Title: RECYCLING OF UNSATURATED POLYESTER RESIN

Reference: RECYCLE

Position Availability: 1 Student

Project Description:
Polyesters are used in various industrial applications. Polyester waste is a major environmental problem, especially in Turkey, where recycling is very limited. Unsaturated polyester resin is a thermosetting material, which means that the waste polyester cannot be melted and remolded again. This project aims to analyze the thermodynamic and economic efficiency of recycling unsaturated polyester resin waste via glycolysis.

Work Description:
- Literature survey
- Design of an experimental setup
- Experimental measurements
- Analysis of the collected data
- Discussion of the results

Required Qualifications and Skills:
- Basic knowledge on thermodynamics and chemistry