

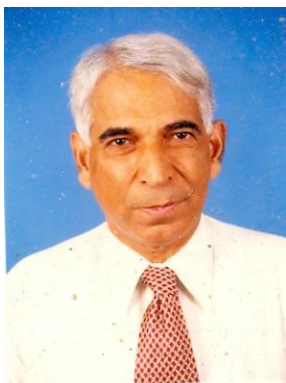
BIODATA

OF

PROF. MUHAMMAD NAWAZ CHAUDHRY,

(Ph.D)

(FELLOW PAKISTAN ACADEMY OF SCIENCES)



BIO-DATA OF PROF. DR. M. NAWAZ CHAUDHRY (FPAS)

Personal

Name: **Muhammad Nawaz Chaudhry**
Date of Birth: 29th July, 1942
Office Address: College of Earth & Environmental Sciences
University of the Punjab, Lahore
Tel: Off: 042-35953103 Cell: 0345-4005008
E-mail: muhammadnawazchaudhry@yahoo.com

Academic Record

- First Class career from Matric (1958) to M.Sc. (1964)
- Ph.D in Mineralogy (1967) from London University
- Post Doc in Structure & Tectonics (1996) from ETH Zurich, Switzerland

Fellowships

- Fellow Pakistan Academy of Sciences.
- Fellow Pakistan Academy of Geological Sciences.

Experience in Environmental Sciences

- ◆ Provided consultancy/Advisory services in the field of Environmental Impacts Assessment (EIA) to local and multinational organizations.
- ◆ Working as Professor of Earth & Environmental Sciences.
- ◆ Supervised / supervising BS, MS and M. Sc thesis in the fields of EIA and Environmental Management System (EMS).
- ◆ Supervised / supervising Ph.D, MS, BS and M. Sc thesis in the field of Solid Waste Management.
- ◆ Supervised / supervising Ph.D, MS, M. Sc thesis in the field of Waste Water Treatment.
- ◆ Carried out research through Application of Analytical Techniques to Environmental Problems

Academic Distinctions

- Merit Scholarship from F.Sc. to M.Sc.
- First Class & 1st position in B.Sc, B.Sc. (Hons.) and M.Sc. Geology.
- Gold Medal in M.Sc. Geology.
- Govt. College Academic Roll of Honor for 1963 and 1964.

Awarded Gold Medals for Outstanding Research By

- a) Punjab Geological Society
- b) Pakistan Academy for Geological Sciences
- c) Pakistan Academy of Sciences

Ranking in Earth Sciences

- In the Directory of Productive Scientist of Pakistan Published by PCST (in the field of Earth Sciences).
- Ranked as No. 1 in 2005.
- Ranked as No. 2 since then due to change in criteria.

Teaching & Professional Experience

- Demonstrator, Kings College, London (1965-1967)
- Lecturer, Punjab University 15.01.1968 to 24.10.1976, Assistant Professor, P.U. from 25.10.1976 to 17.09.1980, Associate Professor, P.U. from 18.09.1980 to 21.04.1988 and Professor, P.U. from 22.04. 1988 to 28.07.2002.
- Guest Scientist, ETH Zurich (05.04.1996 to 04.07.1996)
- Director, Institute of Geology (25.03.1997 to 03.01.2001)
- Director, Postgraduate Centre for Earth Sciences (10.01.2001 to 28.07.2002) and Director, Centre for Integrated Mountain Research (08.05.1999 to 16.12.2000)
- Consultant PMNH (MOST) from (12.08.2002 to 10.11.2002)
- Professor of Environmental Science, Post Graduate Centre for Earth Sciences, Punjab Univ. (12.11.2002 to 06.11.2003)
- Professor HEC at Punjab Univ. from 11.12.2003 to 12.12.2005.
- Professor College of Earth & Environmental Sciences, Punjab University, from 12.12.2005 to date.

Editing / Societies

- Editor (1974-77 & 1985-1997) & Chief Editor (1997-2000), Geological Bulletin of Punjab University.
- President, National Geological Society of Pakistan (1992-1993, 1998-2000 and 2000 to 2004)
- Life member, Pakistan Institute of Physics, Punjab Geological Society and National Geological Society of Pakistan.

Research Publications, Technical Reports and Research Supervision

- I have 244 national and international research publications, 117 papers and posters presented at national and international seminars, symposia

and workshops and 821 technical reports in the field of Materials/Engineering Geology to my credit.

- The publications include work on Earth and Environmental Sciences.
- Supervised 33 Ph.D students in the field of Earth & Environmental Sciences. At present supervising 8 HEC Ph.D Scholars and 6 Punjab University Ph.D. Scholars.
- Supervised 70 M. Phil thesis in the field of Earth & Environmental Sciences.
- Supervised 37 MS thesis in the field of Earth & Environmental Sciences.
- Supervised 16 M.Sc (Hons.) thesis in the field of Earth & Environmental Sciences.
- Supervised 52 M.Sc thesis in the field of Earth & Environmental Sciences.
- Supervised 58 M.Sc thesis in the field of Geological Sciences.

Research Projects

- Completed five research projects, (as P.I), awarded by PSF, U.G.C./HEC and Punjab University.
- Worked as counterpart in five international projects funded by European research grants. These projects were on structural geology and tectonics.
- Won a project on Environment from EPD.

Joint International Field Work/Excursions

- Participated in Joint Field Excursions with International Experts in Switzerland, France, Italy, U.K. and U.S.A.
- Lead International Experts in six field excursions/field work in Punjab, NWFP and Northern Areas.
- Lead first part of “Himalaya, Karakorum and Hindu Kush Prestige Excursion” of 32nd International Geological Congress, from 22nd June, 2004 to 27th June, 2004 alongwith Prof. Qasim Jan, National Professor and Mr. Shahid Hussain (PMNH)

Consultancy /Services

- Provided consultancy/services to 12 organizations in the field of Earth and Environmental Sciences.
- The services include study of Dam site geology and engineering materials as well as Environmental Impact Studies.

FIELD MAPPING

A total of over 15000 square kilometers of area has been mapped in Dir, Swat, Malakand, Mardan, Kaghan, Kohistan, Diamir, Hunza, Yasin, Chitral, Kashmir, lower Hazara and Dera Ghazi Khan by me in collaboration with colleagues or under my supervision.

JOINT INTERNATIONAL FIELD WORK/EXCURSIONS

Joint Field work in structure, tectonics and Regional Geology with Prof. J.G.Ramsay, ETH Zurich, Switzerland from 25-7-1990 to 16-8-1990 in Higher Himalayan Crystallines and Lesser Himalayas of Kaghan Valley.

Field work with Professor A.C. Dunham University of Leicester from 1st to 11th September 1991 across Northern Pakistan covering geology, structure, tectonics and Industrial Minerals.

Field traverse across Northern Pakistan (Karakoram Highway) with Dr. D. A. Spencer and Dr. Cinzia Spencer of Institute of Geology, ETH Zurich, Switzerland from 28th February, to 5th March 1992, covering structure and tectonics.

Field Excursion to France, Switzerland and Italy with Prof. Dr. Ansel Dunham, Dr. Mike Norry, Dr. Steve Temperley and Sarah Davis of Department of Geology, University of Leicester, U.K. from 1st July to 15th July 1992, covering structure and tectonics.

Field work with Dr. Peter W. Scott, University of Leicester from 12-23rd January 1992 in the provinces of Punjab and NWFP Pakistan covering regional geology, structure and Industrial Minerals.

Field Excursion to Silica Sand and Bentonite mining areas in U.K. with Dr. Peter W. Scott Department of Geology, University of Leicester, U.K., 19th July, 1992.

Field work with Professor A.C. Dunham University of Leicester from 8th January, 1993 to 17th January, 1993 on structure, geology and Industrial Minerals of Suleman Range, Salt Range, Kirana Hills and Kohat-Potwar Basin.

