

Novel Automated Method for Experimentally based Bio-crude Mixture Modelling

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Thermochemical decomposition employed in various biofuel production routes (pyrolysis, liquefaction, etc.) yields complex liquid mixtures (bio-crudes) containing numerous compounds. In this work, a software employing automated modelling of bio-crudes based on raw experimental data, has been developed. As there are many approaches to bio-crude modelling, the novelty of this method lies in the combination of minimization of the number of components needed and the minimization of the level of artificiality introduced in the system.

