

### 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 Nough
8	1998	Static and Dynamic Bifurcation Behavior of Industrial Fluid Catalytic Cracking (FCC) Units,	Abdulaziz alMutlaq	Ahmed Abasaeed, Emad Ali
9	1998	Dynamics Modeling and Simulation of an Ethylene Dimerization Reactor,	Fadi M. Trabzouni	Mostafa Suliman Khlaide 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-hazaa
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 Dichloroethane 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 AlGahtani	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 Abasaeed
26	2004	Steady State Modeling of Activated Sludge Process in Wastewater Treatment Plants in Riyadh,	Absullah S. al-Muzaini	Ibrahim AlMutaz, Ahmad Abasaeed
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, Farang 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 Abasaeed, 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-Dughaiher	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, Khalid al-Misatir
45	2006	Simulation of Bubble Columns by Computational Fluid Dynamics,	Sultan S. al-Khamshi	Waheed al-Masry
46	2006	Optimal Design of Hybrid RO/MSF Desalination Plants,	Abdullah Al-Khudhiri	Ibrahim Al-Mutaz
47	2006	Fouling and its Control in Heat Exchangers,	Nawaff N. al-Mutairi	Malik al-Ahmad
48	2007	Fouling Formation in RO Membrane Systems,	Aayd. M. al-Mutairi	Malik al-Ahmad
49	2008	Performance Optimization of Coagulation / Flocculation in the Treatment of Wastewater From Polyvinyl Chloride Plant,	Khild Rumaihi	AbdelHamid Ajbar
50	2008	Aromatization of Propane over modified H-ZSM-5 Zeolite,	Saeed M. al-Shihry	Saeed alZahrani, Ahmed Abasaeed

51	2008	Rheolgy of Metallocene Linear Low Density Polythlene (m-LLDPE) Solution,.	Bahsir Alshamri	Tariq alFariss, Faris Alswalim
52	2008	Modeling and Simulation of a Reactive Distillation Unit for Production of MTBE, 2008	Fahad M. Alharthi	Ahmed Abasaeed
53	2008	Modeling of Membrane Fouling and Flux Decline in Reverse Osmosis Desalination Plants,	Ahmed Hyadra,	Ibrahim AlMutaz
54	2008	Nitrogen Removal from Natural Gas Using Membrane Technology,	Fahad A. AlMalki	AbdulRahman AlRabiah
55	2008	Ethane Dehydrogenation to Ethylene using membrane catalytic Reactors,	Ali I alhammad	Abdulrahman alrabiah, Khalid al-Humaizi
56	2008	Development of Zirconium Catalyst for Optimization of n-Butane,	AbdulRazaq alShamary	Yusuf al-Zeghayre Abdulhamid Ajbar
57	2009	Optimization and Simulation of a Low Temperature Distillation Column for Air Separation Using The Panchon-Savarit Method	Saad Nour AlUdhailah,	Mourad Boumaza
58	02/2010	Study of the Performance of Emulsion Process Using Porous Agglomerated Ammonium Nitrate Prills	Salah B. AlEnezy	Fahad Almubaddel
59	06/2010	Reverse Osmosis Productivity Enhancement by Vibrating membrane	Fahad AlJam'an	Ibrahim AlMutaz
60	6/2010	Integration of MSF/RO Hybrid Desalination Plants	Talal alshammary	Abdulrahman alrabiah
61	06/2010	Oxidative Dehydrogenation of Propane to Propylene over $\gamma$ - $Al_2O_3$ supported V-Mo Catalysts.	Milana Putra	Saeed alzhairani Ahmed abasaeed
62	01/2011	Enhancement of Polyolefin Properties using different Masterbatches of Nano-Materials	Ahmed Hafidh	Mohammad Alhajali Rabih elaitthy
63	01/2011	Modeling of Nanofiltration Process for Desalination Pretreatment	Mohammad alDehani	Ibrahim AlMutaz
64	01/2011	Theoretical and Experimental Study of the thermal and Hydraulic Performance of a Mechanical Vertical Cooling Tower	Faris A. Alzahrani	Mourad Boumaza
65	03/2011	Improvement of Fluidization of Nano Particles by Particle Mixing and Pulsated Flow	Sayd Sadiq Ali	Mohammad Asif
66	12/2009 06/2011	Modeling of Carbon Dioxide Release in MSF Desalination Plants	Ali Alomair	Ibrahim AlMutaz
67	01/2010 01/2012	Development of a Catalyst Containing Nano Palladium Supported on Titania for the Partial Oxidation of Ethane Gas	AbdulRahman Alawadi	Yousef AlZeghyer
68	02/2010	Investigation and Removal of the Hazardous and Radioactive Materials in Saudi Phosphate Ores	Mosa A. AlHazmi	Tariq AlFariss
69	06/2010 04/03/2012	Development of Nanofiber Membrane of the Removal of dyes from Aqueous Medium	Fikry AbulRaqeeb	Yousef AlZeghayer