Field work in Northwest Himalayas with Prof. Dr. J.P. Burg and Dr. D.A. Spencer of the Institute of Geology, ETH, Zurich, Switzerland from 10th of November to 11th December, 1994, covering structure, tectonics and regional geology.

Field Trip to Insubric Line, Swiss Alps with Dr. N. Mancktelow, Institute of Geology, ETH-Zurich, Switzerland on 8th April, 1995.

Field Excursion from Colombo to Candy, Sri Lanka on 24.1.1995 and 25.1.1995 (Self Organized).

Excursion across Arizona and Utah USA with Dr. D.A. Spencer of the Institute of Geology, ETH-Zurich, Switzerland from 1.5.1996 to 6.5.1996.

Excursion to Grand Canyon and Sunset Crater Arizona USA with Prof. Dr. P. Troy, University of Arizona on 28th April, 1996.

Field work in Swiss and Italian Alps from 4th June, 1996 to 9th June 1996 lead by Dr. Cinzia Spencer Co-Director Stable Isotope Laboratory Main, USA and Dr. D.A. Spencer ETH-Zurich, Switzerland.

Field excursion in Helvetic Alps from 18th May, 1996 to 19th May, 1996 with Monica Weiss and Andreas Meier from ETH Zurich, Switzerland.

Field excursion on Structural Geology in the Helvetic Alps from 25th to 28th May, 1996 lead by Prof. Dorothee Dietrich, from ETH Zurich, Switzerland.

Lead first part of "Prestige Excursion" of 32nd International Geological Congress Florence Italy from 22nd June 2004 to 27th June 2004 along with Prof. Qasim Jan National Professor and Mr. Shahid Hussain (PMNH).

CONSULTATION / SERVICES

I have provided consultation / services to the following major National and Multinational Organizations.

1. Engineers Combine (Pvt.) Ltd., 19-C-III, Gulber-III, Lahore on mineral evaluation and exploration projects.
2. Water and Power Development Authority (WAPDA).
3. Central Material Testing Laboratories, WAPDA.
4. National Engineering Services of Pakistan (NESPAK).
5. Dam Monitoring Organization (D.M.O., WAPDA).
6. MECO, a Canadian Firm, worked on proposed Basha Dam.
7. Freeman Fox Ltd. A Multinational Firm engaged in geotechnical studies.
8. Kalabagh Consultants – a multinational arrangement between Pakistan, U.K. and U.S.A
9. Norconsult of Norway working on Neelum-Jhelum Hydroelectric Project in Azad Kashmir.
10. Daewoo Corporation of Korea working on Pakistan Motorway Project.
11. Sambu Company of Korea working on National Highway in Pakistan.

12. SMEC of Australia working with National Highway Authority of Pakistan.
13. STFA Construction Company of Turkey working on Bridges and Highways in Pakistan.
14. China Petroleum Engineering Construction Corporation of China, working on Indus Highway.
15. Pakistan Hydro Consultants, a joint venture of NESPAK Pvt. Ltd, ACE (Pvt) LTD., EWBANK PREECE Ltd., Harza Engineering Company International LP. USA. Binnie and partners (oversease) Ltd. U.K., working on Ghazi Barotha Hydro Power Project.
16. Structural and Tectonic mapping of Pishin Basin through remote sensing for Paige Ltd. (An International Oil Company).
17. Study of Geology and Materials of Sawan Gas Field of OMV.
18. Carried out comprehensive Geological Materials studies on Khan Khwar Hydroelectric Project Swat Kohistan.
19. Carried out comprehensive Geological Materials studies on Allai Khwar Hydroelectric Project Swat Kohistan.
20. Carried out comprehensive Geological Materials studies on Duber Khwar Hydroelectric Project Swat Kohistan.
21. Carried out comprehensive Geological Materials studies on Jinnah Hydroelectric Project Punjab.
22. Carried out comprehensive Geological Materials studies on Golen Gol Hydroelectric Project Chitral.
23. Carried out comprehensive Geological Materials studies on Bhunji Hydroelectric Project Gilgit.

RESEARCH PROJECTS WON THROUGH COMPETITION FROM VARIOUS FUNDING AGENCIES

	Title of the Project & Duration	Funding Agency	Remarks
1.	Petrotectonics of Northwest Himalaya. Project PSF-P-PU/Earth(37)	Pakistan Science Foundation (> Rs. 0.2 < million)	Principal Investigator
2.	Economic Evaluation of Mica, Feldspar Decorative stones, Refractories and China Clay in Higher Himalaya and Kohistan Himalaya, Pakistan 1990. (One year)	Punjab University Lahore, Pakistan <Rs. 0.2 million	Principal Investigator
3.	Mineralisation and Petrogenetic Study of Rocks Along Indus Suture Zone. Project PSF No. C-PMNH/Earth (38) 1990-1992 (Two years)	Pakistan Science Foundation (\geq Rs. 0.2 < million)	Principal Investigator
4.	Petrology, Structure and Economic Geology of Rocks Associated with Main Karakoram Thrust. Project No. NSRDB/ESC (29)/PUL/90 1991-1994 (Three years).	National Scientific Research Development Board (\geq Rs. 0.2 < million)	Principal Investigator
5.	Geology, Petrology, Mineralogy and Trace Element Geochemistry of Alkaline Igneous Complexes of Northern Pakistan: Implications for economic mineral potentials (1993-1996)	Punjab University Lahore, Pakistan (\geq Rs. 0.2 < million)	Principal Investigator
6.	Lithostructural mapping and sedimentological studies of Murree-Abbottabad Section, North West Himalaya (1993-1996)	Punjab University Lahore, Pakistan > Rs. 0.2 million	Co-Principal Investigator
7.	Collision zone tectonics in orogenic syntaxial regions and the along strike evolution of the Indus Suture Zone in NE Pakistan. (1994-1997).	NSF, Switzerland (Project Director, Prof. J.P.Burg) Collaborative Project. Rs. \geq US\$ 40000 to 100000	Team Leader from Pakistan
8.	Tectonic and Magmatic evolution of an Island arc: Juvenile to mature stages of the obducted Kohistan Complex Oct. 1,2000 to Sept. 30, 2003.	SNSF Switzerland Project Director Prof. J. P. Burg.	M. Nawaz Ch. Collaborating Partner

9.	Study of exhumed infra and intra-arc mantle rocks in the Kohistan Complex 2001-2004.	(French Govt.) Project Co-Ordinator, Jean-Louis Bodinier Director Research CNRS. Rs. \geq US\$ 40000 to < 100000	M. Nawaz Ch. Collaborating Partner
10.	Analysis and Interpretation of Geotechnical Properties, Alkali Aggregate Reaction Potential and Provenance of Indus Aggregate 2003-2004.	Higher Education Commission Rs. \geq 0.2 to < 2 million	M. Nawaz Ch. P.I.
11.	Application of Advanced Oxidation Processes to treat the Industrial Effluent. 2010-2011	EPA, Rs. 2 million.	M. Nawaz Ch. Co-PI
12.	Environmental Friendly production of statins and their applications in food quality improvement	Punjab University Lahore, Pakistan Rs. 250000/-	M. Nawaz Ch. Co-PI
13.	Molecular Characterization of Human Tuberculosis (TB) and Analysis of different environmental factors.	Punjab University Lahore, Pakistan Rs. 250000/-	M. Nawaz Ch. Co-PI

