



2018-IPR-F2-FGIV-010366

**FG IV – Project Officer
Exploratory Research Project:
Creation of highly active nanoparticle filters
for nuclear liquid waste decontamination
(CONFINE)**

Position for:

**FG IV – Project Officer -
Scientific / Technical Support
Officer**

As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <https://ec.europa.eu/jrc/>

The JRC offers a vacancy for a Contract Agent within the Exploratory Research Project CONFINE (creation of highly active nanoparticle filters for nuclear liquid waste decontamination).

The JRC Exploratory Research Programme (ER) is a strategic initiative characterised by ideas that may lead to novel results, which are going to qualitatively enrich the current scientific work at the JRC.

The vacancy is within the Directorate Health, Consumers and Reference Materials. The directorate provides independent scientific evidence for the development, implementation and evaluation of EU policies, mainly in the areas of standardisation, public health, food and feed safety and authenticity, cosmetics and other consumer products, medical devices, nanomaterials, taxation with a focus on frauds and a well-functioning internal market.

The operational scientific research will take place in the unit Consumer Products Safety.

Short description of activity:

The aim of the ER Project CONFINE is to carry out the detailed physico-chemical characterization of novel, nanostructured ceria-based high capacity absorbent materials synthesised in particulate and nanofibre form. Additional activities will concentrate on the use of the sorbent for the recovery of rare or high value (non-nuclear) elements extracted from e.g. waste electronic components.

Qualifications:

- Completed university studies of at least three years attested by a diploma and at least five years of professional experience, alternatively a doctoral diploma in Chemistry, Materials Science or related field;
- Practical experience of nanomaterials synthesis and characterisation methods including structural/morphological characterization methods such as electron-microscopy, specific surface area measurements (BET) and particle sizing by e.g. sedimentation and/or optical based methods (DLS, MALS) is essential;
- Knowledge in surface chemistry (XPS) analysis and inorganic analytical chemistry methods such as ICP-MS, TXRF is an advantage;

	<ul style="list-style-type: none"> • Good oral and written communication skills in English (B2) are essential, knowledge of other languages is an advantage; • Solid record of research activities relevant for the post including publications in international peer-reviewed journals is an advantage. <p>In addition, the following elements will be considered as an advantage:</p> <ul style="list-style-type: none"> • Ability to work in a team and multi-cultural environment; • The candidate is expected to be creative and work independently.
Directorate Unit	<p>Health, Consumers and Reference Materials Consumer Products Safety</p> <p>Exploratory Research Project: Creation of highly active nanoparticle filters for nuclear liquid waste decontamination (CONFINE)</p> <p>Further information is available at: https://ec.europa.eu/jrc/en/research-facility/nanobiotechnology-laboratory</p> <p>The Scientific Development Unit of the Strategy, Work Programme and Resources Directorate is in charge of the overall JRC Exploratory Research Programme. The operational scientific research will take place in the Consumer Products Safety Unit.</p>
Indicative duration	24 months
JRC Site Country	<p>Ispra</p> <p>Italy</p>
Rules and eligibility	<p>The candidate must be on any valid EPSO reserve list for Function Group IV contract staff.</p> <p>Applicants to the following Calls for expression of interest can also be considered:</p> <ol style="list-style-type: none"> 1. CAST Permanent - EPSO has launched in January 2017 an open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. Details available at the link below: https://epso.europa.eu/documents/2240_en 2. Call COM/1/2015/GFIV – Research - The JRC has launched in January 2015 a permanent call for researchers FG IV. Details available at the link below: https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</p> <p>Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period</p>

	<p>of employment within the Commission under this type of contract, including any period under renewal, shall not exceed 6 years.</p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p>
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