

The Institute of Brewing and Beverage Technology of the Technische Universität München is looking for

a scientific employee (m/f) with a degree Dipl.-Ing. (Univ.)/ M. Sc. in food engineering, mechanical engineering, material sciences or comparable qualifications.

PhD Topic:

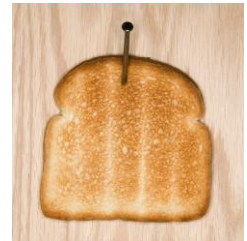
Texturing of cereal-based matrices using 3D techniques

RESEARCH LEVEL:

The matrix of cereal-based products such as bread is highly complex and passes a manifold production process. This production process is to be shortened by novel texturing methods and consequently be avoided. Some approaches are extrusion and heating process in combination with 3D methods (3D printing). Furthermore the rheological properties of the model systems must be adapted to the process. Beside the process design, the structural characterization of the products stands in the focal point of the work. Print with us the bread of the future!

REQUIREMENTS:

- university degree
- ability and interest in analytical, creative and interdisciplinary thinking
- construction and assembly of equipments
- expertise in automation solutions
- high amount of initiative and commitment
- systematic way of working and reliability
- teamwork and communication skills
- fluent in German and English.



We offer a part-time job (50 %). The job is done with appropriate compensation to the collective agreement for the public sector in Germany (TV-L). The possibility of dissertation (PhD) is given.

The TU Munich aims to increase the proportion of women, qualified women are therefore strongly encouraged to apply. Handicapped applicants will be preferred in case of equal suitability and qualification.

Please send your written, detailed application documents to the

Technische Universität München
Institute of Brewing and Beverage Technology
Weihenstephaner Steig 20
85354 Freising, Germany

Contact: mjkle@tum.de
(for email applications, we kindly ask you to send the documents in one single pdf file)

