**Proiectul** PN-III-P2-2.1-PED-2019-5031, nr.contract 507PED/2020 intitulat

“Biocatalysis Engineering–Selective Magnetic nanoparticles-based Reactor Technology (BE-SMART)”

 **Pozitia** asistent cercetare stiintifica

 **Tematica:**

1. Metode de monitorizare a reacţiilor enzimatice catalizate de transaminaze și amoniacliaze.

2. Imobilizarea enzimelor

 **Bibliografia:**

1. Molnár Z., Farkas E., Lakó Á., Erdélyi B., Kroutil W., Vértessy B.G., Paizs C., Poppe L.: Immobilized whole-cell transaminase biocatalysts for continuous-flow kinetic resolution of amines, Catalysts (**2019**) *9*(5): 438; **DOI**: [10.3390/catal9050438](http://dx.doi.org/10.3390/catal9050438)
2. Nagy-Győr L., Abaházi E., Bódai V., Sátorhelyi P., Erdélyi B., Balogh-Weiser D., Paizs C., Hornyánszky G., Poppe L.: Co-immobilized Whole Cells with ω-Transaminase and Ketoreductase Activities for Continuous-Flow Cascade Reactions, ChemBioChem (**2018**) *19*(17): 1845-1848; **DOI**: [10.1002/cbic.201800286](http://dx.doi.org/10.1002/cbic.201800286)
3. Abaházi E., Sátorhelyi P., Erdélyi B., Vértessy B.G., Land H., Paizs C., Berglund P., Poppe L.: Covalently immobilized Trp60Cys mutant of ω-transaminase from *Chromobacterium violaceum* for kinetic resolution of racemic amines in batch and continuous-flow modes, Biochemical Engineering Journal (**2018**) *132*: 270-278
**DOI**: [10.1016/j.bej.2018.01.022](http://dx.doi.org/10.1016/j.bej.2018.01.022)