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Preview

Post Doctoral Associate Position on Synthesis and Photocatalytic Evaluation of Composite Photocatalysts

We are looking for a highly motivated, experienced, and talented Post Doctoral Scholar to complement our team in the Synthesis and Photocatalytic Evaluation of Composite nanostructured materials.

Description

This project is related to the Research Program "Cyanotoxins in fresh water. Advances in analysis, occurrence and treatment - CYANOWATER" funded by the Greek Ministry of Education and the European Commission under the action "APIΣTEIA".

CYANOWATER project aims in filling research gaps and achieving breakthrough results in (a) Development of advanced analytical methods for emerging cyanotoxins (CTs) and for simultaneous analysis of different groups of CTs, (b) Identification of the toxin-producing cyanobacteria species in freshwater bodies and (c) Development of novel advanced oxidation processes for the detoxification of water contaminated with CTs. The strong ties and close collaboration of the CYANOWATER research team with leading research partners and water supply companies will permit technology transfer and direct and strong beneficial impacts for the international research community involved in this field but also important societal and economic impacts at a national, European and international level.

Description of the project

This project will focus on the preparation and characterization of composite nanostructured photocatalysts with well-controlled structural, morphological, and physicochemical characteristics. The photocatalytic activity of the new nanomaterials will be evaluated for the destruction of selected cyanotoxins in water using advanced analytical techniques (e.g. LC-MS/MS).

The successful candidate will also have to write reports, scientific articles and present the research results in international scientific conferences.

The successful candidate will be employed for twelve months with the possibility of contract extension.

Research Fields

Chemistry - Heterogeneous catalysis
Chemistry - Analytical chemistry

Career Stage

Experienced researcher or 4-10 yrs (Post-Doc)

Research Profile

Recognised Researcher (R2)

Comment/web site for additional job details

http://ipc.chem.demokritos.gr/index.php?option=com_content&view=article&id=302%3Acatalytic&catid=68%3Aresearchpro&Itemid=11%E2%8C%A9%3Den%E2%8C%A9%3Den&lang=en

Requirements

Additional Requirements

Other job details

Job ID

33888146

Type of Contract

Temporary

Status

Full-time

Hours Per Week

40

Company/Institute

NCSR DEMOKRITOS

Country

GREECE

State/Province

Attiki

City

Athens

Postal Code

15310

Street

Patriarchou Grigoriou E & Neapoleos

EU Research Framework Programme

Is the job funded through the EU Research Framework Programme?

No

Company/Institute

NCSR DEMOKRITOS

Institute for Advanced Materials, Physicochemical Processes, Nanotechnology & Microsystems / Physical Chemistry Sector
Public Research
Patriarchou Grigoriou E & Neapoleos
15310 - Athens
Attiki - GREECE
phone +30 210 6503643
fax +30 210 6511766
email

hiskia@chem.demokritos.gr
[option=com_content&view=...](#)

Application details

Envisaged Job Starting Date

01/12/2013

Application Deadline

15/11/2013

Application e-mail

hiskia@chem.demokritos.gr

Qualifications

Candidates must hold the following:

- 1) A Bachelors/Diploma in Chemistry or Chemical Engineering (Degree, 10%)
 - 2) A PhD in the fields of Environmental Chemistry and nanomaterials with emphasis in technologies for pollutants removal from the aquatic environment (20%)
 - 3) Research experience on the preparation and characterization of composite nanomaterials (10%).
 - 4) Postdoctoral experience in advanced analytical techniques like GC-MS, LC-MS/MS and qTOF MS (40%).
 - 5) Participation in scientific publications (peer reviewed journals) (10%).
 - 6) Working experience in research programs (5%)
- Excellent command of the English language (fluently speaking and writing) and excellent usage of computers are considered as a prerequisite.

Evaluation Process

The evaluation of submitted applications will be made by the evaluation committee using the following procedure :

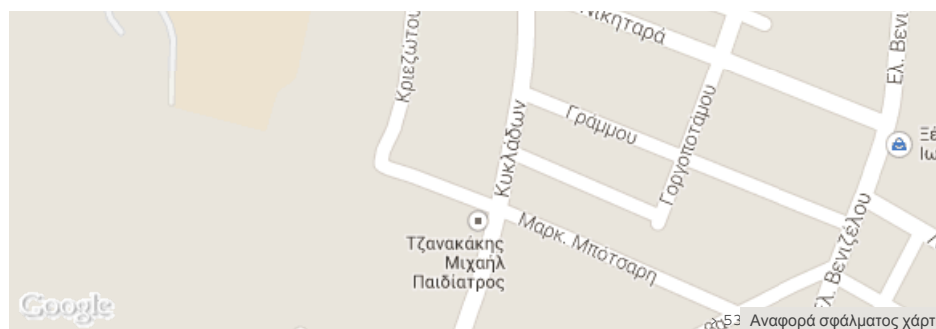
A) Preliminary stage where the committee will evaluate the applications against the qualifications of candidates, such as those mentioned above and based on applicant's submitted documents. Please note that applications that do not meet the qualifications as defined above will be excluded from further evaluation process. The total score of each candidate will be result from the assessment of his/her qualifications in combination with the respective weighting factors. Based on the above results a final ranking list of candidates will be made.

B) Final selection. At this stage the evaluation committee will conduct a personal interview of the first three candidates in the ranked list and the candidate who will obtain the most points out of a possible 100 % will be selected for the position.

For application send:

- 1) Your CV
- 2) Copies of your university degree(s)
- 3) A cover letter (up to 1 page) outlining your qualification for the project
- 4) A list of publications
- 5) Other documents to demonstrate specific experiences
- 6) Two recommendation letters at least.

Applications have to be addressed to Dr. Anastasia Hiskia, email: hiskia@chem.demokritos.gr



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