

The mission of BAM Federal Institute for Materials Research and Testing is to ensure the safe and environmentally friendly application of technology. Our research, testing, approval, and consultation warrants safety in technology and chemistry. BAM is a senior scientific and technical Federal institute with responsibility to the Federal Ministry for Economic Affairs and Energy (BMWi), with 1700 employees, has national and international duties, co-operates with universities and research institutes, and supports young academics.

BAM's Department 1 "Analytical Chemistry; Reference Materials" invites applications for a position as

Senior Scientist in Chemistry or Food Chemistry for Organic Mass Spectrometry

Remuneration is effected according to salary scale 14 TVöD. The appointment is permanent with 100 % of standard working hours. The workplace is suitable for part-time

Job Description:

The objective is to provide a substantial contribution to our environmental and food safety by new analytical insights. Modern mass spectrometry is a key technology in this context.

The focus of the position is the establishment and coordination of a centre for mass spectrometry for organic environmental, food, and materials analysis including responsibility for the analytical systems. Directly associated to this issue is your contribution in establishing the high-resolution mass spectrometry (HRMS) in the department and the development and application of liquid-/gas-chromatographic coupling methods for target-, suspected-target and non-target strategies by means of HRMS. Emphases are the HRMS-based profiling to identify contaminants and transformation products in relevant environmental and food matrices as well as the HRMS-based fingerprinting for imaging of complex samples in the context of studies for food authenticity, product safety and environmental sustainability of materials.

Your tasks include additionally the acquisition and management of research projects as well as the supervision of young academics in this area. A characteristic of the function is the discrete paper output and presentation activity, representation of the working area internally and externally as well as national/international networking. Besides research, an element of the function is the participation in relevant standardization committees as well as technology transfer to SMEs.

Profile Requirements:

You are in possession of a university degree (Diploma/Master) in the field of chemistry or food chemistry or comparable disciplines with an at least "good" result, a Ph.D. degree with predicate "very good" and experience as a postdoctoral researcher in the relevant research area.

We expect comprehensive knowledge and practical competence in the area of organic mass spectrometry, in particular in the field of HRMS, e.g. qToF, Orbitrap or FT-ICR with different ionization techniques hyphenated to liquid- and/or gas-chromatography. You dispose of profound experience in quantification and identification of organic analytes, preferably in the field of environmental or food analysis. Experiences with Ion Mobility Spectroscopy (IMS) are desired. You have a proven publication record (peer-reviewed papers) in the relevant research field, experience in proposal writing and acquisition of project funding and the ability to structured working in a scientific environment. Furthermore, you have an excellent command of the English language and basic knowledge of the German language in writing and presentation. Your working activity in an interdisciplinary scientific environment requires a high degree of engagement, capacity for co-operation and team spirit, and commitment to responsible and autonomous research.

Enquiries related to the responsibilities can be obtained from Dr Matthias Koch (T: +493081041170, matthias.koch@bam.de) or Dr habil Rudolf J. Schneider (T: +493081041151, rudolf.schneider@bam.de).

Interested? Then we look forward to your application.

Applications via e-mail are preferred. Please send yours until **October 1, 2016** quoting Reference **No. 152/16-1.7** to: bewerbung@bam.de. Please attach to your e-mail pertinent documents in the format of one PDF file. The PDF shall not exceed 10 MB and must include the following elements (Letter of motivation, Tabulated Curriculum Vitae of your educational and professional career)

Please provide proof of attained degrees via certificates that display the final grade and all relevant marks. For the stipulated professional experience as well as your current occupation we ask for qualified certificates of employment and testimonials/references, respectively. A publication list is to be included.

We point out that the transmitted application documents are exclusively stored and handled for the purpose of the selection process. After completion of the selection procedure the documents will be deleted respecting relevant data protection acts.