A COMPUTER SIMULATION OF RESPONSE SURFACE METHODOLOGY FOR OPTIMIZATION OF ULTRASOUND-ASSISTED EXTRACTION OF OLIVE LEAVES

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Abstract– Modelling by computers is preferred in lots of study fields, since it reduces waste of material, labour and time. It also sends away people from the danger in the experiments or physical studies. Apart from those, its supporting the determination of experiments and results are continuing properly can be said as another advantage. According to the study field and science discipline, there are many various modelling techniques and methods. In this paper, a study made in chemical engineering discipline is modelled by the help of mathematics, statistics and computer science.

Keywords: Response Surface Methodology, extraction, modelling