

Felizitas Elen Schlederer

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Education

- 01/2020 – **Technical University of Munich**
03/2017 M. Sc. Chemical Engineering (1.6)
Emphasis: Chemical Process Technology, wastewater treatment
Master Thesis: „Design optimization by determination of the flake-related energy input in ultrasonic disintegration technology“
- 10/2019 – **Danmarks Tekniske Universitet – Water technology**
05/2019 Visiting Research
Topic: Pharmaceutical removal in wastewater obtained using forward osmosis with different membrane types
- 02/2017 – **Technical University of Munich**
10/2013 B. Sc. Chemical Engineering (3.0)
Emphasis: Mechanical Engineering, Chemistry
Bachelor Thesis: „Experimental investigation of Co-combustion Coal with Biomass“
- 01/2017 – **Cardiff University**
09/2016 Emphasis: Modelling, wastewater treatment
- 06/2013 – **High school – Gars am Inn**
09/2005

Working Experience

- 07/2020 – **Excellence AG – Engineering service provider**
03/2020 Recruiter
Active sourcing of new candidates
Connecting potential candidates with companies
- 04/2019 – **Florafuel AG – Startup process development to generate high-quality regenerative fuel out of biomass**
04/2017 Working Student – Planning and Construction
CAD–Construction using SolidWorks & Inventor
Generate piping and instrumentation diagram
Organizing trade fair at IFAT 2018
- 03/2018 – **Technical University of Munich – Chair of Urban Water Systems Engineering**
05/2017 Research Assistant
CFD Simulation of solute transport in feed channel through a membrane by using COMSOL-Multiphysics
- 09/2015 – **Technical University of Munich - Chair of Metal Forming and Casting**
01/2016 Research Assistant
Material analysis by surface determination and tensile tests

Engagement

- 01/2020 – **Technical University Munich**
10/2013 Annual spokeswoman for the chemical engineering students
- 10/2019 – **Rowing club KVIK**
05/2019 Team captain of the student rowing team
- 10/2018 – **IKOM – Career forum**
10/2017 Member of the Content Creation Team

Publicationen & Awards

- 07/2019 **Journal of Ultrasonics Sonochemistry**
„Impact of ultrasound-induced cavitation on the fluid dynamics of water and sewage sludge in ultrasonic flatbed reactors“
- 10/2018 **Journal of Membrane**
„CT scanning of membrane feed spacer – Impact of spacer model accuracy on hydrodynamic and solute transport modeling in membrane feed channel“
- German National Scholarship**

Hobby

- Judo at TSV Grafing**
5. Place at the German Championship
First federal league of the woman team
- Volleyball at TSV Grafing**
Regional division
- Rowing at KVIK, Kopenhagen**

Language

- German:** Native language
- English:** Business fluent
- Französisch:** basic knowledge
- Spanish:** basic knowledge

Professional Skills

MS Office	***	SolidWorks	***
Matlab	*	Aspen	*
COMSOL Multiphysics 5.4	***	Visio Professional	**
Autodesk-Inventor (CAD)	***	Photoshop	**