The Leibniz-Institute of Vegetable and Ornamental Crops (IGZ) aims for excellence in horticultural research and related plant, environmental, nutritional and social sciences. IGZ is based in Großbeeren close to Berlin and is a member of the Leibniz Association (WGL). IGZ conducts strategic and international research for the sustainable production and use of vegetables, contributing to food security, human well-being and the conservation of natural resources. At IGZ, researchers from different disciplines work together on core-funded and grant-funded projects, in collaboration with national and international research partners.

Within the joint project EMINA – Qualitative and quantitative determination of nano-plastic in plants we are looking for a

**Research assistant (f,m,d) with an opportunity for doctoral studies nano-plastic in plants**  
**Reference number 05/2020/3**

in the group plant quality and human nutrition. Employment will be available earliest from 01. June 2020 and will be initially for two years. There is the opportunity for doctoral studies. The conferral of a doctorate is possible at the Faculty of Mathematics and Natural Sciences of the University of Potsdam.

The salary will be based on qualification and research experience according to the wage agreement TV-L, salary domain east, up to EG 13 (up to 65% of the regular working time).

**Project description**

The joint project “EMINA“ focuses on the development of methods for the qualitative and quantitative determination of nano-plastic in plants. We aim a first assessment of the contamination of plants and plant foods and its impact on quality.

**Tasks:**
- conception and evaluation of experimental settings  
- assistance of the development of methods for the qualitative and quantitative determination of nanoplastic in plants and plant foods  
- analyses of plant metabolites in particular metabolites of the secondary metabolism  
- supervision of bachelor and master theses  
- publishing of research results and presentation of results to international scientific audience  
- acquiring of third party funds

**Skills and requirements:**
- a highly motivated candidate with a master or equivalent degree in food chemistry, analytical chemistry, biology, nutritional science, bio-chemistry, or related disciplines  
- effective knowledge about microscopic techniques  
- effective knowledge in modern analytical techniques like GC/MS and HPLC/MS  
- basic knowledge in molecular biological methods is favorable  
- very good communication skills in English an ability to work independently in an interdisciplinary research field

Do you fancy a demanding and stimulating environment and you are also imaginative and resilient? Then we look forward to receiving your application!

Further information about the IGZ can be found on the Internet at www.igzev.de. If you have any questions, please feel free to contact Prof. Susanne Baldermann (033701 78 241; baldermann@igzev.de).

The IGZ is an equal opportunity employer. Handicapped people with equal qualifications will be employed preferentially. The IGZ wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of age, gender, religion or ethnic background.

**Please send your application citing the reference number by 14th May 2020 to:** Personalbüro, Institute for Vegetable and Ornamental Crops, Theodor-Echtermeyer-Weg 1, D-14979 Großbeeren or online in pdf-format to personal@igzev.de.