

Master Thesis Brief Description

Thesis Title	NG to Methanol and Production of biodiesel
Programme of Studies	BSc in Mechanical Engineering, Stream Oil and Gas, Frederick University
Course	ASOG 405 Senior Project
Area of Study	Sustainable Energy Technologies – Biomass assessment
Student's Name	Nicholas Afxentiou
Students Reg. Number	10186
Supervisor	Dr.-Ing. Paris A. Fokaides, Asst. Professor, Mechanical Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2019
Short Description	This project is designed to provide basic information about the conversion of processes to deliver biodiesel. The conversion paths of biomass to bioethanol are presented in this study. The assessment of different methods, suitable for Cyprus, based on the availability of the feedstock are also analysed. The study concludes with the experimental production of bioethanol, with the use of used cooking oil, and the demonstration of the process, the reactants and the products of the procedure.