List of Ph.D Thesis Supervised by Prof. Dr. Muhammad Nawaz Chaudhry

1. Ashraf, M. (1974), Geochemistry and Petrogenesis of Acid Minor Bodies of Mansehra and Batgram Area, Hazara District, Ph.D. Thesis, Institute of Geology, University of the Punjab.
2. Ghazanfar M. (1993), Petrotectonic Elements and Tectonic Framework of North West Himalaya, Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore.
3. Sabir, M. (1994), Petrology and Geochemistry of Panjal Volcanics of Azad Jammu and Kashmir and Kaghan, Ph.D Thesis, Institute of Geology, University of the Punjab, Lahore.
4. Aziz Ullah (1997), Petrotectonics, Petrology and Genesis of Uranium Mineralization of the Siwalik Group of Thatti Nasrati and Shavah-Shanawah Area, Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore.
5. Mujtaba, M. (2001), Depositional and Diagenetic Environments of Carbonates of Chor Gali Formation (Early Eocene) Salt Range Potwar Plateau, Pakistan, Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore.
6. Ahmed, S.A. (2003), Geology, Petrology and Geochemistry of the Neoproterozoic Volcanoplutonic Rock Association of the Indian Sheild Extension in Pakistan, Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore.
7. Hayat, K (2003), Geotechnical Zonation and Their Relation to the Geology of Pakistan, Ph.D. Thesis, Postgraduate centre for Earth Sciences, University of the Punjab, Lahore.
8. Cheema, I.U. (2003), Phylogeny and Evolution of Neogene Murine Rodents from the Potwar Plateau of Pakistan and Azad Kashmir with Special Emphasis on Zoogeographic Diversification and Stratigraphic Implications, Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore.
9. Iqbal, M. (2004), Structural Interpretation of Zindapir Anticlinorium Sulaiman Fold Belt, Pakistan and Its Petroleum Prospects, Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore.
10. Ahmad, A. (2004), Coal Facies, Depositional Environments and Basin Modelling of Thar Coal Field, Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore.
11. Hussain, S.S. (2005), Geology of the Indus Suture Zone and High Himalayan Crystalline Block West of Besham Syntaxis and Study of some Associated Minerals, Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore.
12. Mateen, A. (2006), Petrology, Geochemistry and Geochronology of the Alkaline Igneous Complexes and Associated Carbonatites of NW Himalaya, Pakistan, Ph. D. Thesis, Institute of Geology, University of the Punjab, Lahore.

13. Ahmad, A. (2006), Geochemistry of the Granitic Rocks, Swat-Malakand Area, Pakistan, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore.
14. Gondal, M. M. I. (2006), Quaternary Geology and Engineering Characteristics of Soils in Chaj Doab, Punjab, Pakistan, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
15. Yasir, A. (2007) Anaerobic Treatment of Industrial Waste Water by Bench-Scale UASB Reactor Integrated with Advanced Oxidation Processes Under Local Conditions, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
16. Ahsan, N. (2007), Facies Modeling, Depositional and Diagenetic Environments of Kawagarh Formation, Hazara Basin, Pakistan, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
17. Batool, S. A. (2007), Environmental Systems Analysis of Municipal Solid Waste Management Applications of the IWM-2 Model, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
18. Khalida Khan, (2009), Geomorphology of Kaghan Valley, Northern Pakistan and Dynamics of its Environmental Change, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
19. Zahid Karim Khan, (2009), Study of the Geology of Kirana Group, Central Punjab and Evaluation of its Utilization and Economic Potential as Aggregate, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
20. Muhammad Naeem, (2011) Eco-Friendly Synthesis of Thiazolidinone Derivatives and their Biological Studies, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
21. Amjad Hussain Cheema, (2011) Microfacies, Diagenesis and Depositional Environments of Samana Suk Formation (Middle Jurassic) Carbonates exposed in South East Hazara and Samana Range. Ph.D. Thesis, Institute of Geology, University of the Punjab, Lahore, Pakistan.
22. MS. SAIMA GULZAR: (2013) Characterization of Materials, Environmental Impacts and Conservation Strategy for Historic Structures in Shahdara Complex-Lahore, Pakistan. Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
23. Mr. Mustansar Naeem (2013) Petrology of Mansehra Granitic Complex, Hazara Area, Northwestern Himalaya, Pakistan. Ph.D Thesis, Institute of Geology, University of the Punjab, Lahore, Pakistan.
24. Mr. Muzaffar. Majid (2014) Petrography, Provenance, Alkali Aggregate Reaction Potential and Geotechnical Properties of Indus Aggregates

- Between Bhunji And Kalabagh, Pakistan, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
25. Mr. Zulfiqar Ali, (2014) Application of Advanced Oxidation Process for Bleaching Textile Materials, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 26. Ms. Fariha Arooj, (2014) "Application of Advanced Oxidation Process for Bleaching Textile Materials, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 27. Mr. Zaigham Abbas, (2015) Determination of Mercury and Mercury Exposure in Pakistan" Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 28. Anwar Zaman Jadoon, (2015) Life Cycle Assessment of Municipal Solid Waste Management System of Gulberg Town, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 29. Ammara Hassan, (2015) Eco-Friendly Value Addition of Cheese through Probiotics, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 30. Saman Shahid, (2015) Molecular Analysis of Human Interferon Alpha 2b Gene in Brain Cancer Patients and Suspected Individuals Exposed to Environmental Ionization Radiations, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 31. Samia Saif, (2015) Evaluation of Environmental Impact Assessment (EIA) in Punjab, Pakistan, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 32. Ahsan ul Haq, (2015) Seismic Hazard Assessment of Eastern Salt Range, Pakistan, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 33. Asim Mahmood, (2016) Characterization of Waste Water from Drains and Disposal Stations and their Impact on three Southern Rivers of Punjab, Ph.D. Thesis, College of Earth & Environmental Sciences, University of the Punjab, Lahore, Pakistan.

**List of M.Sc. (Hons) Thesis Submitted to the College of Earth
and Environmental Sciences and Postgraduate Centre for Earth Sciences,
in which Prof. Dr. M. Nawaz Chaudhry acted as a Supervisor**

Sr. No.	Title of Thesis	Student Name	Supervisor
1.	Environmental Impact Assessment of Ring Road Lahore (Package No. 8) with Emphasis on Socio Economic Aspects, M.Sc. (Hons), 2004-2006.	Nadia Zaheer Hafiza Sadia Ramzan	Prof. Dr. Nawaz Chaudhry
2.	An Integrated approach to system certification in leather exporters of Pakistan, M.Sc. (Hons), 2004-2006.	Nazia Zakir Roohi Tabassum	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
3.	Implementation of EMS ISO 14001 in Tissue Line, Packaging division of Packages Ltd., M.Sc. (Hons), 2004-2006.	Bilal Ejaz Ch.	Prof. Dr. Iftikhar Hussain Baloch Prof. Dr. M. Nawaz Chaudhry
4.	Environmental monitoring of Taunsa Barrage Emergency Rehabilitation and Modernization project. M.Sc. (Hons), 2004-2006.	M. Hussain	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
5.	Drinking water quality analysis of walled city Lahore, M.Sc. (Hons), 2004-2006.	Amina Zia Mehreen Malik	Prof. Dr. Iftikhar Hussain Baloch Prof. Dr. M. Nawaz Chaudhry
6.	Analysis of Physico-chemical parameters of sewerage water of Multan and its Reuse, M.Sc. (Hons), 2004-2006.	Ummara Javaid	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
7.	Reuse of Sewerage Water of Multan, M.Sc. (Hons), 2004-2006.	Fatima Khanum	Prof. Dr. Iftikhar Hussain Baloch Prof. Dr. M. Nawaz Chaudhry Sir Asim Mahmood
8.	Environmental Impact Assessment of Dadex Eternit Limited Lahore A Pipe Manufacturing Plant, M.Sc. (Hons), 2004-2006.	Uzma Ansari	Prof. Dr. Iftikhar Hussain Baloch Prof. Dr. M. Nawaz Chaudhry

