



CHEMICAL
ENGINEERING
DEPARTMENT

PhD researcher adsorptive oxygen separation

The adsorption team of the [Department of Chemical Engineering](#) (Vrije Universiteit Brussel, Belgium) is looking for a PhD researcher to research the adsorptive separation of oxygen-rich gaseous streams emerging within a novel integrated carbon utilization process, this in the scope of a VLAIO funded project involving multiple partners. The focus is on fabricating and testing adsorbent structures for their oxygen separating performance: (I) formulating, shaping, characterizing adsorbents and (II) evaluating these for oxygen recovery (cyclic experiments, process modelling). To this purpose, you can make use of the available setups, synthesis knowhow and tools, and modelling expertise within the team.

We are looking for an active, creative and autonomous researcher, ready to work in a team and pursue a PhD diploma (4 years).

Admission requirements

Preferably, the candidate owns a degree in Chemical Engineering, Bio-engineering or (Physical) Chemistry. Experience is a plus, with more emphasis on materials formulations/shaping or process modelling.

Start date

As soon as possible or February 28th, 2022 at the latest.

Interested?

The candidates should contact Prof. Tom Van Assche at tom.van.assche@vub.be. Please send a complete Curriculum Vitae, with a recent photograph, and the names of two leading scientists who are ready to support your application and recommend you as an active, creative and autonomous researcher.