



UNIVERSITATEA DE STIINTE AGRONOMICE SI MEDICINA
VETERINARA BUCURESTI
FACULTATEA DE BIOTEHNOLOGII

Facultatea de Biotehnologii/Faculty of Biotechnologies
Departamentul de Biotehnologii/Biotechnologies Departmenrt

Descrierea postului

Conferentiar, pozitia 6: cursuri si lucrari practice la disciplinele Enzimologie generală si Metaboliți microbieni și vegetali

Associated professor, position 6: Courses and practical activities (laboratory) for General Enzymology and Microbial and Plant Metabolites.

1. Tematica de concurs (pentru prelegere)

- Specificitatea enzimelor / Enzymes specificity
- Inhibitia enzimatica / Enzymes inhibition
- Aplicatii ale enzimelor in obtinerea biocarburantilor/Use of enzymes for obtaining biofuels
- Metaboliti secundari cu structura fenolica/Secondary metabolites with phenolic structure
- Micotoxine / Mycotoxins
- Insecticide din surse vegetale si microbiene / Plant and microbial insecticides

Bibliografie selectiva / References:

1. G.Campeanu, G.Neamtu, Carmen Socaciu, "Biochimie vegetala", EDP, Bucuresti, 1993;
2. Lehninger A.L."Biochimie", vol.I, Ed. Tehnica, 1987;
3. Lehninger A.L."Biochimie", vol.II, Ed. Tehnica, 1992;
4. Jian-Jiang Zhong, Cai-Jun Yue, Plant cells: Secondary metabolite heterogeneity and its manipulation, Springer-Verlaid Berlin Heidelberg, 2005
5. Price N.C., Stevens L.S., "Fundamentals of Enzymology", Oxford Science Publ., 1988;
6. Coopland R.A., "Enzymes", Second Edition, Wiley Publications, 2000;
7. Eisenthal R., Danson M.J., "Enzymes Assays", Oxford University Press, 2002.