9.	Environmental Problems of a Textile Effluent, M.Sc. (Hons), 2004-2006.	Fakhra Aslam Shumaila Sabir	Prof. Dr. Iftikhar Hussain Baloch Prof. Dr. M. Nawaz Chaudhry
10.	Biomedical Waste Management a Case Study of Mayo Hospitals Waste management, M.Sc. (Hons), 2003-2005.	Rabia Busri Tahira Munir	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
11.	Detection of Concentration of Flouride in Groundwater of 14 Districts of Punjab and Manga Mandi near Lahore and its health effects, M.Sc. (Hons), 2003-2005.	Fariha Arooj	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
12.	Groundwater Water Quality of 14 Districts of Punjab (Pakistan) and Possible Health Impacts due to Different Contaiminants Present in Water, M.Sc. (Hons), 2003-2005.	Saba Moughal	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
13.	Heavy Metals Detection in Food Chain (Water, Vegetation and Milk) along Hudiara Dran, M.Sc. (Hons), 2003-2005.	Saima Barak Nazish Waseem	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
14.	Biomedical Waste Management in the City of Gujrat, M.Sc. (Hons), 2003-2005.	Fiza Fayyaz	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
15.	Application of Advanced Oxidation Processes for COD & Color Removal from Textile Effluent, M.Sc, (Hons) 2005-2007.	Durr-e-Shahwar Sumaira Yousaf	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Nasir Ahmed
16.	Solid Waste Management of ICI Paints Industry Pakistan Ltd., M.Sc, (Hons) 2004-2006.	Asma Maqbool	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch

**List of M.Sc. Thesis Submitted to the College of Earth
and Environmental Sciences and Postgraduate Centre for Earth Sciences,
in which Prof. Dr. M. Nawaz Chaudhry acted as a Supervisor**

Sr. No.	Title of Thesis	Student Name	Supervisor
1.	Impact of Air Pollution on Lahore Fort, (M.Sc, 2001-2003)	Rizwana Anjum Aasma Naseem	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
2.	Ground Water Quality of Municipal Supplies in Shadbagh Area, Lahore, (M.Sc, 2002-2003)	Tariq Latif Sohail Malik Saima Iqbal Syed Asif Raza Shahid	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
3.	Environmental Risk Assessment of an Automobile Factory with Special Emphasis on Welding Process, (M.Sc, 2003-2005)	Adeel Hassan Rana	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
4.	Quality of Drinking Water in Model Town, Lahore, (M.Sc, 2002-2004)	Fariha Arooj Muhammad Umar Saima Barak Bushra Nasir Amir Kashif	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
5.	Evaluation of Drinking Water Quality Parameters Supplied by Simply Dam Islamabad, (M.Sc, 2002-2004)	Qamar Sultana Kalsoom Nazar Atia Aslam Rabia Ashraf	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
6.	Characterization of Wastewater of Dawood Hercules and Its Environmental Impact, (M.Sc, 2002-2004)	Arjumand Iyas Waheeda Nosheen Tahseen Hameed	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
7.	A Study of Human Behaviour with Respect of Air Pollution (M.Sc, 2002-2004)	Shahid Waheed Qamar	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
8.	Environmental Risk Assessment of an Automobile Factory with Special Emphasis on	Asia Saif Ali Rizvi	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch

	Painting Process and Waste Water Treatment, (M.Sc, 2003-2005)		
9.	Occupational Health and Safety in Oil and Gas Industry, (M.Sc, 2003-2005)	Mubashar Hassan Imran Shaibah	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
10.	Right to a Healthy Environment, (M.Sc, 2002-2004)	Sajjad ul Hassan M. Naveed ul Hassan	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
11.	Geotechnical Assessment and EIA of Gulpur Hydropower Project in Azad Jammu and Kashmir, (M.Sc, 2002-2004)	Muhammad Saeed Imtiaz-ur-Rehman	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
12.	Environmental Monitoring of Taunsa Barrage Emergency Re-Habilitation and Modernization Project, (M.Sc, 2003-2005)	Muhammad Husnain	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
13.	Graduates understanding about Environmental Problems and Issues, (M.Sc, 2002-2004)	Muhammad Ahsan Iftikhar Ahmad	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
14.	Environmental Legislation in Pakistan, (M.Sc, 2003-2005)	Muhammad Faiz	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
15.	Environmental Risk Assessment of an Automobile Factory with Special Emphasis on Administrative and Maintenance Functions, (M.Sc, 2003-2005)	Mohammad Mobashir	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
16.	Energy Conservation and Passive Solar Housing in Lahore, (M.Sc, 1999-2001)	Adila Batool Iram Batool	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
17.	A Study of the Prevalence of Hepatitis B & C in Blood Donors, (M.Sc, 2002-2004)	Khalid Mehmood Francis Sodagar Daniel Sodagar	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch

18.	Frequency of Anti-HCV in Children with Multiple Transfusions, (M.Sc, 2002-2004)	M. Younas Iqbal Rashid Mahmood	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
19.	Characterization and Treatment Effluents from Sapphire Textile Industry, (M.Sc, 2002-2004)	Maqsood Ahmad Akram Ahmad Faheem Aslma	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
20.	Environmental and Social Impact Assessment of Bunji Hydropower Dam Project Northern Areas of Pakistan, (M.Sc, 2002-2004)	Syed Munawar Hussain Fahim Ahmad	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
21.	Waste Water management Planning and Management of Treated Waste Water of KTWMA and Municipal Waste Water of Kasur, (M.Sc, 2001-2003)	Muhammad Usman Falak Naz Saima Nazer Muti-ur-Rehman Rehana Shabnam	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
22.	Evaluation of the Performance of Waste Stabilization ponds at Kasur Tanneries Waste Management Agency (KTWMA) Kasur, (M.Sc, 2002-2004)	Talha Usman	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
23.	Environmental Impact Assessment and Monitoring of Ghazi Brotha Hydro-Power Project, (M.Sc, 2002-2004)	Jawad Rabbani Farhan Iqbal Mian Sajid Raza Qamar Darvaish	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
24.	Environmental Impact Assessment of Oil Well, (M.Sc, 2000-2002)	Shafiq Ahmad Sabri Tariq Aziz Faridi	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
25.	Environmental Impact Assessment of Jupiter Oil Field & Pandori Production Plant, (M.Sc, 2000-2002)	Muhammad Shahid Tama Ihtesham-ul-Wahab	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
26.	Comparison of Environmental Management System	Sadia Nawaz Sana Munir	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch

	(EMS), Implementation in two Textile Industries of Pakistan, (M.Sc, 2002-2004)		
27.	Estimation of Nickel (Ni) from different samples of Vanaspati Ghee Available in the Market, (M.Sc, 2002-2004)	Saleem Akhtar Muhammad Zaman Asad ur Rehman	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
28.	Groundwater Quality and Heavy Metals Risk Assessment of 20 Villages of Lahore District, (M.Sc, 2003-2005)	M. Tahir Hussain M. Salik Ali Khan	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
29.	Composting Potential of Northern Lahore, (M.Sc, 2003-2005)	Shoaib Fazal Adnan Raza	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
30.	Solid Waste Land filling, (M.Sc, 2003-2005)	Toheed Ahmed Ehtesham Asif	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
31.	Development of Environmental Law in Pakistan, (M.Sc, 2001-2003)	Naeem Iqbal	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
32.	Study of Elimination Regeneration of Hexavalent Chromium from Cooling Tower Blowdown Wastewater n Dawood Hercules Chemicals Ltd., (M.Sc, 2003-2005)	Kh. Hassan Mansur Hafiz M. Afzal	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
33.	Potential of Biodiversity in Northern Areas of Pakistan and Its Impact on Environment, (M.Sc, 2003-2005)	Mubashir Hussain	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
34.	Impact of Environment on Health with Special Reference to Tuberculosis in Nawaz Sharif Colony, (M.Sc, 2003-2005)	Saira Latif and Ujala Saleem	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
35.	Comparison of Noise Pollution in and Around a Public and a Private	Adia Abbas	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch

