



At the faculty of Material Science and Material Technology, Institute of Non-Ferrous Metallurgy and Purest Materials, the following position (starting 01.06.2020) is announced:



Scientific Assistant (m/f/d) – Position number 74-E/2020
(with the precondition that respective project funding is secured)

Salary: 13 TV-L
Position: 0,75 VZÄ
Termination: 01.06.2023 - (extension to be pursued)

The Institute of Nonferrous Metallurgy and Purest materials is working on the development of new processes with regard to the production and recycling of nonferrous metals. Goal of the project is, to characterize a high temperature reactor, that will utilize microwave energy with regard to metallurgical processes. Utilization possibilities with regard to the reactor offgases will further be investigated with the goal to produce chemicals. The project aims to contribute to the development of a zerowaste/ decarbonized metallurgical industry.

We expect:

- Ability to lead the design, part procurement and installation of the experimental unit
- Independent planning and realization of lab-scale experiments and critical evaluation of results
- Thermodynamic and flowsheet modelling of process routes (use of FactSage and HSC-Sim or alternative)
- Publications of results in peer-reviewed journals and conference proceedings

What we offer:

- Working for a family friendly university with flexible working hours
- Remuneration according to the provisions of the collective bargaining agreement for the public service of the federal states in accordance with personal requirements
- attractive fringe benefits, e.g. B. Asset-based benefits (VL), company pension schemes (VBL), health management
- Assistance (training) at the start of your work by experienced colleagues

To succeed you will need:

- A university diploma or master degree in the area of metallurgy, chemistry, materials science, process engineering or equivalent degree
- Personal commitment, ability to work both independently and as member of the team
- Willingness to pursue further scientific qualification (Doctorate or habilitation)

For further information you can contact: Univ.-Prof. Dr.-Ing. Alexandros Charitos, Tel. 03731/39-2303
E-Mail: Alexandros.Charitos@inemet.tu-freiberg.de

TU Bergakademie Freiberg is committed to increasing the ratio of women in teaching and research positions. Qualified female scientists are therefore invited to apply. Severely disabled applicants will be given preferential consideration in the event of equal suitability.

Please address your application and relevant annexes with reference to the **position number (74-E/2020), until 31.03.2020** to:

TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten - 09596 Freiberg, Germany

Your application documents will not be returned, therefore please send only copies. Interview costs will not be covered. TU Bergakademie Freiberg is further looking for scientific personnel of diverse specialization. For further information: <http://tu-freiberg.de/wirtschaft/karriere/stellenausschreibungen>