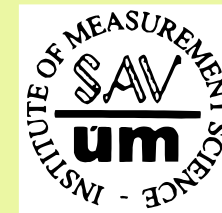


Slovakia

Department of Biomedical Engineering
University of Žilina



Institute of Measurement science
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Research at University of Žilina

- Yeast proliferation rate control via exogenous low frequency electromagnetic fields (0.8 - 2.0 kHz with 100Hz step and max 2.3mT).
- Effect of parallel combination of time-varying and static EMF.
- Observations confronted with Ion parametric resonance model and model of microtubules' endogenous electromagnetic fields.
- Goal is to improve understanding of physical and biological EMF interaction mechanisms related to both cancer and non-cancer applications.

Endeavors planned:

- Investigation of yeast proliferation on fine-grained frequency sweep with improved optical density measurement.
- Yeast ultra weak photon emission under influence of exogenous electromagnetic fields.

Research at Institute of Measurement science, Bratislava

- Basic research on electrical properties of acupuncture points and pathways.
- Interactions of living systems with external magnetic fields in micro level models.
- Development of novel biofeedback system for application of weak LF EM fields based on impedance scanning, intended for both microbiological and human application.
- Preparation of national project proposal on critical evaluation and extension of existing research on tumor specific EM frequencies.
- Preliminary cooperation with Oncology clinic of the National Cancer Institute for testing tumor specific frequencies.
- Critical evaluation of different bioresonant devices from Complementary and Alternative medicine. Focus on their diagnostic and therapeutic functions from physical, technical, psychological and medical perspective.