

Researcher position available on Biomass Gasification

CNRS / Université de Lorraine has a Researcher position available beginning in October 2020 at Nancy (France).

The researcher will carry out experimental campaigns on an existing **gasifier pilot-plant**, with the help of an assistant. This is a 5 kg/h fluidized bed gasifier that produces **renewable syngas (H₂, CO, CH₄) from biomass**.



These experiments will imply different analysis and characterization: permanent gas analysis through on-line micro-GC, tar analysis through off-line GC and HPLC, ash characterization through elemental analysis and different safety characterization.

Successful applicants should have a Ph.D. in chemical engineering by beginning date of appointment. It would be appreciated that the applicant has some experience with pilot plant operation. Appointments are made for 1 year and may be renewed. The income is 2.7 k€ per month (before tax).

Applications must be submitted by e-mail to Pr. Guillain Mauviel (guillain.mauviel@univ-lorraine.fr). To be considered for this position, please attach a cover letter and resume.

References :

Lardier, George, Judit Kaknics, Anthony Dufour, Rudy Michel, Benjamin Cluet, Olivier Authier, Jacques Poirier, et Guillain Mauviel. « Gas and Bed Axial Composition in a Bubbling Fluidized Bed Gasifier: Results with Miscanthus and Olivine ». *Energy & Fuels* 30, n° 10 (20 octobre 2016): 8316-26.
<https://doi.org/10.1021/acs.energyfuels.6b01816>.

Hervy, Maxime, Damien Remy, Anthony Dufour, et Guillain Mauviel. « Air-blown gasification of Solid Recovered Fuels (SRFs) in lab-scale bubbling fluidized-bed: Influence of the operating conditions and of the SRF composition ». *Energy Conversion and Management* 181 (1 février 2019): 584-92.
<https://doi.org/10.1016/j.enconman.2018.12.052>.