

**Master Thesis:**

<b>N</b>	<b>Year</b>	<b>Title</b>	<b>Student</b>	<b>Advisor</b>
1	1990	Extraction of Phosphoric Acid from Saudi Phosphate Ore,	Salah Abdel-Razak	Tariq al-fariss
2	1990	Rheology and Flow Behavior of Polymer Solutions through Porous Media,	Saeed Al-Zahrani	Tariq al-fariss
3	1990	Beneficiation of Saudi Phosphate Rock by Flotation,	Abdulrahim Abdulrazak	Tariq al-fariss
4	1993	Calcination of Saudi Phosphate Rocks in the Fluidized Bed,	Waleed Ibraheem	Tariq al-fariss
5	1993	A Study Of The Catalysts Used For The Control Of Automotive Exhaust Emissions In The Kingdom Of Saudi Arabia,	Abdullah AlKoryshy	Ibrahim AlMutaz, Yousef AlZeghayer
6	1997	Performance Study of Manfouha I and II RO Plants,	Bandar A. al-Sultan	Ibrahim al-Mutaz
7	1998	On-line tuning Strategy for Linear Model Predictive Control Algorithms,	Ashraf Ghazzawi	Emad Ali, Adnan Nouh
8	1998	Static and Dynamic Bifurcation Behavior of Industrial Fluid Catalytic Cracking (FCC) Units,	Abdulaziz alMutlaq	Ahmed Abasaheed, Emad Ali
9	1998	Dynamics Modeling and Simulation of an Ethylene Dimerization Reactor,	Fadi M. Trabzouni	Mostafa Suliman Khlaid al-Humaizi
10	1999	Applying flowsheeting technologies for waste water treatment,	Abdul-Aziz alKhodair	Khalid alhumaizi
11	1999	Effect of Cooper Additives on the Corrosion Behavior of Steel Alloys,	Ghazy M. al-Harthy	M. E. al-Dahshan
12	1999	Selection of Energy Efficient Flowsheet for the Separation Section in Ethylene Production Plants,	Mutaeb alotaibi	Mustafa Suliman, Alaa, Idress
13	2000	Experimental Investigation of Scale Formation and Control in Desalination Plants,	Saad M. al-Jaleel	Malik al-Ahmad
14	2000	Kinetic Study for Ethane Oxydehydrogenation Reaction to Acetic Acid Over Promoted VPO Catalyst,	Saeed al-wahabi	Anees Fakeeha
15	2000	Atmospheric corrosion behavior of some steel alloys,	M . AL- Abullatif	Mansour AL-hazzaa
16	2000	Dynamic Modeling and Control of Industrial Reactors for Methanol Converters,	Sami al-osaimi	Abdulhamid Ajbar, Emad Ali

17	2001	Modeling and Bifurcation of 1,2 Dichloro Ethane by Oxidation of Ethylene in a Fluidized Bed Reactors,	Abdulaziz M. Al-jedae	Kamil Wagialla, Saeed AlZahrani
18	2001	The Application of Column Flotation Technology in the Beneficiation of Saudi Phosphate Ores,	Medawi AIGahtani	Tariq al-fariss
19	2001	Stability Analysis of fixed Bed Reactor for Ammonia Production	Saqar, A. al-Musa	Kamil M. Wagialla
20	2002	Control Of Fluidized Bed Reactor for Ethylene Polymerization,	Wajeh Moughrbiah	Emad Ali
21	2002	Methane Conversion Using Supported Nickel Catalysis,	Ahmad. al-Fatish	Anees Fakeeha
22	2002	Modeling of Cathodic Protection Systems for Buried Structures,	Mohammed W. Tahir	Maher al-Odan
23	2003	Atmospheric Corrosion of Copper, Alumina, and Iron,	Abdulaziz al-Ghyama	Maher al-Odan
24	2003	Silica Removal in Water Purification Plants,	Ibrahim Al-enzi	Ibrahim al-Mutaz
25	2003	Modeling and Simulation of Butadiene Production from Butane by Dehydrogenation in a Packed Bed Reactor with Membrane,	Majid . al-Mutairi	Ahmed Abasaheed
26	2004	Steady State Modeling of Activated Sludge Process in Wastewater Treatment Plants in Riyadh,	Absullah S. al-Muzaini	Ibrahim AlMutaz, Ahmad Abasaheed
27	2004	Using MTBE as an Additive to Target High Quality Unleaded Motor Gasoline Production in Saudi Refinery,	Tariq N. al-shaie	Hamid Mustafa, Ibrahim alMutaz,
28	2004	Optimal Catalyst Activity Profiles in Catalyst Pellets for Propane Dehydrogenation,	Khalid S. Al-Wadie	Yusuf AlZeghayre
29	2004	Theoretical Investigation of Stability of Recombinant DNA Cultures in Continuous Stirred Tank Reactors,	Waleed al-Olwan	Abdulhameed Ajbar
30	2004	Study of Thermodynamic Properties and Performance of Gaseous Detonations,	Mufleh M. Alshahrani	Abdulhameed Ajbar
31	2004	Modeling and Simulation of Reactor Multiplicity for Ethylene Oxide Production,	Abdulaziz. Abahusain	Khalid Alhumaizi
32	2005	Optimum Production of Water and Power in MSF Desalination Plants,	Abdullah. Al-namlah	Ibrahim AlMutaz
33	2005	Modeling of Thermal and Brine Dispersion from Coastal MSF Desalination Plants,	Abdullah al-Mejaly	Ibrahim alMutaz, Mohammad Abashar

