

Job Title: Research fellow in polymer chemistry or/and MOF for PFAS elimination - Paris region (France)

Starting date: 1 April 2024

Qualifications: Ph.D. degree in Chemistry or Material Science

Project term: 12 months

Location: East Paris Institute of Chemistry and Materials, Thiais, CNRS, Paris region, FRANCE

Topics: PFAS, or perfluoroalkyl and polyfluoroalkyl substances, are a group of chemicals that is used in a wide range of industrial and consumer products. These chemicals are known for their resistance to heat, water, and oil, which makes them ideal for use in products such as non-stick cookware, food packaging, and stain-resistant clothing. However, the widespread use of PFAS has raised severe concerns about their potential health effects and environmental impacts. The other main concerns with PFAS is that they are extremely persistent in the environment. This has led to widespread contamination of soil, water, and air.

This position is part of a project which ambitions an efficient extraction and removal of PFAS from contaminated water.

Activities: The postdoctoral researcher will be responsible for development of the novel hybrid polymer/MOF nanoparticles, working directly with two academic teams from ICPME and ESPCI/ENS. She/he will have access to the complete portfolio of instruments in the hosting group to perform various experiments. She/he will be in charge of the data analysis, interpretation and dissemination. She/he will participate in complementary experimental campaigns carried out in large-scale international facilities (neutron diffraction sources).

Qualifications: We are looking for a candidate motivated by this project with a PhD in the field of polymer chemistry and material science and a prior experience with material studies and characterization methods. An experience related to porous materials will be considered as an advantage.

Work context: The position is funded by the DIM MaterRe from Paris IDF region. Thiais is located in Paris region. The initial appointment will be for 12 months. Gross salary: 2932-4204 euros monthly depending on experience.

Applications: <https://emploi.cnrs.fr/Offres/CDD/UMR7182-BENCOU-001/Default.aspx>

Applications, including curriculum vitae, cover letter and at least two recommendation letters should be sent to Dr. Benoit Couturaud (benoit.couturaud@cnrs.fr).

We are committed to promoting equal opportunity and diversity in science. The announcement of the position is valid until the position is filled.

Contact information:

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