

Teaching, research and practice – we connect

Research Associate Catalysis

School of Engineering FHNW,
Institute of Bioenergy and Resource Efficiency

Your tasks:

- planning, execution and evaluation of experiments on a catalytic high-pressure test rig for the hydrothermal gasification of biomass
- synthesis of new catalysts with wet chemical methods as well as optimization of an existing catalyst
- characterization of the catalysts with modern methods (HRTEM, XRD, BET, TPO, XRF)
- documentation of the results in technical reports and scientific journals
- close cooperation with an industrial partner as well as an international and diverse team of PhD students, postdocs, (senior) scientists, engineers and technicians

Your profile:

- master's degree in chemistry, chemical engineering, process engineering or materials science with a focus on heterogeneous catalysis
- practical experience with continuous catalytic test rigs and gas analysis
- PhD in the field of heterogeneous catalysis desirable
- very good knowledge of written and spoken English
- high motivation to work in bioenergy projects and to explore novel technologies

Your prospects: Our working environment at the Brugg-Windisch campus, combined with a high degree of flexibility in terms of working hours and location, provides a contemporary framework for our work. At the School of Engineering, a culture of dialog is cultivated that is characterized by appreciation and trust. We consider short decision-making processes, a lean administration and great personal freedom to shape and act as important framework conditions for our success.

Starting date: at the earliest possible date. Workplace: Windisch

Will you soon belong to our team? Please submit your application before 10 April 2022 online via the respective announcement on www.fhnw.ch/offene-stellen to Alberto Tagliatti, HR Manager. For further information please contact Prof. Dr. Frédéric Vogel, Deputy Head of Institute, P +41 56 202 73 34.

