



UNIVERSITY OF  
EASTERN FINLAND

## POSTDOCTORAL RESEARCHER POSITION IN WATER CHEMISTRY

The University of Eastern Finland, UEF, is one of the largest multidisciplinary universities in Finland. We offer education in nearly one hundred major subjects, and are home to approximately 15,000 students and 2,800 members of staff. We operate on three campuses in Joensuu, Kuopio and Savonlinna. In international rankings, we are ranked among the leading 300 universities in the world.

The Faculty of Science and Forestry operates on the Kuopio and Joensuu campuses of the University of Eastern Finland. The mission of the faculty is to carry out internationally recognised scientific research and to offer research-education in the fields of natural sciences and forest sciences. The faculty invests in all of the strategic research areas of the university. The faculty's environments for research and teaching are international, modern and multidisciplinary. The faculty has approximately 2,700 Bachelor's and Master's degree students and some 450 postgraduate students. The number of staff amounts to 650.

<http://www.uef.fi/en/lumet/etusivu>

We are now inviting applications for a

### **Postdoctoral Researcher position (in Water Chemistry), Department of Environmental and Biological Sciences, Kuopio Campus**

The position constitutes part of the *Aquatic Research in Changing World* research area, which is one of the emerging research areas of the University of Eastern Finland. The position involves research activities on the synthesis of novel nano-adsorbents or nano-composites for water and wastewater treatment with a special emphasis on resource recovery (such as metals and nutrients). A successful candidate will be expected to build and maintain a good publication record, apply for research funding from external sources, provide technical assistance to students working within the research group and carry out other academic activities that are also beneficial to the candidate's career development.

A research background encompassing expertise in the synthesis of nanoparticles / nanocomposites, adsorption principles, materials characterization techniques with a good record of publications in peer-reviewed journals is a strong asset. Previous research experience in the synthesis of novel nanocomposites is highly preferred. Knowledge on mathematical modeling and related software will also be an advantage. The selection is primarily based on scientific excellence in the field of nano-materials and/or water treatment; previous experience in surface modification methods and characterization of nanoparticles, adsorption based water treatment and resource recovery from wastewaters will be of advantage.

The person to be appointed to the Postdoctoral Researcher position is required to hold a doctoral



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degree in Material Science or Engineering, Chemistry, Chemical Engineering, Environmental Science & Engineering, or other closely related fields, which may not have been completed more than five years ago at the time of accepting the position. In this context, the 5 years refer to a net period of time, which does not include maternity leaves, parental leaves, or military service, etc. The applicant must have strong communication skills with excellent knowledge in English, both written and spoken.

The position will be filled for a fixed term of **15 months** as agreed. The start date of the position is 1 April 2016 or as agreed.

The position is filled for a fixed term due to it pertaining to a specific project.

The salary of the position is determined in accordance with the salary system of Finnish universities and is based on level 5 of the job requirement level chart for teaching and research staff (€ 865,30/month). In addition to the job requirement component, the salary includes a personal performance component, which may be a maximum of 46.3% of the job requirement component.

**For further information on the position, please contact:** Assistant Professor Amit Bhatnagar, e-mail: [amit.bhatnagar@uef.fi](mailto:amit.bhatnagar@uef.fi) tel. +358 50 369 6419. **For further information on the application procedure, please contact:** Executive Head of Administration Arja Hirvonen, tel. +358 44 716 3422, email: [arja.hirvonen@uef.fi](mailto:arja.hirvonen@uef.fi).

*A probationary period is applied to all new members of the staff.*

The electronic application should contain the following appendices:

- a résumé or CV (<http://www.tenk.fi/en/template-researchers-curriculum-vitae>)
- a list of publications (<http://www.aka.fi/en/funding/how-to-apply/appendices-required/guidelines-for-list-of-publications/>)
- a research proposal, not exceeding 5 pages, explaining how the applicant's research is linked to the advertised position
- copies of the applicant's academic degree certificates/ diplomas, and copies of certificates / diplomas relating to the applicant's language proficiency, if not indicated in the academic degree certificates/diplomas

The application needs to be submitted no later than **29 February 2016** (by 24.00 hours Finnish time) by using the electronic application form.