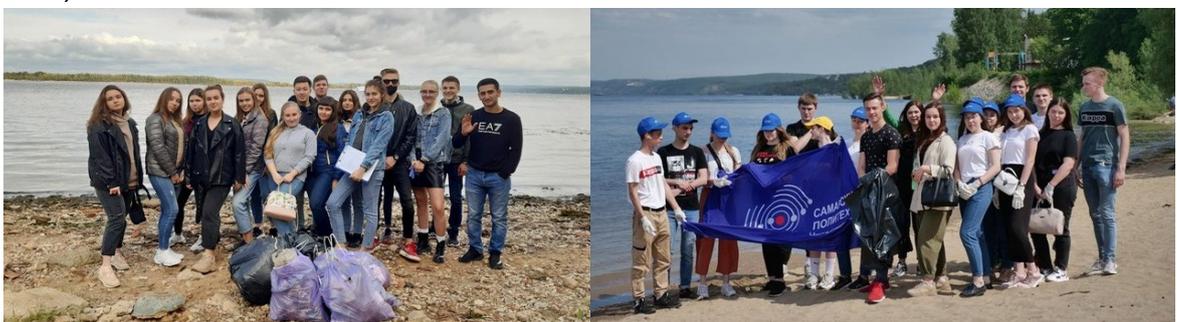
The university community takes an active part in various environmentally oriented events organized by public, scientific organizations and industrial enterprises including:

- Ecological action “Volga – Clean Shores” organized by Komsomolskaya Pravda (more than 50 bags of garbage were collected on a plot of 15,000 square meters, each weighing an average of 16 kg);
- regional campaign of the Syzran branch of the Polytech University "Day of the Volga" (about 500 meters of the coastline were cleared of household waste, reeds, branches and logs and six trucks of garbage were brought in);
- All-Russian environmental campaign “Water of Russia” dedicated to the Volga Day with the support of the Ministry of Forestry, Environmental Protection and Nature Management;
- "Clean Country" motor rally together with the federal environmental operator PPK REO and the regional operator of the Samara region for the treatment of MSW;
- "We clean the world" campaign dedicated to the cleaning of Proran Island together with Komsomolskaya Pravda;
- “Lend a Helping Hand” charity event dedicated to collecting food and materials for the “Participation” shelter;
- eco-exhibition with the support of the government of the Samara region, etc.

In order to improve its educational and business reputation, recognition in the global media space and attract foreign students, Samara Polytech actively participates in international and all-Russian ratings including environmental ones, where it strengthens its position every year.

In 2021, Samara State Technical University took the 577th place in the world in the **UI GreenMetric World University Rankings**, having improved its position by 231 points compared to the previous year and also took the 25th place among Russian universities (+20 positions) - compared to 2020 data.

In the reporting year SSTU entered the international **Times Higher Education Impact Rankings** for the first time and took 601-800th position among 1118 world universities from 94 countries (30th position among 75 universities of the Russian Federation).



# Educational Activities within Environmental Management

## Sustainable Development, Resource Preservation and Reducing Harmful Impact on Environment performed by Student Communities

Volunteer Club



ЭКО-КЛУБ

Самарского государственного  
Технического Университета

## 23 Ecology Events and 5 Scientific and Research Projects

International Scientific Conference CAEST

Public Lesson «Green Chemistry»

5<sup>th</sup> Regional Congress for Solid Waste Disposal

Volunteer Ecology Marathon

Event organized by «Novokuibyshevsk Oil Refinery Plant» and daily Russian tabloid newspaper «Komsomolskaya Pravda»

Conference «Ecology Student Projects»

Seminar «Ecology Technologies»

Quiz by Samara Polytech «Earth Day»

Public Lecture «Waste Disposal: Problems and Solutions»

Ecology Marathon

«Earth Hour», «Waste Paper Collection» и «Eco Vehicle»

«Live, Forest!» Special – planting 10000 seedlings in Malaya Malyshevka

Volga River Bank Cleaning Special with «Vtorsyryo» and «GRASS»

Discussion Seminar «Is Garbage Burning Evil or Necessity?»

Recycling Day Special: Used Batteries Collecting

Since 2003 Samara Polytech organized the biggest Russia's **International Ecology Congress ELPIT**

> 300  
Participants

Science and Innovation Forum for Young Scientists **YOUNG ELPIT**



University Community takes part in various **Ecology Events** organized by Public, Research and Industrial Companies

ДОМ НАУЧНОЙ КОЛЛАБОРАЦИИ ИМЕНИ СЕМЁНОВА Н.Н. Federal Project **«Every Child's Success»**

Courses for 1-11 Grade School Students, including: «Future Energy» and «Green Chemistry»

Organized by Samara Polytech

Supported by regional partners

«EcoStroyResurs» and 55 universities of Russia and Belarus



800  
kg of Waste



301-350

World Rankings  
+231 comparing to 2020.

25

Russia's Rankings  
+20 comparing to 2020



601-800

World Rankings  
Among 1118 Universities

30

Russia's Rankings  
Among 75 Universities