

LABORATORY OF METAL MATERIALS

Description of main activities:

The aim of research activities is surface treatment of the metal materials used in automotive industry and testing of the coating quality, aluminium winning, surface treatment of aluminium and its alloys, functional coatings on metal substrates (alloys, composites) for power engineering and their behaviour at extreme conditions (high temperature, corrosive atmosphere).

Equipment available:

- DTA/TG analyser,
- Potentiostat/Galvanostat Solartron ECHI 1287,
- SEM,
- AFM,
- LABIMEX corrosion chamber,
- Pulse sources,
- Solartron 1260 frequency analyser,
- AUTOLAB electrochemical system,
- High temperature furnaces,
- Carl Zeiss optical microscope,
- UV-VIS spectrophotometer,
- Ion chromatograph.

CONTACT

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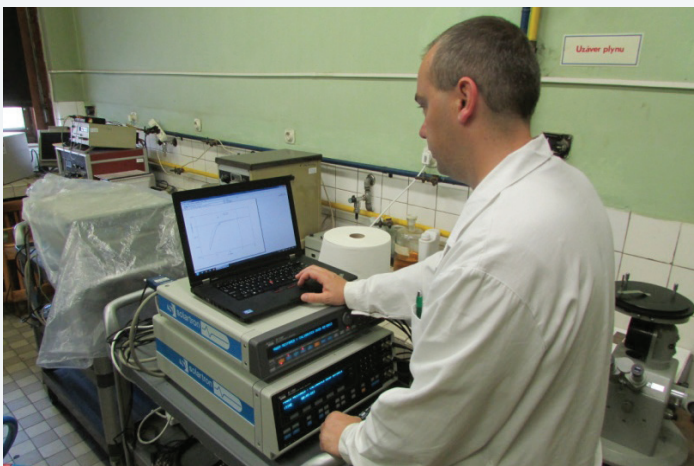
Corrosion chamber



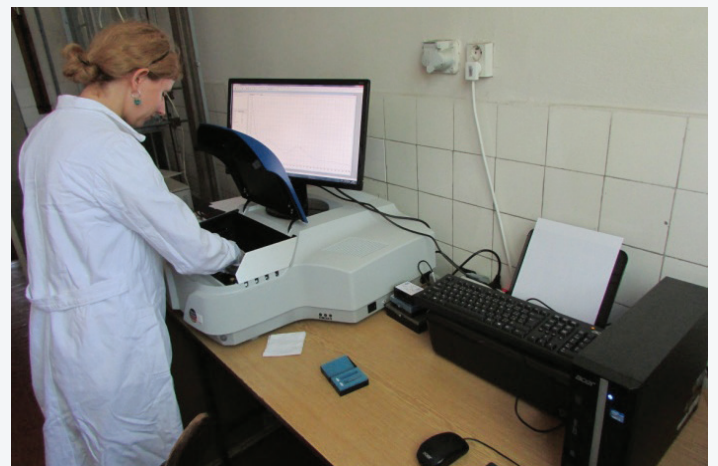
Surface analysis accessory instruments



DTA/TG analyser



Solartron electrochemical instruments



UV-VIS spectrophotometer