

**Title: Morocco between challenges and opportunities: renewables energies, bio-based products Market**

Lamia Saadoun, Alessio Campitelli, Jan Kannengiesser, Naaila Ouazzani,

1Laboratory of Hydrobiology, Ecotoxicology, Sanitation and Global Change (LHEAC-URAC33), Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakesh, Morocco

2Department of Civil and Environmental Engineering, Institute IWAR –TU Darmstadt, Germany

**I. Abstract Body (up to 250 words)**

With the changes that environment known through the overuse of fossil energy; researches and government focus on different ways to substitute. In Morocco, dependency on fossil fuels is very important as it is estimated to be about 68%. In addition to that, Morocco still has to import coal, natural gas and oil in order to meet its energy consumption needs. With the growing demand, it is necessary to come up with solutions to compensate the need. It is clearly obvious an important gap between energy consumption and energy

production.

Renewable energies such as solar and wind energies are the plan considered by the government to fill in the gap. Morocco's interest for sustainable development has increased during the last decades. Furthermore, Morocco incentive to reinforce the preservation of natural resources from exhaustion and depletion through many projects which use other sources for generate energies. According to a study previously done at Al Akhawayn University (AUI), they estimate the annual consumption in terms of petroleum diesel at AUI had been estimated to be about 687m<sup>3</sup> which generates 1876 tons of CO<sub>2</sub> per year. Regarding the gap existing between the consumption and production of fossil energy and negative consequences for using this latter; Morocco has gone towards creating market for renewable energies and bio-based products such as biodiesel from different sources.

**Acknowledgment:** These investigations were supported by Trans4Biotec project

**II. Biography (Up to 100 words)**

Lamia SAADOUN PhD student on the second year at the age of 25 years from Cadi Ayyad University at the faculty of sciences Semlalia.

[13th International Conference on Biofuels & Bioenergy; February 19-20, 2020; Dubai, UAE](#)

Citation: Lamia S (2020); Morocco between challenges and opportunities: renewables energies, bio-based products Market, Biofuel 2020, February 18-19, 2020; Dubai, UAE