34	2005	One Directional Shock Waves in Reactive Flow: Simulation and Stability Study,	AbdulRahman Abdulaziz	Tariq alFariss
35	2005	Characterization of Coated Pipelines,	Ghazzai Al-mutairi	Maher al-Odan, Frag Abdulaleem
36	2006	Experimental Investigation of Shallow Bubble Column Hyodynamics Using Electrical Capacitance Tomography,	Fouad Mousa	Waheed alMasry, Saleh al-shebaili
37	2006	Oxidative Dehydrogenation of Propane to Propylene Over Supported Molybdenum-Nickel Oxide Catalyst,	Mohammad al-Misfer	Ahmad Abasaheed, Saeed M. al-Zahrani
38	2006	Removal of Volatile Organic Pollutant from Water Using Air Adsorptive Transport in Bubble Columns,	Mohammad al-Zamil	Fahad alMubaddel
39	2006	Preparation and Testing of Supported Metal-Ion Exchanged Zeolite Catalysts for the Selective Conversion of Cyclohexane,	Abdul-Aziz Al-Airafy	Fahad alMubaddel
40	2006	Optimal Distillation Sequence for the Separation of a Mixture of Hydrocarbons	Sultan A. al-otaibi	Fahad alMubaddel, Waheed alMasry
41	2006	Performance Evaluation of Design Parameters of Wire Mesh Mist Eliminator in Bubble Columns,	Abdullah al-Dughaiter	Waheed alMasry, Hamid Mustafa
42	2006	Multivariable Identification of Industrial Process for MPC Application,	Saad, A. al-Shammary	Emad Ali, Khalid Al-humaizi
43	2006	Effect of Promoters and Shapes on Catalysis Performance in Ethane Conversion to Ethylene by Oxidative Dehydrogenation,	Turki A. Alsemari	Yusuf AlZeghayre, Mohamad Abashar
44	2006	Direct Synthesis of Dimethyl Carbonate from Carbon Dioxide and Methanol,	Fahad S. al-Zimami	Yusuf al-Zeghayre, Khlaid al-Misatair
45	2008	Performance Optimization of Coagulation / Flocculation in the Treatment of Wastewater From Polyvinyl Chloride Plant,	Khild Rumaihi	AbdelHamid Ajbar
46	2008	Aromatization of Propane over modified H-ZSM-5 Zeolite,	Saeed M. al-Shihry	Saeed alZahrani, Ahmed Abasaheed
47	2008	Rheology of Metallocene Linear Low Density Polythlene (m-LLDPE) Solution,.	Bahsir Alshamri	Tariq alFariss, Faris Alswalim
48	2008	Modeling and Simulation of a Reactive Distillation Unit for Production of MTBE, 2008	Fahad M. Alharthi	Ahmed Abasaheed
49	2008	Modeling of Membrane Fouling and Flux Decline in Reverse Osmosis Desalination Plants,	Ahmed Hyadra,	Ibrahim AlMutaz
50	2008	Nitrogen Removal from Natural Gas Using Membrane Technology,	Fahad A. AlMalki	AbdulRahman AlRabiah

51	2008	Ethane Dehydrogenation to Ethylene using membrane catalytic Reactors,	Ali I alhammad	Abdulrahman alrabiah, Khalid al-Humaizi
52	2008	Development of Zirconium Catalyst for Optimization of n-Butane,	AbdulRazaq alShamary	Yusuf al-Zeghayre Abdulhamid Ajbar
53		Fouling and its Control in Heat Exchangers,	Nawaff N. al-Mutairi	Malik al-Ahmad
54		Fouling Formation in RO Membrane Systems,	Aayd. M. al-Mutairi	Malik al-Ahmad
55		Hydrodynamics of Flotation Columns,	Ahmad Y. al-Hazmi	Tariq F. al-Fariss
56		Simulation of Bubble Columns by Computational Fluid Dynamics,	Sultan S. al-Khamshi	Waheed al-Masry
57		Optimal Design of Hybrid RO/MSF Desalination Plants,	Abdullah Al-Khudhiri	Ibrahim Al-Mutaz
58		Ethane Dehydrogenation to Ethylene using membrane catalytic Reactors,	Ali I alhammad	Abdulrahman alrabiah, Khalid al-Humaizi
59		Optimization and Simulation of a Low Temperature Distillation Column for Air Separation Using The Panchon-Savarit Method	Saad Nour AlUdhailah,	Mourab Boumaza