

**National Centre of Excellence in Physical Chemistry, University of  
Peshawar, Pakistan**

**Ph.D Scholars Produced**

<b>S.No.</b>	<b>Scholar Name</b>	<b>Supervisor Name</b>	<b>Thesis Title</b>	<b>Year</b>
1.	Zahoor Ahmad	Dr.H.A.Kazmi	Kinetics of reaction of atomic hydrogen with ethane	1974
2.	Sabz Ali	Dr.Noor Ahmad	Molecular weight and Particles size determination of Polyethylene single crystals by light scattering Techniques	1976
3.	Musa Kaleem Baloch	Dr.Noor Ahmad	Characterization of Polymer and colloidal particles by light scattering Techniques	1981
4	Shakila Begum	Dr.H.A.Kazmi	Kinetics of Hydrolysis Ester in neutral medium	1982
5.	Nasim Rehana	Dr.Noor Ahmad	Structural Characterization of organo-Halo compound by dipole moment measurement	1982
6.	Iqrar Hussain Zaidi	Dr.Noor Ahmad	Characterization of Polymer and colloidal particles by light scattering Techniques	1982
7.	Tayyba Khatoon	Dr.H.A.Kazmi	Kinetics of reactions of Florine atoms with alcohols	1983
8.	Fazalullah	Dr.S.Mustafa	Phosphate adsorption studies in soils	1985
9.	Lal Khan	Dr.Mansoor Ahmad	Physico-Chemical studies of Hemi cellulose and lignine	1985
10	Zahoorullah	Dr.Lutfullah	Physico-Chemical Characterization of normal human blood.	1986
11.	Javaid Ehsan	Dr.Noor Ahmad	Characterization of Polymer and colloidal particles by light scattering Techniques	1986
12.	Inayatullah Khan	Dr.Noor Ahmad	Characterization of Nylon-12(Polymer)by various techniques	1986
13.	Hafizullah	Dr.Mansoor Ahmad	I.R.studies on H-bondingHalogenated alcohols.	1987

14	Hafeez-ur-Rehman	Dr.Lutfullah	Ion Exchange Properties of new crystalline inorganic ion exchange	1987
15	Ikramul Haq	Dr.S.Mustafa	Sorption of metal ions at the oxide/liquid	1988
16.	Gulzar Ahmad	Dr.Hasan M.Khan	Radiation Dosimetry using dyed and undyed polymethylmethacrylate plastics	1989
17	Alam Zeb	Dr.Lutfullah	Determination of Environmentally important heavy metals ions by voltametric techniques	1989
18	Samad Yar Hussain	Dr.S.Mustafa	Phosphate Sorption in Anion exchanger	1990
19	Muhammad Subhan	Dr.Noor Ahmad	Study of selected compounds and mixture analysis by negative ion field desorption mass spectrometry	1990
20.	Muhammad Safdar	Dr.S.Mustafa	Sorption of Metal ions at the hydrous alumination cr <sub>2</sub> Z <sub>2</sub> /water interfaces	1991
21	Jamshaid H.Zaidi	Dr.H.A.Kazmi	Radiochemical studies on the formation of radioisotopes of iodine in deuteron & Neutron induced reactions on Tellurium & Xenon	1991
22	Salma Khatoon	Dr.H.A.Kazmi	Yield and composition of Biogas resulting from methanogenic fermentation of various substrates.	1991
23	Tasleem Akhtar	Dr.Mansoor Ahmad	Studies on Lignin's based adhesives.	1991
24	Mian Said Wahid	Dr.Hasan M.Khan	High Dose Radiation Dosimetry using plastic films.	1991
25.	M.Saleem Khan	Dr.Noor Ahmad	Laser Light Scattering and viscosity studies of Poly(Vinyl Chloride)	1991
26	Bashir Ahmad	Dr.Noor Ahmad	Rheological and characterication studies of Poly(Vinyl Pyrolidone) Polymer	1991
27	Shahida Shamim	Dr.Mansoor Ahmad	Complexation of alcohols with different bases	1991
28	Sajida Noor	Dr.H.A.Kazmi	Pollution studies of Industrial effluents	1992
29	Abdur Rashad	Dr.Noor Ahmad	A Thermodynamics study of the supermoleculcar order in aqueous solutions	1992
30	Sabiha Nazli	Dr.Mansoor Ahmad	Kinetics studies of Tannin	1992