	Hospital and Its Impacts, (M.Sc, 2003-2005)		
36.	Environmental Issues and Their Operational Control, (M.Sc, 2003-2005)	Naushaba Ashraf	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
37.	Treatment of Effluents of Penicillin Derivatives, (M.Sc, 2003-2005)	Naveed Ahmad	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
38.	EIA of Peshawar to Torkham Express Way, (M.Sc, 2003-2005)	Rukhsana Latif Syeda Mudassara Gillani	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
39.	Implementation of ISO 14001/EMS in the Textile Sector of Pakistan, (M.Sc, 2002-2004)	Hafiz Abdul Ghafoor Khadim Hussain Muhammad Anwar Babar Hussain	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
40.	EIA of Exploratory drilling of Jal Makshi Oil Well, (M.Sc, 2003-2005)	Hashim Ahmed Fazal Naveed	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
41.	Irrigation Impacts of City Effluents on Soil and Crops in District Kasur A Cause of Potential Health Risk, (M.Sc, 2002-2004).	Easar Alam Shahid Iqbal Fayyaz Hussain Mushtaque Ahmad Mohammad Qasim	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
42.	EIA of Sabakzai Dam, (M.Sc, 2001-2003)	Perwaiz Arif Malik Arshad Majeed Bhatti Kiran Zainab Kanwal Muzaffar	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
43.	EIA of Lucky Cement Ltd., Pezu, Distt. Lakki Marwat, NWFP, (M.Sc, 2002-2004)	Yasir Mahmood M. Imran Gul Mubashir Hussain	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
44.	A Study on Drinking Water Quality Evaluation of Major Cities of Pakistan, (M.Sc, 2003-2005)	Adeel Anwar	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
45.	Conservation Status of Biodiversity and Environment in Mountain Ecosystem of Northern Areas and Its Impact on Ecotourism, (M.Sc, 2003-2005)	Nadeem Alam	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch

46.	Environmental Effects on Cultural Heritage, Shahdara Complex, Lahore, (M.Sc, 2003-2005)	Saima Gulzar	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
47.	Occupational Health Safety Measures in Textile Industry, (M.Sc, 2003-2005)	M. Tariq Saleem Iqbal Sabir Shad	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
48.	Social and Environmental Impact on Tuberculosis in China Basti, (M.Sc., 2004-2006)	Nergis Ameer	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
49.	An Overview of Health Impacts after Chernobyl Nuclear Disaster In Ukraine with Special Emphasis on Cutaneous Manifestations, (M.Sc. 2004-2006)	Muneer Ahmed	Prof. Dr. Iftikhar Hussain Baloch Prof. Dr. M. Nawaz Chaudhry
50.	Analysis of Environment Management System (EMS) of Nestle Pakistan Ltd., (M.Sc. 2004-2006)	Qurat-ul-ain	Prof. Dr. M. Nawaz Chaudhry Prof. Dr. Iftikhar Hussain Baloch
51.	(2007-2009)	Sara Ali	Prof. Dr. Muhammad Nawaz Ch.
52.	(2007-2009)	Azmat Beg Ghulam Mujtaba	Prof. Dr. Muhammad Nawaz Ch.

List of MS One Year Thesis Submitted to the College of Earth and Environmental Sciences and Postgraduate Centre for Earth Sciences, In which Prof. Dr. M. Nawaz Chaudhry acted as a Supervisor/Co-Supervisor

Sr. No.	Title of Thesis	Student Name	Supervisor
1.	Environmental Impact Assessment of Kohinoor Energy Limited 145MV Extension Project (Raiwind Road, Lahore). 2006-2008	Ayesha Sidqua Saadia Manzoor	Supervisor
2.	Environmental Impact Assessment of Proposed Re-Rolling Dost Steel Mill Ltd., Bhai Pheru, Kasur. 2006-2008	Humaira Riaz Aroob Saleem	Supervisor
3.	Environmental Impact Assessment of Combined Cycle Thermal Power Plant (300 MW), Multan Road, Lahore. 2006-2008	M. Sameem Hussain Qaiser Abdul Qayyum	Supervisor
4.	Environmental Impact Assessment of Shopping Plaza, Lahore. 2006-2008.	Dawood Khan Jamal-ud-Din	Supervisor
5.	EIA of Kot Addu Power Company Ltd., (KAPCO), District Muzaffargarh, 400-500 MW Combined Cycle Power Plant Expansion Project. 2006-2008	Bazgha Naila Asif	Supervisor
6.	EIA of Pak PWD Society Islamabad. 2006-2008	Sana Tahir - Fozia Mahmood	Supervisor
7.	Review the Environmental Management System of Pepsi Cola International, Pakistan. 2006-2008	Khoula Sikander	Supervisor
8.	Development of Environmental Management System for Paint Production Plant in ABC Manufacturing Industry. 2006-2008	Salma Hameed	Supervisor
9.	Overview of Environmental Management System of ABC Polyester Fiber Industry. 2006-2008	Fatima-tu-Zohra	Supervisor
10.	Design and Implementation of Environmental Management System in Zulfiqar (ZKAP), Lahore. 2006-2008	Sana Safdar Amna Waheed	Supervisor

11.	Development of Environment Management System of a constituent Unit of Shezan Food Factory.	Hajrah Mobeen	Supervisor
12.	EMS of Sublime Sports, Sialkot 2006-2008	Sadia Saeed	Supervisor
13.	Critical Appraisal of the Health Hazards of the Workers in Metal Press (Cottage) Industry, Shahdarah, Lajpat Road, Lahore 2006-2008	Saima Aslam Bharwana Sheikh Kiran Hameed	Co-Supervisor
14.	EIA of Jalalpur Pir Wala-Uch Sharif 45 km Section of Multan, Shuja Abad Road.	Nosheen Aslam	Supervisor
15.	Environmental Impact Assessment (EIA) of Waste Water Treatment Plant, Pakistan.	Hina Rashid	Supervisor
16.	Shemical Analysis of Drinking Water of Johar Town Area	Sonia Iram	Supervisor
17.	Isolation of Bacteria in Drinking Water	Hina Iqbal	Supervisor
18.	Occupational Health and Safety of the Dyeing Unit of Master Textile Industry Raiwind Road, Lahore.	Mariyam Naseer	Supervisor
19.	Evaluation of EC,SAR,RSC, Chlorides and Heavy Metals and Their Depiction using GIS for Ground Water Quality of Area Adjacent to Hudiara Drain (2009-2011)	Aisha Izhar	Supervisor
20.	(2008-2010)	Hina Hanif	Supervisor
21.	(2008-2010)	Rabia Wajahat	Supervisor
22.	(2008-2010)	Muhammad Aamir Saleem Sidra Sharif	Supervisor
23.	(2008-2010)	Azmat Sultana	Supervisor
24.	(2008-2010)	Bushra Khan	Supervisor
25.	(2008-2010)	Asma Majeed	Supervisor
26.	(2006-2008)	Bazgha Naila Hanif	Supervisor
27.	(2006-2008)	Uzma Asghar Saima Asghar	Supervisor
28.	(2009-2011)	Abeer Zia	Supervisor
29.	(2009-2011)	Adeela Chaudhry	Supervisor
30.	(2008-2010)	Muhammad Iqbal	Supervisor
31.	(2008-2010)	Warasit Waris	Supervisor

32.	(2008-2010)	Arslan Tariq	Supervisor
33.	(2008-2010)	Faheem Ismail	Supervisor
34.	(2008-2010)	Noor Jahan	Supervisor
35.	(2008-2010)	Sana Akhtar	Supervisor
37.	(2008-2010)	Muhammad Noman	Supervisor

List of M.Phil One Year Thesis Submitted to the College of Earth & Environmental Sciences and Postgraduate Centre for Earth Sciences, in which Prof. Dr. M. Nawaz Chaudhry acted as a Supervisor/Co-Supervisor

