

**King Khalid University**

**College of Engineering/Chemical Engineering Department**

**Graduation projects (Second semester 2017-2018)**

<b>Title</b>	<b>Supervisor</b>
Mathematical modelling and simulation of fixed bed gas adsorber.	Dr. Abdelfattah Ali Mohamed Amari
Dimensioning of an Exchanger (gas/gas) from a unit production of sulfuric acid.	Dr. Atef Mohammed El Jery
Design of a solvent extraction unit for producing base oils.	Pr. Hamed Nasser Ben Harharah
Adsorption study of CO <sub>2</sub> separation from combustion gases.	Dr. Mohammed Khaloofah Al Mesfer
Small Scale production of Potable water from Raw Water.	Dr. Muhammad Arshad Nadir Khan
Design of a Production Plant for Sodium Hydroxide.	Dr. Muhammad Ilyas Khan
Manufacture of Pulp & Paper Industry.	Dr. Hasan Mudassir
Manufacturing of Pulp & Paper Industry.	Haitham Abdelghafar Osman

**Graduation projects (First semester 2017-2018)**

<b>Title</b>	<b>Supervisor</b>
Production of Vinyl Acetate Monomer	Dr. Mohamed Adam Ismail
Design of Reactor for the Production of 1000 TPD Ammonia	Dr. Chandrakant Sukumar Sarkar
Studying different parameters on mixing processes	Dr. Ihab Mohamed Taha Shigidi

### Graduation projects (Second semester 2016-2017)

<b>Title</b>	<b>Supervisor</b>
Mobile Wastewater Treatment Plant.	Dr. Muhammad Arshad Nadir Khan
Adsorption of organic compounds on natural clay	Dr. Abdelfattah Ali Mohamed Amari
Experimental investigation of batch cooling crystallization of KCl	Dr. Mohammed Khaloofah Al Mesfer
LNG Processing	Dr. Haitham Mohamed Abdelghafar Osman
Molecular weight effect of PVC on physico chemical properties in pvc/graphene composites	Dr. Hasan Mudassir
Design of Vacuum Distillation	Dr. Moutaz Mustafa ElDirderi

### Graduation projects (First semester 2016-2017)

<b>Title</b>	<b>Supervisor</b>
Production of Ethanol by Catalytic Ethylene.	Pr. Hamed Nasser Ben Harharah
Boiler Calculations	Dr. Atef El Jery
Adsorption of Cadmium from aqueous solution by natural clay	Dr. Muhammad Ilyas Khan
Feasibility study for recycling waste PET bottles in the Saudi Arabia	Pr. Yasser Mohamed Fahmy

### Graduation projects (Second semester 2015-2016)

<b>Title</b>	<b>Supervisor</b>
Extraction of Pot. Bicarbonate from Polyamide-6 Pellets	Dr. Mohammed Khaloofah Al Mesfer
Production of Sodium Dichromate	Dr. Moutaz Mustafa ElDirderi
Recovery of Lube Oil	Dr. Haitham Mohamed Abdelghafar Osman
Production of Ceramic Tiles	Dr. Muhammad Arshad Nadir Khan

### Graduation projects (First semester 2015-2016)

Title	Supervisor
Re-Refining of Used Lubricating Oil- Design capacity 50,000 Tones/year	Dr. Mohammed Khaloofah Al Mesfer
Production of Ethylene Glycol from Ethylene Oxide.	Dr. Muhammad Arshad Nadir Khan
Plant design of delayed coking unit	Pr. Hamed Nasser Ben Harharah
Assessment of consumption of polyethylene/plastic bags in Abha city (KSA): Quantification, disposal, alternatives, impact on health and environment and mitigation – through filed survey.	Dr. Chandrakant Sukumar Sarkar
Calculation of solar water heating flat plate collectors in Abha-city.	Dr. Atef El Jery

### Graduation projects (Second semester 2014-2015)

Title	Supervisor
Biodiesel Production from Algae- Design capacity 50, 000 Tones/year base oil	Dr. Mohammed Khaloofah Al Mesfer
Production of Paints.	Dr. Muhammad Arshad Nadir Khan
Plant design of fluid catalytic cracking unit.	Pr. Hamed Nasser Ben Harharah
Technical measures of air pollution control in the iron and steel industry..	Dr. Chandrakant Sukumar Sarkar
Solar radiation calculation and optimum tilt angle determination for flat plate collectors in Abha-city.	Dr. Atef El Jery
Production of ethanol	Dr. Moutaz Mustafa ElDirderi
Design of sulfuric Acid Cooler: kern Method	Dr. Abdelfattah Ali Mohamed Amari

### Graduation projects (First semester 2014-2015)

Title	Supervisor
Production of Acrylic acid	Dr. Mohammed Khaloofah Al Mesfer
Design of a plant for the manufacture of 100,000 tons/year Polyethylene Terephthalate.	Dr. Muhammad Arshad Nadir Khan
Plant design of isomerization process unit.	Pr. Hamed Nasser Ben Harharah
Joined KKU after this semester.	Dr. Chandrakant Sukumar Sarkar
Design of distillation column	Dr. Moutaz Mustafa ElDirderi
Corrosion Protection of Carbon Steel by Clay Modified Paints	Dr. Muhammad Ilyas Khan