

Duties

- performs solid-state fermentations in jars and tray bioreactor
- performs chemical analysis of lignocellulosic materials (fibers, proteins, carbon, nitrogen, heavy metals, sugars, polyphenolic compounds...)
- performs routine minor maintenance of HPLC, spectrophotometer, TOC analyser, VELP and Kjeldahl analyser
- trains new users on HPLC, spectrophotometer, TOC analyser, VELP i Kjeldahl analyser
- communicates with project partners regarding sample collections, shipping, etc.
- prepares reports summarizing the results of the analysis
- orders laboratory supplies
- in collaboration with and under the supervisor, develops and validates new analytical methods
- participates in group meetings/conferences and presents results of research

Skills/Qualifications:

Active use of the English language, both oral and written, hands-on experience in fermentation technology in bioreactors, hands-on experience with the operation, and maintenance of HPLC, excellent written and oral communication skills and the ability to work in a team, ability to meet strict deadlines, willingness to undertake necessary training and periodically deliver in-house training to others, intermediate knowledge of Excel, Word, data storage and management skills