

## **Analytical Protocol for the Characterisation of Solid Organic Fractions: Contribution for the Biochemical and Thermochemical Potential Assessment of Biomass**

Short introductory summary:

In the scope of the CONVERTE project an optimised and uniformed methodology was developed in order to better evaluate the use of endogenous biomasses for energy production by biochemical or thermochemical processes. A protocol for preparation and characterization was designed and validated by the use of biomass certified reference materials and quality control actions. Extensive analytical work was performed and the results were summarized in accordance with their relevance for either biochemical or thermochemical processes.

Presenter: **Mariana ABREU, Laboratório Nacional de Energia e Geologia (LNEG), Unidade de Bioenergia (UB), Lisboa, PORTUGAL**

Presenter's biography:

Mariana Abreu, Chemical Engineer, MSc. in Energy and Bioenergy and PhD Student in Bioenergy at NOVA University Lisbon (UNL). Currently carrying out research & development (R&D) in the CONVERTE Project, at the Bioenergy Unit of the National Laboratory for Energy and Geology (LNEG) in Lisbon, Portugal

*Biographies and Short introductory summaries are supplied directly by presenters and are published here unedited*

Co-authors:

M.A. Trancoso, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
T. Crujeira, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
R. Sousa, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
S. Calisto, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
J. Branco, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
A.C. Oliveira, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
P.C. Passarinho, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
M. Abreu, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
P. Moura, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL  
F. Gírio, Laboratório Nacional de Energia e Geologia - LNEG,I.P, Lisboa, PORTUGAL

Session reference: 2DV.2.2

Subtopic: 2.1 Production and supply of solid fuels and intermediates

Topic: 2. BIOMASS CONVERSION TECHNOLOGIES FOR HEATING, COOLING AND ELECTRICITY