			Formaldehyde reaction using metal ions as catalyst	
31	Ali Khan Bhattani	Dr.Noor Ahmad	Rheological & light scattering investigations of polystyrene polymer	1992
32	Ikramullah	Dr.I.A.Awan	Pyrolysis studies of Indigenous Coal	1993
33	Fazli Khuda	Dr. Fida Mohammad	Synthesis & Characterization of Transition metal complexes having four membered-B-N-B-N rings (Diazadiboretidine)	1994
34	Hidayatullah	Dr.M.Saleem Khan	Photo-oxidative and laser studies on edible oils and fats	1994
35	Abad Khan	Dr.M.Ilyas	The Use of Cr <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> as support for platinum catalyzed conversion of cyclohexane to Benzene	1995
36	Hizbullah Khan	Dr.M.Ilyas	Preparation and activation of Cu/Cr <sub>2</sub> O <sub>3</sub> catalysts for the oxidation and non-oxidative dehydrogenation of cyclohexane and isopropanol at T > 300 OC	1995
37	Khalid Khan	Dr.H.M.Khan	Measurement of natural radioactivity levels in fertilizer and construction materials	1995
38	Abdul Naeem	Dr.S.Mustafa	Sorption Properties of metal (III) Phosphates	1995
39	Mukhtiar Ali	Dr.I.A.Awan	Kinetics and mechanism of the Gas Phase thermal decomposition of substituted cyclohexane.	1996
40	Khalid Mehmood	Dr.Akhtar Saeed	A study of the Dilute solution properties of poly(methylmethacrylate)in various solvents	1996
41	Muhammad Anwar	Dr.H.M.Khan	Measurement of High & Low Doses of Ionizing Radiation using aqueous solutions.	1996
42	Ijaz Ahmad Bhatti	Dr.H.M.Khan	Analytical Methods for the Detection of Irradiated Foods	1996
43	Bakhtiar Muhammad	Dr.Fida Muhammad	Synthesis & Characterization of organometallics of cyclobutadine Homologes four Membered B-N-B-N rings with Transition Metals	1997
44	Khalida Akhtar	Dr.Ikramul Haq	Chemical Dynamics of nano-dispersed colloidal fine particles	1998

45	Subhanullah Shah	Dr.M.Ilyas	Factors Affecting the Activity of Solid catalysts for C-H & C-C bond cleavage of Hydrocarbons	1998
46	Ume Kulsoom	Dr.Akhtar Saeed	Equilibrium & Dynamical Properties of Polymer in solution	1991
47	Sirajuddin	Dr.Lutfullah	Electrolytic recovery of some heavy Ms	1999
48	Mr. Masood Khan	Prof. M.Ilyas	Preparation and Characterization of Copper-Chromia Supported Catalyst	2001
49	Ms.Jamila Begum	Prof. Dr.Lutfullah	Electrodeposition of Heavy Metal Alloys on Surfaces	2001
50	Ms.Shahida Parveen	Prof. Dr.S.Mustafa	Sorption of Metal Ions of the Oxide/Liquid Interface	2002
51	Mr.S.Tasleem Hussain	Prof. Dr.S.Mustafa	Charge Characteristic of Oxide/Hydroxide in aqueous & organic solvents	2002
52.	Ms.Dil Ara Begum	Prof. Dr.S.Mustafa	Sorption Properties of the Mixed Oxides/Hydroxides	2003
53.	Mr.Ashfaq Ahmad Khan	Prof.Dr.Hasan M.Khan	New Analytical Methods for Identification of Radiation Treatment of Foods and Radiation Dosimetry	2004
54	M.Javid	Prof. Dr.S.Mustafa	Effect of Heat Treatment Sorption of Properties Al(III) Phosphate	2004
55	Ms.Tahira Mahmood	Dr.Iftikhar A.Awan	Flash Pyrolysis of Indigenous Coal Utilizing effective Radical Transfer	2004
56	Mr.Hamid Ali	Prof. Dr.S.Mustafa	Froth Flotation Studies of the Copper Ores	2004
57	Mr.Mumtaz Hussain	Prof. Dr.M.Ilyas	The Catalytic Dehydrogenation of Cyclohexanon in Liquid Phase-A Comparative Study of Photo assisted and dark Reactions	2005
58	Mr.M.Tariq Jan	Prof. Dr.M.Ilyas	Reduction of Nitrogen Oxides by Ammonia over Iron Containing Catalysts	2005
59	Mr.Najeeb-ur-Rehman	.Dr.M.Saleem Khan	Interaction Studies Between Water Soluble Polymer & Charged Surfactants	2006
60	Mr.Zulfiqar Ali Raza	Dr.M.Saleem Khan	Production of Bisurfacatants from Industrial Waste Materials	2007
61	Mr.Jan Nisar	Dr.Iftikhar A.Awan	Kinetics & Mechanism of the Gas Phase Thermal	2007

