

A 6 months post-doctoral position is available in Rennes at ENSCR-Chemistry and process engineering Team (CIP)-Start of the project on January 2023

On-site application of continuous non-thermal plasma / photocatalysis process for livestock building air treatment

ELEV'AIR project summary

The ELEVAIR project aims to reduce the environmental impact of animal production by developing a complete risk management solution Odor and Emissions atmospheric (NH_3 , NO_x and VOC pollutants). This involves preventive (identification of risk factors), curative (air treatment process) and a continuous monitoring program (sensors and measurement systems). The curative technique studied is based on the coupling of plasma and photocatalysis processes. The aim is to reduce emissions of ammonia and volatile organic compounds (VOCs) from the Agri-Agro (livestock, rendering, methanization) and industry sectors. Four partners, an air treatment equipment manufacturer, odour specialist, co-product processor and engineering research laboratory, are part of the Elev'air project. The objectives of the post-doctoral position will be to develop and test, in the laboratory and then in industrial sites, a global solution for the treatment of air pollution and to acquire knowledge on the modes of degradation of this pollution.

The post-doctoral duration is for 6 months and will begin on January 2023.

Education:

The candidates should have a PhD in environmental/chemical/process engineering, and be familiar with characterization techniques of indoor/outdoor air.

Strong background in (photo)catalysis and cold plasma will be appreciated.

After a first selection, the candidates will be interviewed.

Application:

Recommendation letters will be appreciated.

Remuneration to be discussed based on the candidate's experience.

Applications to send by email to:

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