

Lecturer's CVs

Name: Michał Blatkiewicz

Name for daily/classes use: Michał

Academic Background: Dr. Eng.

Field of Specialization: Postdoc

Employer: Technical University of Lodz

Previous Positions: Postdoc at Technische Universität Hamburg

Contacts:

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List of recent/ Relevant Publications:

- Blatkiewicz, M., Mißfeldt, F., & Smirnova, I. (2019). Dynamic Model of Batch Enzymatic Reactive Distillation for the Production of R-2-Pentyl Butyrate. *Industrial & Engineering Chemistry Research*, 58(51), 22820-22834.
- Fellechner, O., Blatkiewicz, M., & Smirnova, I. (2019). Reactive separations for in situ product removal of enzymatic reactions: A review. *Chemie Ingenieur Technik*, 91(11), 1522-1543.
- Anteck, A., Blatkiewicz, M., Boruta, T., Górak, A., & Ledakowicz, S. (2019). Comparison of downstream processing methods in purification of highly active laccase. *Bioprocess and biosystems engineering*, 42(10), 1635-1645
- Blatkiewicz, M., Anteck, A., Boruta, T., Górak, A., & Ledakowicz, S. (2018). Partitioning of laccases derived from *Cerrena unicolor* and *Pleurotus sapidus* in polyethylene glycol-phosphate aqueous two-phase systems. *Process Biochemistry*, 67, 165-174.
- Anteck, A., Blatkiewicz, M., Bizukojć, M., & Ledakowicz, S. (2016). Morphology engineering of basidiomycetes for improved laccase biosynthesis. *Biotechnology letters*, 38(4), 667-672.

CV: Graduated with distinction at Cracow University of Technology as master of engineering in the field of chemical and process engineering. Afterwards he did his PhD at Technical University of Lodz, Faculty of Process and Environmental Engineering, where he was also employed as a scientific project contractor. After graduation he worked at Technical University of Hamburg for a year as a post-doc. Currently he is employed as a postdoc at Technical University of Lodz.

During his PhD studies, his work was concerned with continuous processes of biosynthesis, concentration, and purification of fungal laccases, in which he focused mostly on novel downstream processing methods, such as aqueous two-phase extraction and foam fractionation. During his TUHH postdoctoral fellowship he investigated the integration of biocatalysis and distillation in the form of a process called enzymatic reactive distillation. Currently he is a part of a research team concerned mostly with rotating packed bed processes.

He is an author of 10 scientific papers published in ISI-listed journals, and has presented at 7 international conferences.