Sr. No.	Thesis Title		Supervisor
1.	Physical and Chemical Characterization of Municipal Solid Waste of Sothern Lahore, Pakistan. 2006-2008	Yumna Sadaf	Supervisor
2.	An Integrated Treatment of Slaughterhouse Wastewater 2006-2008	Mahtab Ahmad	Co-Supervisor
3.	Petrology of Ophiolites and Geology of Associated Rocks along the MKT Zone in Chitral, Yasin and Ashkuman Valleys 2006-2008	Hamid Dawood AKbar	Supervisor
4.	Geology, Seismotectonics and Engineering Seismology of Kolachin Dhoro, Kirthar Range, 2006-2008	Ahsan ul Haq	Supervisor
5.	Ambient Air Quality Monitoring and Evaluation of Three Most Polluted Areas of Lahore and Application of Air Dispersion Model	Hifza Ghafoor	Supervisor
6.	Seasonality, Trend and Prevalence of Tuberculosis among Adults and Children from 2005-2009 in Lahore, Pakistan (Fall 2007-2009)	Aasia Khaliq	Supervisor
7.	Evaluation of Household Waste Collection System of Allama Iqbal Town and its Environmental and Economic Impacts (2007-2009)	Shakeela Sharif	Supervisor
8.	Environmental, Social and Economic Assessment of options of Newspaper waste recovery and recycling in Allama Iqbal Town, Lahore (2007-2009)	Sadia Javed	Supervisor

9.	Recycling and Recovery routes of Pet Bottles in Allama Iqbal Town and its Environmental, Social and Economic Impacts	Aaliya Ehsan	Supervisor
10.	Evaluation of Solid Waste Management System of Faisalabad City (Lyallpur Town) and its Environmental and Economic Aspects	Sumaira Yousaf	Supervisor
11.	Effect of Different Land Use Types on Soil Quality of District Okara (2008-2010)	Sumaira Naz	Supervisor
12.	Ecofriendly Conversion of whey into Anti-diarrhoeal infant's Supplement 2007-2009	Ammara Hassan	Supervisor
13.	Treatment Efficiency of Waste Water Treatment Plant of Sapphire Textile Industry (2008-2010)	Naveed Aslam Dogar	Supervisor
14.	Geology, Sedimentology and Petrography of Siwaliks Exposed in North Western Limb of Adhi Anticline, Ne Potwar Mandra (Gujar Khan Area) District Rawalpindi (2008-2010)	Muazam Khan	Supervisor
15.	Critical Appraisal of Municipal Solid Waste Management System of Jinnah Town, Faisalabad (2007-2009)	Durr-e-Shahwar	Supervisor
16.	Geological Mapping of Central Salt Range Area through Remote Sensing and Geographical Information System (GIS) Techniques (2007-2009)	Rizwan Saqib Bajwa	Supervisor
17.	Environmental Problems of Coal Mine Methane in Sor Range Collieries (2007-2009)	Khalid Mehmood	Supervisor
18.	(2007-2009)	Sidra Khan	Supervisor
19.	Microfacies and Depositional Environments of Kawagarh Formation exposed at Chinali and Kharijala, NW Lesser Himalaya, Pakistan	Saif-ur-Rehman	Supervisor
20.	Clean Development Mechanism with Respect to Carbon Dioxide Recovery Plant Through Distilleries in Pakistan (2008-2010)	Asma Majid	Supervisor

21.	A Study of Evaluation of Household Solid Waste Management System and Assessment of Waste Generation in Samanabad Town, Lahore	Syeda Amber Fatima	Supervisor
22.	Determination of Lead in Road Soil of Major Roads on the Quskiirts of Lahore	Rai Mumtaz Ali	Supervisor
23.	Isolation and Characterization of Bacteria from Industrial Effluents	Hina Aslam	Supervisor
24.	Post market monitoring of GMO food in Lahore super-market (2008-2010)	Uzma Murad	Supervisor
25.	Combustion Behaviour of MSW of Lahore City and Indigenous Coals (2008-2010)	Muhammad Usman Rahim	Supervisor
26.	Accumulation of Heavy Metals (Cr, Ni, Cu, Pb, Cd) in the Agricultural Soils and spring seasonal Crops, Irrigated by industrial Waste Water	Muhammad Adnan Iqbal	Supervisor
27.	Ambient Air Quality along the Road Side of Lahore	Tahira Sadiq	Supervisor
28.	Solid Waste Management and Design of Sanitary Landfill in Chiniot. (2009-2011)	Ansar Abbas	Supervisor
29.	EIA of 264MW of Reshma Power Plant Raiwind Road, Lahore. 2009-2011	Sadia Ejaz	Co-Supervisor
30.	EIA Integrated with LCA Application on a Landfill (2009-2011)	Sana Ahmed	Co-Supervisor
31.	Strategic Environmental Assessment of Energy Sector of Pakistan. (2009-2011)	Sana Bashir	Co-Supervisor
32.	EIA Integrated with LCA Application on A Landfill (2009-2011)	Rabiya Manzoor	Co-Supervisor
33.	Progmmatic Environmental Assessment of Road Project in Fata Region. (2009-2011)	Adeel Pervez	Supervisor
34.	Environmental Toxin (nicotine) induced Hepatotoxicity in albino mice and its prevention with date palm pit powder (2009-2011)	Bushra Munir	Supervisor
35.	Frequency of Hepatitis C in Multiple Transfused Children at Sir Ganga Ram Hospital (S.G.R.H) Lahore (2009-2011)	Anam Yousaf	Supervisor

36.	Effect of Climatic Change on Dengue on the Spread of Lahore (2009-2011)	Ambreen Ghalib	Supervisor
37.	Integrated Waste Management of Mirpur (A.K) City using LCA. (2009-2011)	Sidra Hameed	Co-Supervisor
38.	Estimation of Biomass and Carbon Stock in Chichawatni Irrigated Plantation of Punjab (2009-2011)	Aqeela Mobeen	Supervisor
39.	Hospital Waste Management Practices in Lahore Pakistan, A case study of two hospitals (2009-2011)	Shagufta Aslam	Co-Supervisor
40.	Efficient Recovery of Industrial Effluent contaminated with arsenic (III) (2009-2011)	Shafaq Mubarak	Supervisor
41.	Estimation and Comparison of PM 10 and Heavy Metal Concentrations in all the 10 Administrative Division of Lahore. (2009-2011)	Hafiz Abdul Azeem	Supervisor
42.	Essential Oils of Selected Species of Family Myrtaceae as eco friendly insecticides (2009-2011)	Saima Siddique	Supervisor
43.	Assessment of Urban Heat Island and Associated Environmental Factors Using Remote Sensing and GIS (2009-2011)	Aneeqa Azeem	Supervisor
44.	Comparative Study of Hospital Waste Management of a Private and a Government Hospital of Lahore (2009-2011)	Sameera Shoukat	Co-Supervisor
45.	Evaluation of Heavy Metals in Blood Samples of Both Male and Female of Different Age groups from Urban Areas of Faisalabad (2009-2011)	Naqi Hussain	Supervisor
46.	Environment and Baseline of Biodiversity of Butterflies in Northern Coniferous forest of Pakistan. (2009-2011)	Hassan Bin Saadat	Supervisor
47.	Rainfall and temperature variation in southern Punjab (2009-2011)	Aqsa Qayyum	Supervisor
48.	Accumulation of heavy metals in	Jaweria Shamshad	Supervisor

	poultry feed and poultry products (2009-2011)		
49.	Isolation and Characterization of Value-added Production from Crab and Shrimp Waste (2009-2011)	Asad Ullah	Supervisor
50.	The Transformations in Namal Lake over 20 years using GIS techniques and their respective effects on biodiversity (2009-2011)	Sajid Iqbal	Supervisor
51.	Eco-Friendly procedures for the preparation of potentially active Thiazolidinone (2009-2011)	Ali Ahmad Sabir	Supervisor
52.	Utility of rice husk through chemical modification for the treatment of water containing toxic metal (2009-2011)	Sana Islam	Supervisor
53.	Estimation of fluoride in drinking water and its association with the child dental fluorosis in various areas of district Khushab (2009-2011)	Mohsin Ali	Co-Supervisor
54.	Monitoring of quantification and quality of Leachate produced in Landfill Site using GIS & Remote sensing. (2009-2011)	Hina Ibrar	Supervisor
55.	Thermal and Devoltalization Behaviour of Indigenous Coals and Sugarcane Baggase, Rice Husk and Organic Fraction of MSW Under Inert Atmosphere (2009-2011)	Sumaira Kanwal	Supervisor
56.	Appraisal of hearing conservation at gas compressor stations (2009-2011)	Huma Tabassum	Supervisor
57.	KAP (Knowledge, Attitudes and Practices) Survey of Landscape Practices in Lahore; Are We Environmental Friendly? (2009-2011)	Rafia Zafar	Supervisor
58.	Physico-chemical Analysis of Kasur Tannery Wastewater and its Treatment (2009-2011)	Naeem Abbas	Supervisor
59.	Synthesis of An Eco-Friendly 1,2 Benzothiazine-1, 1-Dioxide Carbohydrazide Derivatives (2009-2011)	Muhammad Zaheer	Supervisor

