

## Department of Natural and Technosphere Safety

### Environmental Protection and Monitoring Technologies

**Duration: 1 month**

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**Language of training: English**

**Audience: post-graduate students**

#### **Description of the training session:**

Department «Natural and Technosphere Safety» of Yuri Gagarin State Technical University of Saratov it is ready to accept post-graduate students from foreign universities for short-term training in the following areas related to the scientific activities of the Department: development of technologies for processing and recycling of industrial wastes, creation and application of chemosensors in the environmental monitoring system, monitoring, biotesting and bioremediation of natural and anthropogenic disturbed environmental objects, development of new sorption materials based on industrial waste, multilayer graphene oxide and other compounds, etc.

The aim of training session is developing resource- and energy-saving technologies that improve the reliability and safety of natural systems.

Training is provided in laboratories with analytical equipment for scientific research: x-ray fluorescence spectrometer SPECTROSCAN MAX-G, ionochromatographic system ICS-900, spectrofluorometer Fluorat-02-Panorama, express analyzers of toxicants in the environment, etc. There are equipped laboratories for biophysical research, for biotesting and microbiological research, of industrial safety and construction expertise, educational and research laboratory for assessing technogenic risks.