**CURRICULUM VITAE**



**Name** Mustansar Naeem

**Father’ Name** Muhammad Gulzar

**Qualification** M.Sc. Applied Geology

**Position** Assistant Professor

**Date of Birth** 02-09-1959

**Nationality** Pakistani

**Address** **Res.** 6/39, Rana Street, Aziz Park,

Ichhra Lahore-54600

**Off.** Institute of Geology, Quid-e-Azam Campus, University of the Punjab, Lahore.

## **Academic Qualification**

**Matriculation** 1975 Lahore Board

**F.Sc.** 1977 Lahore Board

**B.Sc. Applied Geology** 1983 Punjab University, Lahore

**M.Sc. Applied Geology** 1985 Punjab University, Lahore

## **DISTINCTIONS**

## **M.Sc. Applied Geology**

* **Silver Medal**
* **Director’s Hammer Award**

## **B.Sc. Applied Geology**

* **Gold Medal** Second Profession
* **Gold Medal** Third Profession
* **Silver Medal** First Profession
* **Director’s Hammer Award** Second Profession
* **Director’s Hammer Award** Third Profession

Director’s Hammer is awarded for the best field report

# **MERIT CERTIFICATES**

#### M.Sc. Applied Geology Punjab University Merit Certificate for 2nd Position

### B.Sc. Applied Geology Punjab University Merit Certificate for 2nd Position.

#  **MERIT SCHOLARSHIP**

* Punjab University Merit Scholarship In All Professions

**Main Areas of Interest**

 Engineering Geology, Geochemistry and Industrial Mineralogy

# **Teaching / Research Experience**

## **I Pakistan Council of Scientific and Industrial Research**

* **Scientific Officer (BPS-17)** 15-06-1986 to 29-10-1999
* **Senior Scientific Officer (BPS-18)** 30-10-1999 to 03-12-2003

# **Research and Development activities** involving evaluation, characterization, Processing, Product development, industrial utilization of naturally occurring materials, commercialization and quality control of the raw & finished mineral based products.

Assignments involving instrumental evaluation like Differential Thermal Analyzer, Thermo gravimetric Analyzer, X-ray Diffraction, Atomic Absorption Spectrometer, Polarizing Microscope, Flame Photometer, Spectrophotometer, Isodynamic Magnetic Separator, Stereomicroscope and other related instruments for mineralogical characterization.

* **Delivered the lectures** to various trainees on the fundamental concepts of Geology in connection with the evaluation and utilization of the mineral based raw materials.

* **Lectures and training** on the fundamental concepts for the Processing and utilization of different ores to engineers from Resource Development Corporation, Quetta.
* **Guidance provided to the students** from University of the Punjab and University of Engineering & Technology in connection with geochemical evaluation and Mineralogical characterization for their M.Sc. thesis.

**II Student’s Demonstrator (Session 1982-83)**

Institute of Geology, University of the Punjab, Lahore

Practical training and guidance of the junior classes.

## **III Practical field experience with foreign experts**

# **Assistant Geologist** 05-02-1986 to 12-06-1986

# Hydrocarbon Development Institute of Pakistan, Islamabad

Undertaken the fieldwork of Suleman Range, under the supervision of German Experts, in connection with the exploration of Hydrocarbon potential in Pakistan.

**IV Assistant Professor** Since 04-12-2003

 Institute of Geology, University of the Punjab, Lahore.

#### **Certificate Courses Participated**

* **Refresher Course on “Transitional and Marine Clastic Environments and Facies Modeling”**

NCE Summer School Program Baragali University of the Peshawar (1991)

* **The Course on Industrial Minerals**

 University of the Punjab, Lahore (1992)

* **Regional Post Graduate Training Course in Plate Tectonics**

University of the Punjab, Lahore in collaboration with UNESCO (1993)

* **National Training Course on “Evaluation of aggregates as construction material”**

TOKEN program in the University of the Punjab, Lahore in collaboration with ***Kent State University, U.S.A***. (1998)

## **Membership of Societies**

* **Treasurer** Society of Economic Geologists and Mineral Technologists, Lahore.
* **Executive Member** Tourism Development and Environmental Protection Association.
* **Member** Punjab Geological Society, Lahore.

**RESEARCH PUBLICATIONS**

1. “Engineering Geological Mapping at Kalabagh Dam Site with special emphasis on Slope Stability”

M.Sc. Thesis, University of the Punjab, Lahore 1985

1. “Sphalerite Ores from Kohistan-Hazara (Pakistan); their petrography and chemistry”

Mustansar Naeem, Mumtaz, Kamin Khan and M. Amin

##### Pak. Journal of Scientific & Industrial Research 31 (8). 1988

1. “Economic Feasibility studies of Precious metals bearing Iron ores of Baluchistan.”

 I.H.Khan, Fayyaz Mahmood & Mustansar Naeem etal.

 The Pakistan Metallurgist 11(1-2), 1989

1. “Studies of the soils of Akra Kaur, Baluchistan for Dam construction”

 I.H.Khan, Fayyaz Mahmood, Mustansar Naeem etal.