60.	Evaluation of Heavy Metals in Blood Samples of Both Male and Female of Different Age groups from Urban Areas of Faisalabad (2009-2011)	Naqi Hussain	Supervisor
61.	An Assessment of Environmental Management System in the Crescent Textile Mills, Faisalabad, Pakistan. (2009-2011).	Fozia Dogar	Supervisor
62	Avian Diversity Analysis of Punjab University, New Campus in relation to Land Use Change	Sidra Safdar	Supervisor
63.	Geological mapping of North East Kohistan by using Remote Sensing and Geographical Information Techniques	Kashif Butt	Supervisor
64.	Microfacies and Depositional Environment of Lumshiwai Formation, NE Hazara basin, NM Lesser Himalayas, Pakistan	Muhammad Kashif Yaqoob	Supervisor
65	Scavengers and their Role in the Recycling of Waste in Allama Iqbal Town Lahore.	Muhammad Asim	Supervisor

**List of M.Sc. Thesis Supervised by Prof. Dr. M. Nawaz Chaudhry
and Submitted to the Institute of Geology between 1968-1981**

Sr. No.	THESIS TITLE	NAME OF STUDENTS
1.	Geology of Malakand Area.	S. Sadaqat Ali Jafery Bashir Ahmad Saleemi
2.	Geology of Khagram Area, Dir District. .	Abdul Ghafoor Ch.
3.	Geology of Rabat Area, Dir District.	Iftikhar Ahmad Malik Mahmoodul-Hassan
4.	Petrology of Timargara Area, Dir District.	Arshad Fayyaz Khalid
5.	Geology of Timargara Area, Dir District.	Afif Tahir
6.	Geology and Petrology of Khajran Dir area with special emphasis on acid and Intermediate rocks.	A. B. Kausar
7.	Geology of Dir-Bibior Area, District Dir with special emphasis on Bibior Granodiorite and mixed zone.	Shaukat Ali Qureshi
8.	Geology of Dir-Bibior Area District Dir with special emphasis on Amphibolite and Calcareous Quartzite.	Muzaffar Hussain
9.	Geology of Manrai Banda area (upper Swat) with special emphasis on the Petrology of the Area.	Zafar Hashmat
10.	Geology and Petrology of southern Dir with special emphasis on diorite of the area.	Jamil Ahmad Khan
11.	Geology and Petrology of Malakand and Chakdara.	Shahid Hussain Syed Muhammad Iqbal
12.	Geology and Petrology of southern Dir with special emphasis on amphibolites.	Krishna Prasad Kaphle
13.	Geology and Petrology of Dir District. Topographic sheet No. 38M/16.	Naseer Ali Qamar
14.	Geology of Sathangali Battal Batgram Baleja area, Hazara Division.	Hafiz Waheed Khalid
15.	Geology and Petrology of Battal Batgram Beleja and Sathan gali area of Mansehra District, Hazara Division.	Rashid Ahmad
16.	Geology and Petrology of Thakot Shang area (Hazara, Swat).	Rashid Akhtar Khan
17.	Geology and Petrology of Sathan-Battal Batgram area (Hazara).	Akhtar Ali Saleemi

18.	Geology and Petrology of Thakot-Shang area (Swat, Hazara) with special emphasis on Schistose rock.	Syed Mahmood Ali Shah
19.	Mineralogy and Petrology of Dainyor Chalt Area, Gilgit Agency.	Zia Ullah Bajwa Pervaiz Iqbal Sheikh
20.	Geology of Bibore Area Dir Distt.	Aftab Mahmood
21.	Geology of the Jogha Bunj Sadiqa Banda area Dir, with special emphasis on Petrography and Petrology of Amphibolites mixed zone and granodiorite	Ch. Asghar Ali
22.	Detailed Geology, Petrology and Economic Geology of Shangla Par Al-Purai area Topo sheet No. 43B/9 with special emphasis on Basi granite.	A Rasheed Bhatti
23.	Mineralogy Petrology and Economic Geology of Lahor-Pazang Area Swat Kohistan.	Sardar Abdul Qayyum Khan Ahsan Munir Qayyum Khan Ali Naqvi
24.	Detailed Geology, Petrology and Economic Geology of Shangla Par Al-Purai area Topo sheet No. 43B/9 with special emphasis on ultra basics.	Mushtaq Ahmad
25.	Geology and Petrology of Naran-Saif-ul-Malik area Kaghan Valley.	Tamana Hussain
26.	Mineralogy and Petrology and economic geology with emphasis on ore mineral deposits of Lahore-Pazang area Swat Kohistan.	Haroon M. Ahmad
27.	Geology of Songaram-Ushiri Darra Dir District (N.W.F.P) with special emphasis on diorite.	Shahid Majeed Mirza
28.	Mineralogy Petrology and Economic Geology with Emphasis on Ore Mineral Deposits of Besham Lahor Area Swat Kohistan.	Anwar Javed
29.	Mineralogy Petrology and Geology with Emphasis on Ore Mineral Deposits.	Javed Arshad

**List of M.Sc. Thesis Supervised by Prof. Dr. M. Nawaz Chaudhry
and Submitted to the Institute of Geology between 1982-2002**

1.	Geology and Petrology of Gupis-Yasin Area Gligit	Abdul Wahid	1980-82
2.	Geology and Petrology of Gupis-Yasin Area Gligit	Ghulam Qadir Khan	1980-82
3.	Sedimentary Petrology/Sedimentology of Datta Formation of Early Jurassic Age from Hazara Area, Distt. Abbottabad, Pakistan.	Fawad Ahmad Chuhan	1989-1991
4.	Petrographic and Engineering Studies of Chak 116 SB, Chak 123 Sb and Buland Hill Areas, District Sargodha.	Muhammad Amir Iqbal	1989-1991
5.	Geology and Petrology of Tangir Valley, Distt. Diamer with Special Emphasis on the Mineralogy of the Intrusives.	Abdul Rehman Shahid Khalid J. Akhtar Aga Farooq Yamin Munir Ahmed Mughal	1981-1983
6.	Geology and Petrology of Darel Valley With Special Emphasis on the Petrology of Diorite and Amphibolite of the Area.	Talat Mahmood S. Afzal Mahmood Mumtaz Hussain Zafar Ullah	1981-1983
7.	Geology of Shewa & Shabaz Garhi Area. (NWFP).	Raja Iftikhar Ahmed	1981-1983
8.	Economic Geology and Petrology of Graphite and other Minerals in Naran-Paludaran Area.	Munawar Gondal	1982-1984

