

BIOSENSORS – AN IMPORTANT FIELD OF MEDICAL NANOTECHNOLOGIES

Lecturer chem. *Mihaela Badea* PhD^{*},
stud. *Dragos Aurelian*^{*}, *Grusea Mirică*^{*},
stud. *Adina Plotogea*^{*}, prof. chem. *Gheorghe Coman* PhD^{*},
lecturer. *Mihaela Idomir* MD, PhD^{*},
asist. *Nicoleta Taus* MD, PhD^{*},
assoc. prof. *Liliana Rogozea* MD, PhD^{*},
prof.dr. *Gilvanda Silva Nunes*^{**},
prof. dr. *Jean-Louis Marty*^{***}

^{*}Universitatea Transilvania din Braşov, România,

^{**}Universidade Federal do Maranhao, Brazilia,

^{***}Universite de Perpignan, Franţa

Explosion of research in the field of chemical and, especially biochemical sensors in the last two decades is impressive. Sensors play an important role in many investigations in physical, chemical and biological environment. Nanotechnologies offer a reliable alternative for medical and environmental detections improving the performance of biosensors. Enzyme based biosensors and immunosensors are gaining in importance, the analytical data being on line monitored, easy handling and compatible with automatized measured systems.
