



NOTICE

BASIC INFORMATION

Position available within the research project entitled: "CarbON Valorisation in Energy-efficient Green fuels", project number: 818135, acronym CONVERGE

Title*: Research Assistant (PhD student)

Offer Description*: Relevant expertise in environmental evaluation and LCA methodology using tools such as GaBi software developed by PI International, as well as in computer aided process engineering using chemical simulation tools (ChemCAD, Aspen, Matlab/Simulink, etc.), general knowledge about biomass conversion systems with carbon capture, utilization and storage (CCUS) technologies, good knowledge about various methods and equipments used in process intensification, good knowledge of process integration of chemical/biochemical processes.

Researcher Profiles *:

- | | |
|---|---|
| <input checked="" type="checkbox"/> First Stage Researcher (R1) | <input type="checkbox"/> Recognised Researcher (R2) |
| <input type="checkbox"/> Established Researcher (R3) | <input type="checkbox"/> Leading Researcher (R4) |

Research field *:

Subresearch field: Chemical engineering, Chemical technology

Type of Contract*:

Job Status *:

Hours Per Month*: 45 hours

Application Deadline *: 16.04.2019

Envisaged Job Starting Date: 19.04.2019

Is the job funded through a EU Research Framework Programme? *

How to Apply *:

- **Contact person*:** Petrescu Letitia

- E-mail address*: letitiapetrescu@chem.ubbcluj.ro
- Internal Application form needed (.pdf files)

HIRING INFO & WORK LOCATION

Number of positions available*: 1 position

Company/Institute*: Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Cluj-Napoca, Romania

Department*: Department of Chemical Engineering

REQUIREMENTS

Required Education Level(se completează unul sau mai multe câmpuri, după caz)

Main Research Field*:

Level*:

Skills/Qualifications: PhD student with relevant expertise in computer aided process engineering using chemical simulation tools (ChemCAD, Aspen, Matlab/Simulink, etc.) and environmental evaluation based on LCA methodology (GaBi software), general knowledge about biomass conversion systems with carbon capture, utilization and storage (CCUS) technologies and biofuel production, process intensification methods, tools and equipments, integration of chemical/biochemical processes.

Specific Requirements:

- Relevant papers in the LCA field;
- Environmental evaluation using LCA methodology;
- Expertise in environmental evaluation using GaBi software;
- Biomass conversion systems for biofuel production;
- General knowledge about biomass conversion systems with carbon capture, utilization and storage (CCUS) technologies;
- Computer aided chemical engineering;
- Expertise in computer aided process engineering using chemical simulation tools (ChemCAD, Aspen, Matlab/Simulink, etc.);
- Expertise in intensification and integration of chemical/biochemical processes;

Required Languages(se completează unul sau mai multe câmpuri, după caz)

Language *

Level*

Language *

Level*

Required Research Experience(se completează unul sau mai multe câmpuri, după caz)

Research Field *

Years of Research Experience *

ADDITIONAL INFO

Contact person: Lect. Dr. Ing. Petrescu Letiția, e-mail: letitiapetrescu@chem.ubbcluj.ro

Project coordinator,
PhD Eng. Petrescu Letitia |