

NanoEnviCZ infrastructure facilities also offers for research in recyclable materials

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NanoEnviCz is a large research infrastructure founded in 2016. It interconnects scientific teams from the fields of environmental and materials chemistry operating at the prestigious Czech universities and academic research institutes. T main goal is to create an effective platform for collaboration among partner organizations and external users, with a focus on researching nanomaterials and nanotechnologies in the areas of environmental protection and a sustainable future.

Main Focus and Activities are:

- Nanomaterial Research: Focuses on the synthesis, characterization, and application of nanomaterials for environmental purposes, including catalysis, photocatalysis, and pollutant capture and monitoring.
- Environmental Applications: Includes technologies for degrading pollutants in water, soil, and air, as well as developing sustainable energy solutions.
- Toxicity and Safety: Conducts comprehensive analyses of health and environmental risks associated with nanomaterials.
- Education and Knowledge Transfer: Supports open access, student education, and the promotion of science.

Six partners' institutions provide scientific expertise and laboratory equipment on request. The service applications submitted through a portal www.nanoenvicz.cz are evaluated and recommended for realization. About 250 individual projects are approved every year.

The available equipment and facilities are listed on the portal. The facilities cover the whole scope of methods and experimental techniques covering areas from material to environmental research, such as microscopies, diffractions, spectroscopies etc.

Education and knowledge transfer are supported by regular public online meetings called NARECOM, which are advertised on the portal.

The NanoEnviCz is continuously modernized and updated with the financial support of the Pro-NanoEnviCz projects (already 3rd project is currently running), the special call of the MEYS.

NanoEnviCz is a partner in the ReMade@ARI and Horizon IA StBernard projects, which ensure international awareness and cooperation in the scope of the European scientific area.