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NOTICE

BASIC INFORMATION

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

Title*: Chemical Engineer (master student)

Offer Description*: Relevant expertise in environmental evaluation and LCA methodology using tools such as GaBi software, 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.

Researcher Profiles *:

☑ First Stage Researcher (R1) ☐ Recognised Researcher (R2)

☐ Established Researcher (R3) ☐ Leading Researcher (R4)

Research field *: Engineering
Subresearch field: Chemical engineering, Chemical technology

Type of Contract*: Temporary

Job Status *: Part-time

Hours Per Month*: *60 hours*

Application Deadline *: 11.02.2019

Envisaged Job Starting Date: *15.03.2019*

Is the job funded through a EU Research Framework Programme? *
H2020

How to Apply *: email

- **Contact person*:** Petrescu Letitia
- **E-mail adress*:** 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

Department*: Department of Chemical Engineering

REQUIREMENTS

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

Main Research Field*: Engineering

Level*: Bachelor Degree or equivalent

Skills/Qualifications: Master 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, general knowledge about biomass conversion systems with carbon capture, utilization and storage (CCUS) technologies and biofuel production.

Specific Requirements:

- Environmental evaluation using LCA methodology

- Biomass conversion systems for biofuel production

- Computer aided chemical engineering

- General knowledge about biomass conversion systems with carbon capture, utilization and storage (CCUS) technologies

-expertise in environmental evaluation using GaBi software

-expertise in computer aided process engineering using chemical simulation tools (ChemCAD, Aspen, Matlab/Simulink, etc.)

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

Language * ROMANIAN

Level* Excellent

Language * ENGLISH

Level* Excellent

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

Research Field * Engineering

Years of Research Experience * 1 - 4

ADDITIONAL INFO

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

Project coordinator,

PhD Eng. Petrescu Letitia