			Dehydrogenation of some halogenated hydrocarbon	
62	M.Abid Zia	Prof. Dr.M.Ilyas	Investigation of Catalytic Efficiency of Copper/Zirconia and Platinum and Platinum and Zirconia Catalysts by using isopropanol(2-Propanal ) conversion as model Reaction at Temp 200<Co	2007
63	M.Ghazanffar Abbas	Prof. Dr.M.Saleem Khan	Recycling & Characterization of Polyethylene Terephthalate(PET) waste	2009
64	Mr.Arshad Hussain	Prof. Dr.Lutfullah	Synthesis of Pitch Based Carbon Fiber	19.5.2009
65	Ms.Farahnaz Miroliei	Prof.Dr.M.Saleem Khan	Reheological and Viscometric Studies of Polymer Blends.	2009
66	Mr.M.Sadiq	Prof. Dr.M.Ilyas	Zirconia as a catalyst and as a support for noble Metal Organic Oxidation Reactions.	2009
67	Mr.M.Tahir Siddique	Prof. Dr.Abdul Naeem	Comparative Sorption Studies of Divalent Metal Ions Nickel Oxide (NiO).	2010
68	M.Saeed	Prof. Dr.M.Ilyas	Synthesis and Characterization of oxides of MNCO and Ni and investigation of their catalytic activities for organic oxidation reactions in liquid phase	2011
69	Ms.Farzana Haider	Prof. Dr.Ikramul Haq	Synthesis and characterization of Uniform fine particles of functional materials	2011
70	M.Iqbal Zaman	Prof.Dr.S.Mustafa	The effect of electrolyte anions on the sorption properties of Manganese Dioxide.	23.3.2011
71	M.Abdul Wasim	Prof.Dr.H.M.Khan	Application of Gamma Radiation and other Advance oxidation Technologies for the degradation of Textile Mills Effluents.	2011
72	Sadullah Khan	Prof. Dr.S.Mustafa	Sorption on Metal Ions Doped Goethite (FeOOH).	2011
73	M.Humayun	Prof.Dr.M.Saleem Khan	Synthesis and study of thin film composites of Poly(Vinyl Alcohol)-alumina)	2011
74	M.Waseem	Prof.Dr.S.Mustafa	Synthesis and Characterization of Mixed Oxides of iron and silicon for Cd <sup>2+</sup> Removal from	2011

			aqueous Solutions	
75	M.Taufique	Prof. Dr.M.Ilyas	Adsorption of Chromium from aqueous solution by Activated Carbon Prepared from Corncobs.	2011
76	Rahmat Gul	Prof. Dr.M.Saleem Khan	Studies on Solid Polymer Electrolytes Based on Poly (Vinyl Chloride).	15.10.2012
77	Tauqeer Ahmad	Prof. Dr.S.Mustafa	Ion Exchange Removal of Chromium from Tannery Waster	23.10.2012
78	Gulfam Nasar	Prof.Dr.M.Saleem Khan	Synthesis and Characterization of Nanocomposites of Water Soluble Polymers	24.4-2013
79	Uzma Khalil	Prof.Dr.M.Saleem Khan	Evaluation of Physics Properties of Ternary Polymeric Blends	1.7.2013
80	Sabiha Sultana	Prof. Dr.M.Saleem Khan	Fabrication and studies on thin film composites of Poly(Ethylene Oxide)	4.12.2013
81	Noor Samad Shah	Prof.Dr.Hasan M.Khan	Removal of Endosulfan from Water using Advanced Oxidation Techniques.	12.12.2013
82	Salah ud Din	Prof. Dr.Abdul Naeem	Arsenate Adsorption on Iron Hydroxide and Mixed Oxide of Iron and Silicon	20.1.2014
83	Javed Ali Khan	Prof. Dr.H.M.Khan	Removal of Atrazine from Aqueous solution Using Advanced Oxidation Techniques	18.5.2014
84	Khizar H.Shah	Prof.Dr.S.Mustafa	Kinetics and Thermodynamics of Chromium(III) Removal from Aqueous Solutions by the Organic Ion Exchangers	28.5.2014
85	Mohsin Siddique	Prof.Dr.M.Ilyas	Catalytic Oxidation and Degradation of Organic Compounds using supported Transition Metals/Metal Oxides.	5.6.2014
86	Nadir Khan	Prof.Dr.M.Ilyas	Removal of Heavy Metal Ions from Aqueous Solution by Activated Carbon Derived from Agricultural Waste	17.6.2014
87	Khaista Gul	Prof.Dr.M.Saleem Khan	Preparation and Characterization of Polymeric Composite Material.	30.9.2014
88	M.Ismail	Prof.Dr.H.M.Khan	Determination of Chlorinated Pesticides and Degradation of Chlorpyrifos in Water by Advanced Oxidation Process.	28.11.2014



**The remaining Ph.D scholar Thesis list for uploading on the centre website.**

<b>S.No</b>	<b>Scholar Name</b>	<b>Supervisor Name</b>	<b>Thesis Title</b>	<b>Year</b>
98.	Faiza Rehman	Dr. Hasan M. Khan	Degradation of some selected textile dyes in water by using, advanced oxidation process.	2016 xv, 156
99.	Asadullah	Dr. Abdul Naeem K.	Synthesis & characterization of MgTiO <sub>3</sub> CaTiO <sub>4</sub> based, microwave dielectric ceramics.	2016 xvii, 166
100.	Noor Saeed K.Khattak	Dr. M. Saleem Khan	Development & characterization of polymer-ceramic Nano-composites-effect of grapheme oxide & carbon nanotubes on these composites.	2017 xxviii,181