70	12/2010 01/2012	Techn-Economic Production of Petrochemicals from Liquid and Gaseous Feed Stocks in Saudi Arabia	Munther AlSudais	Kamil Wagialla
71	03/2011 01/2013	Preparation and investigation of the electrocatalytic activity of platinum coated titanium oxide nanotube arrays	Mohammad Kamuldin	Mansour alhoshan
72	05/2011	Liquid-Liquid Equilibrium for Aliphatic Hydrocarbon Extraction systems with Deep-Eutectic Solvent	Nasser AlQahtani	Inas AlNashif
73	11/2011 05/2012	Preparation & Characterization of HDPE-Biodegradable Fiber Reinforced Composites	Mohamad Rizal	Saeed Alzahrani
74	11/2011	A Study of Degradation and Stabilizations for Linear Density Polyethylene Films Used as Greenhouse Covering Materials	Mohamad Tausikal	Othman alothman Ilias Ali
75	12/2011	Preparation of Functionalized Polyacrylonitrile Nanofibers for the Extraction of Dyes from Aqueous Media	Fayez agag	Waheed almasry
76	05/2012	Modeling of catalytic tube characteristic in steam reformer using a simulation program	Abdullah alkhateeb	Mourad Boumaza
77	05/2012	periodic control of a wastewater treatment process to enhance the process productivity	Mohamad Rizwn Azhar	Emadadeen Ali
78	05/2012	Preparation and characterization of chitosan / polymeric blend hydrogels	Mohamad Ijaz	Fahad almubaddek
79	05/2012	Separation of butenes from butanes using facilitated transport membranes	Mohamad Naeem Iqbal	AbdulRahman Alrabiah
80	05/2012	production of fructose and bioethanol from dates syrups	Mohama Zain alaabedeen	Ahmed Abasaeed
81	05/2012	Dry reforming of methane on nano – supported nickel catalysts	Mohamad Awais Naeem	Anis Fakeeha
82	05/2012	Photocatalytic production of hydrogen from ethanol-water solution using TiO <sub>2</sub> -ZnO	Meshael aljuhani	Yousef AlZeghyer
83	05/2012	Application of water pinch analysis for water and wastewater minimization in petroleum refinery	Wasif Mughaith	Malik alahmad Mahmoud elhalwagi
84	05/2012	Forecast of Long Term Needs of Sea Water Desalination Plants for Riyadh City	Yasir Khalid	Abdelhamid Ajbar
85	05/2012	Evaluation of Sulfate Depressant in Phosphate Floatation	Yasir Arafat	Tariq alFariss
86	01/2013	Preparation and Characterization of Novel Thermoplastic Polymers/Chitosan Polymer Nanofibers for Water Applications	Hamad alrumaih	Fahad almubadeel
87	01/2013	Preparation and Characterization of	Fahad alshabonah	Mansour alhoshan

		Polysulfone/Poly (ORTHO-TOLUIDINE) Nanocomposite Membranes for Water Application		
88	05/2013	Catalyst Development for Hydrogen Production via Catalytic Decomposition of Methane	Wasimullah khan	Anis Fakeeha
89	05/2013	Investigation of the Corrosion Resistance of Epoxy/Polyamide Coating filled with Nano- sized Metallic Oxide Particles	Rawais khan	Mourad Boumaza
90	05/2013	investigation of Corrosion Performance of EEpoxy/Polyamide nano Coatings Filled With Conducting Polymers	Ubair Abdus samad	Othman alothman
91	05/2013	Development of Novel HDPE- PBI Fiber Reinforced Composites With Improved Thermo-Mechanical Properties	Shan Faiz	Saeed alzhahrani
92	05/2013	De-agglomeration of nano-powders using assisted fluidization techniques	Ibrahim hamadah	Mohamed Asif
93	05/2013	Optimization of location of thermo- compressor suction in MED-TVC desalination plants	Irfan Wazeer	Ibrahim Almutaz
94	12/2013	Modeling of Membrane Distillation Process for Water Desalination	Abdulaziz almutek	Ibrahim Almutaz
95	12/2013	Application of hybrid fluidization techniques for promoting deagglomeration of nano powder	Abdulrahman alkhider	Mohammad Asif