9.	Economic Geology and Petrology of Graphite and other Minerals in Naran Paludaran Area.	A. M. Mardan	1981-1983
10.	Geology and Petrology of Burewai Area Upper Kaghan Valley, Distt. Mansehra, Pakistan.	Niaz Ahmed Asif Gul M. Zafar Khan	1983-1985
11.	Geology and Petrology of Shewa Shahbaz Garhi Area Mardan	Arshad Mahmood	1981-1983
12.	Geology of Dunga Gali Barian Area, Distt. Abbottabad.	Khalid Mahmood Ashiq Hussain	1985-1987
13.	Stratigraphic studies of Area Around Dhantaur-Bagh, Distt. Abbottabad.	Tahir Mahmood	1986-1988
14.	Petrofabrics, Facies analysis and Basin Studies of Samanasuk	Nadeem Ahmed	1986-1988
15.	Geological Studies of Jabri Area	Raja Shahnawaz	1986-1988
16.	Geology, Petrography and Structure of Harno Area, Distt. Abbottabad.	Ch. Muzaffar Majid Noor Hussain	1987-1989
17.	Sedimentary Petrology/Sedimentology of Paleocene Lockhart Limestone and Lithostructure Mapping of Changla Gali Area in Galiat Region, Hazara, Northern Pakistan.	Imran Ullah Khan M. Ahmed Khan Zia ur –Rehman Adil Manzoor Rahmat Ali	1990-1992

18.	Sedimentary Petrology/Sedimentology of Early Cretaceous Lumshiwai Formation and Early Paleocene Lockhart Limestone and Lithostructure Mapping of Dhantaur Area, Southern Hazara, Pakistan.	Tayyab Mehmood Adnan Hameed Faisal Ahmed	1991-1993
19.	Geology of the area and Sedimentary Petrology of Upper Jurassic Datta Formation of Sirgha Area, Southern Hazara Pakistan.	Muhammad Azam Dar Nasr Ullah Dasti Gulfranz Ahmed	1991-1993
20.	Sedimentology of Murree Formation	Taufique Ahmad Raza	1993-1995
21.	Sedimentary/Petrology of Middle Jurassic Samanasuk Formation, Abbottabad.	Nadeem Ahmad Tabassum	1994-1996
22.	Geological Mapping and Sedimentology of the Dhok Pathan	Adeel Nazeer M. Waseem Arshad Rana	1996-1998
23.	Geology, Sedimentology & Uranium Mineralization of Siwalik Group of Potwar Plateau.	Ahsan ul Haq Khizar Hayat	1997-1999
24.	Geological Mapping and Sedimentology of the Dhok Pathan Formation Siwalik Group	Amir Bashir Mirza	1998-2000
25.	Geological Mapping and Sedimentology of the Dhok Pathan	Asif Israr	1998-2000

	Formation, Siwalik Group Shanawah Area.		
26.	Sedimentary Petrology/Sedimentology of Early Paleocene Lockhart Limestone of Changla Gali Area and Lithostructural Mapping of Barian Area Pakistan.	Mohammad Shafqat Shahzad	1993-1995
27.	Mapping of Galliat Area and Environment of Deposition, Diagenetic Changes and Development of Porosity in Early Eocene Sakesar Limestone in the Salt Range and Surghar Range.	Fareeha Butt Fahad Arif Basir Ghaffar	2000-2002
28.	Geological Mapping and Sedimentology of Dhok Pathan Formation in Bannu Basin.	Shahid Jamil Mughal	1996-1998
29.	Environment of Deposition Diagenetic Changes and Development of Porosity in the Early Eocene Carbonates (Nammal, Sakesar and Chorgali Formation) in the Western Salt Range	Nazir Ahmed	1999-2001

(Errors and Omissions excepted)

1.	Geology and Petrology of Gupis-Yasin Area Gligit
2.	Abdul Wahid
3.	1980-82
4.	Geology and Petrology of Gupis-Yasin Area Gligit Ghulam Qadir Khan 1980-82 Sedimentary Petrology/Sedimentology of Datta Formation of Early Jurassic Age from Hazara Area, Distt. Abbottabad, Pakistan. Fawad Ahmad Chuhan 1989-1991 Petrographic and Engineering Studies of Chak 116 SB, Chak 123 Sb and Buland Hill Areas, District Sargodha. Muhammad Amir Iqbal 1989-1991
5.	Geology and Petrology of Tangir Valley, Distt. Diamer with Special
6.	Emphasis on the Mineralogy of the Intrusives.
7.	Abdul Rehman Shahid
8.	Khalid J. Akhtar Aga Farooq Yamin Munir Ahmed Mughal 1981-1983 Geology and Petrology of Darel Valley With Special Emphasis on the Petrology of Diorite and Amphibolite of the Area. Talat Mahmood S. Afzal Mahmood Mumtaz Hussain Zafar Ullah 1981-1983 Geology of Shewa & Shabaz Garhi Area. (NWFP). Raja Iftikhar Ahmed 1981-1983 Economic Geology and Petrology of Graphite and other Minerals in Naran-Paludaran Area. Munawar Gondal 1982-1984

9.	Economic Geology and Petrology of Graphite and other Minerals in Naran Paludaran Area.	A. M. Mardan	1981-1983
10.	Geology and Petrology of Burewai Area Upper Kaghan Valley, Distt. Mansehra, Pakistan.	Niaz Ahmed Asif Gul M. Zafar Khan	1983-1985
11.	Geology and Petrology of Shewa Shahbaz Garhi Area Mardan	Arshad Mahmood	1981-1983
12.	Geology of Dunga Gali Barian Area, Distt. Abbottabad.		
13.	Khalid Mahmood		
14.	Ashiq Hussain		
15.			
16.	1985-1987		
17.	Stratigraphic studies of Area Around Dhamtaur-Bagh, Distt. Abbottabad. Tahir Mahmood 1986-1988 Petrofabrics, Facies analysis and Basin Studies of Samanasuk Nadeem Ahmed 1986-1988 Geological Studies of Jabri Area Raja Shahnawaz 1986-1988 Geology, Petrography and Structure of Harno Area, Distt. Abbottabad. Ch. Muzaffar Majid Noor Hussain 1987-1989 Sedimentary Petrology/Sedimentology of Paleocene Lockhart Limestone and Lithostructure Mapping of Changla Gali Area in Galiat Region, Hazara, Northern Pakistan. Imran Ullah Khan M. Ahmed Khan Zia ur –Rehman Adil Manzoor Rahmat Ali		

	1990-1992
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18.	Sedimentary Petrology/Sedimentology of Early Cretaceous		
19.	Lumshiwai Formation and Early Paleocene Lockhart Limestone		
20.	and Lithostructure Mapping of Dhamtaur Area, Southern Hazara,		
21.	Pakistan.		
22.	Tayyab Mehmood		
23.	Adnan Hameed		
24.	Faisal Ahmed		
25.	1991-1993 Geology of the area and Sedimentary Petrology of Upper Jurassic Datta Formation of Sirgha Area, Southern Hazara Pakistan. Muhammad Azam Dar Nasr Ullah Dasti Gulfraz Ahmed 1991-1993 Sedimentology of Murree Formation Taufique Ahmad Raza 1993-1995 Sedimentary/Petrology of Middle Jurassic Samanasuk Formation, Abbottabad. Nadeem Ahmad Tabassum 1994-1996 Geological Mapping and Sedimentology of the Dhok Pathan Adeel Nazeer M. Waseem Arshad Rana 1996-1998 Geology, Sedimentology & Uranium Mineralization of Siwalik Group of Potwar Plateau. Ahsan ul Haq Khizar Hayat 1997-1999 Geological Mapping and Sedimentology of the Dhok Pathan Formation Siwalik Group Amir Bashir Mirza 1998-2000 Geological Mapping and Sedimentology of the Dhok Pathan Formation, Siwalik Group Shanawah Area. Asif Israr 1998-2000		
26.	Sedimentary		

	Petrology/Sedimentology of Early Paleocene Lockhart Limestone of Changla Gali Area and Lithostructural Mapping of Barian Area Pakistan.	Mohammad Shafqat Shahzad	1993-1995
27.	Mapping of Galliat Area and Environment of Deposition, Diagenetic Changes and Development of Porosity in Early Eocene Sakesar Limestone in the Salt Range and Surghar Range.	Fareeha Butt Fahad Arif Basir Ghaffar	2000-2002
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