

**Lect.dr. Robert-Vasile GRĂDINARU**

Domeniu de activitate/cercetare: Biochimie/Enzimologie/Biologie moleculara

Domeniu de competenta: expertiza in determinarea activitatii enzimaticice, izolarea ADN-ului si proteinelor, clonarea ADN-ului, spectroscopie si testari antibacteriene. Cercetari recente vizeaza interactiunea ionilor metalelor grele cu compusi naturali tiolici.

Cursuri predate: Biochimie, Biochimie structurala, functionala si genetica, Enzimologie, Acizi nucleici si proteine. Biochimie descriptiva

Lista lucrări semnificative:

- 1 Cozaciuc, I. A., Postolachi, R, **Gradinaru, R.** and Pui, A. (2012) Synthesis and characterization of uranyl (VI) chiral Schiff-base complexes derived from salicylaldehyde and L-aminoacids, *J. Coord. Chem.*, **65(12)**, 2170-2181.
- 2 **Gradinaru, R.**, Ionas, A., Pui, A., Zbancioc, G., Drochioiu, G. (2011), Interaction of inorganic mercury with CoA-SH and acyl-CoAs, *Biometals*, **24**, 1115-1121.
- 3 Hansen, S. H., Andersen, M. L., Cornett, C., **Gradinaru, R.**, Grunnet, N. (2010) A role for taurine in mitochondrial function, *Journal of Biomedical Science*, **17** (Suppl): S23.
- 4 **Gradinaru, R.**, Schowen, R. & Ghisla, S. (2007) Solvent isotope effects in reactions of human medium-chain acyl-CoA dehydrogenase active site mutants, *Biochemistry*, 46(9): 2497-2509.