

**PhD position for 4 years, 40 hours per week, from February 1<sup>st</sup>, 2021  
At the Institute of Chemistry and Technology of Biobased Systems,  
Graz University of Technology (Austria)**

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**Required academic qualification**

Master or Diploma degree in the field of Chemistry or Technical Chemistry or Material Sciences

**The successful candidate should also possess the following qualifications**

- Knowledge of chemical and physical processes of surface-technology, in technical and biomedical fields and affiliated analytical methods.
- Knowledge of the analytical methods for surface and molecular characterization (such as NMR, IR Raman, Zeta Potential, QCM)
- Knowledge in some polymers processing procedures as 3D printing
- Good English speaking and writing skills
- Experience in the supervision of students

**The position will involve the following duties**

Research:

- Research and development in the area of bio-based materials with the focus on the poly- and oligosaccharides, their derivatization, characterisation and processing
- The candidate should be willing to prepare her/his PhD work

Teaching:

- The candidate must be willing to help in co-supervision of the students in the curricula Chemistry, Technical Chemistry, Biorefinery Engineering
- The candidate must be willing to take courses for personal development

The position will be paid according to category B1 of the collective agreement for employees of Austrian universities, stipulating a gross salary of € 2.929,00 (14 × per year).

Graz University of Technology aims to increase the proportion of women and therefore qualified female applicants are explicitly encouraged to apply. Graz University of Technology actively promotes diversity and equal opportunities. People with disabilities and who have the relevant qualifications are explicitly invited to apply.

**How to apply**

Applications with relevant documents (Motivation letter, CV and professional career) should be submitted, preferably by email to the Dean of Faculty Prof. Dr. Frank Uhlig under the email address [jobs.tcvb@tugraz.at](mailto:jobs.tcvb@tugraz.at) and should quote the position identification number.

**Application deadline: December 9, 2020**

**Position identification number: 6430/20/037, Mitteilungsblatt TU Graz**