

2002

International projects

- **“Formation of Yttrium Stabilized Zirconium Oxide Coatings by Plasma Spraying”** (2002-2003), Nordic Energy Research Programme.

The project was carried out together with Oslo University and Danish Risø National Laboratory.

Dependence of the composition, structure and morphology of the plasma spray formed yttrium stabilized zirconium oxide coating on substrate chemical composition and roughness was investigated.

National projects

- **“Physical Chemical Phenomena of Sorption of Heavy Metals in the Soil, Their Influence on the Change of Activity of Microorganisms and Ferments and Search for Means for the Remediation of the Soil”**, complex research work funded by the Lithuanian State Science and Studies Foundation No. K-070.

The project was carried out together with Lithuanian University of Agriculture.

X-ray structure analysis was performed for the soil samples. Quantity of heavy metals as well as dynamics of its absorption was investigated. Efficiency of the determination of heavy metals concentration was evaluated. Limit for the sorption power was determined.