

Curriculum vitae

Stefan Kittler

Date of Birth: 18.08.1996

E-Mail: s.kittler@icloud.com



EDUCATION

12/2019 – 12/2022 PhD degree at the Institute of Chemical, Environmental and Biological Engineering at Technical University of Vienna

PhD thesis: "Investigation of different bioprocess modes with Escherichia coli"

11/2017 – 11/2019 Master program: Technical Chemistry with focus on Biotechnology and Bioanalytics at Technical University of Vienna

Master thesis: "Optimization of a cascaded continuous cultivation mode using a Design of Experiment approach"

WS/2018 Semester abroad at Chalmers University of Technology

10/2014 -10/2017 Bachelor program: Technical Chemistry at Technical University of Vienna

Bachelor thesis: "Capture of a Fab from E. coli: HIC vs. AFFINITY CHROMATOGRAPHY"

PROFESSIONAL EXPERIENCE

01/2022 Post-Doctoral researcher at Technical University of Vienna in the group *Integrated Bioprocess Development*

08/2017 – 10/2018 Project Assistant at Technical University of Vienna in the group *Integrated Bioprocess Development*

07/2016 Summer Internship at ESW Consulting Wruss

07/2013 & 07/2014 Summer Internship at Natural History Museum

SKILLS

Languages	German (mother tongue)	
	English (fluent)	
Computer literacy	Microsoft Office	Lucullus (PIMS)
	MODDE	R Studio
	Origin	
	Matlab (basic knowledge)	

PUBLICATIONS

Kittler, S., Ebner, J., Besleaga, M., Larsbrink, J., et al., Recombinant Protein L: Production, Purification and Characterization of a Universal Binding Ligand. *Journal of Biotechnology* 2022, 359, 108-115.

Gundinger, T.; **Kittler, S.**; Kubicek, S.; Kopp, J.; Spadiut, O. Recombinant Protein Production in *E. coli* Using the *phoA* Expression System. *Fermentation* 2022, 8.

Kittler, S.; Slouka, C.; Pell, A.; Lamplot, R.; Besleaga, M.; Ablasser, S.; Herwig, C.; Spadiut, O.; Kopp, J. Cascaded processing enables continuous upstream processing with *E. coli* BL21(DE3). *Scientific Reports* 2021, 11, 11477.

Kittler, S.; Besleaga, M.; Ebner, J.; Spadiut, O. Protein L—More Than Just an Affinity Ligand. *Processes* 2021, 9, 874.

Kopp, J.; **Kittler, S.**; Slouka, C.; Herwig, C.; Spadiut, O.; Wurm, D.J. Repetitive Fed-Batch: A Promising Process Mode for Biomanufacturing With *E. coli*. *Frontiers in Bioengineering and Biotechnology* 2020, 8, 1312.

Kittler, S.; Kopp, J.; Veelenturf, P.G.; Spadiut, O.; Delvigne, F.; Herwig, C.; Slouka, C. The Lazarus *Escherichia coli* Effect: Recovery of Productivity on Glycerol/Lactose Mixed Feed in Continuous Biomanufacturing. *Frontiers in Bioengineering and Biotechnology* 2020, 8, 993.

CONFERENCES

Poster Presentation “Small scale mechanical cell disruption: A workflow to screen for ideal disruption conditions for recombinantly produced proteins in *E. coli*”; **Stefan Kittler**, Julian Ebner, Julian Kopp, Oliver Spadiut; 7th BioProscale 2022 in Berlin, 28-21 March 2022 (2nd place in the Best Poster Award)