 The Pak Metallurgist 11(1-2), 1989

1. “Lead-Zinc Mineralization in Treri-Manjhotar areas, Distt. Muzaffarabad (Azad Kashmir) Pakistan.”

Shafeeq Ahmad, Riaz A. Sheikh, I.H.Khan and M. Naeem

ACTA Mineralogica Pakistanica, Vol. 6 1992.

1. “Processing of Emerald bearing rocks of Gujarkali Emerald mine by

 Washing and screening”

 I.H.Khan, Fayyaz Mahmood & Mustansar Naeem

 Pak. Jurnal of Scientific and Industrial Research 37 (4), 1994

1. “Processing of clay samples of Mianwali, Khushab, Kirk, D.I.Khan

 and Bannu areas”

 I.H. Khan, Fayyaz Mahmood & Mustansar Naeem

 Jr. of Pak. Institute of Chemical Engineering, Vol. 27, No.1-4,1998

1. ”Chemical, Mineralogical characterization and liberation studies of

 Koh-I-Sultan Sulphur”

 I.H.Khan, Fayyaz Mahmood & Mustansar Naeem

 Pak. Jr. Sci. Ind. Res. Vol.44, No.2, P. 72-74, 2001

1. “Study on waste water of metal finishing industries around Lahore Metropolitan area”

 I.H.Khan, Fayyaz Mahmood, Shahid Tufail & Mustansar Naeem

###### Pak. Jr. Sci. & Ind. Res. Vol.45, No.5, 2002

1. “Extraction studies of Manganese from Indigenous Ore on Lab Scale”

I.H. khan, F.Mahmood, M.Naeem & Fozia Saleem.

Pakistan Jr. of Scientific Research, Vol. 54, No. 3-4, 2002.

1. “Adsorption of Chromium on Bentonites”

Fayyaz Mahmood, M. Iqbal, Rabia Bibi & M.Naeem

 Pakistan Jr. of Scientific Research, Vol, 55, No. 1 -2,2003.

1. “Geo-chemical evaluation studies of Scheelite ore deposits of Pakistan”

 I.H. Khan, Fayyaz Mahmood & Mustansar Naeem.

Pakistan Journal of Scientific Research, Vol.55, No.3-4, 2003.

1. “Concentration of Microcline from Indigenous Rocks”

 I.H. khan, F.Mahmood, M.Naeem & M.Arif Bhatti.

 Pak. Institute of Chemical Engineers (Accepted) Vol. XXX, No. 1,2001.

1. “Adsorption of Zinc on Bentonites”

Fayyaz Mahmood, M. Iqbal, Rabia Bibi & M.Naeem

Pakistan Jr. of Science Vol, 55, No. 3 - 4, 2003.

1. “Extraction of Potash from Feldspathoids “

Fayyaz Mahmood, M.Naeem, Fozia Saleem & Rabia Bibi

Pakistan Jr. of Scientific Research (Accepted) Vol.55, No. 1 - 2, 2003.

1. “Beneficiation studies of Makerwal Coal “

Fayyaz Mahmood, I.H.Khan, Iftikhar Ahmad & M.Naeem

Pakistan Jr. of Scientific Research (Accepted) Vol.55, No. 3 - 4, 2003.

1. “Determination of Distribution Co-efficient of Bentonite for Cadmium and Chromium Metals”

## R. Bibi, F. Mahmood and Mustansar Naeem

Pakistan Jr. of Scientific Research (Accepted) Vol.55, No. 3 - 4, 2003.

18.” Mineralogical Characterization and potential for industrial utilization of kaoline from the Nagarparker Complex, SE Sindh, Pakistan”

 M.A.Siddiqui, S.A.Ahmad and Mustansar Naeem

 Pakistan Journal of Environmental Science (Accepted) Vol.3 No.1 2003

## 19.“Processing of Mirpur Azad Kashmir Coal”

##  F.Mahmood, I .A. Malik and Mustansar Naeem

#  Pakistan Jr. of Scientific Research (Accepted) Vol.56, No. 1 - 2, 2004

1. “Effect of Electrolytes on the Flocculation Properties of Clay”

## R.B. Ansari, F. Mahmood and Mustansar Naeem

Pakistan Jr. of Scientific Research (Accepted) Vol.56, No. 1 - 2, 2004.

## Geology & Mineralogy of Fuller’s Earth Deposits of D.G.Khan (Pakistan)

M.A.Siddiqui and Mustansar Naeem

Pak. Journal of Scientific Research (Accepted) Vol.56 No. 3-4, 2004

## **Technical Reports**

1. “Evaluation and Beneficiation of Precious metal bearing Iron Ores of Chilghazi, Baluchistan”

 I.H Khan, Fayyaz Mahmood, Mustansar Naeem, etal.

 For P. M. D. C. (1987)

2. “Laboratory testing of Koh-e-Sultan Sulphur samples”

 I.H Khan, Fayyaz Mahmood. Mustansar Naeem, etal.

 For U. N. D. P. (1991)

3. “Geochemical, Mineralogical and Beneficiation studies on Chitral Copper Ores”

 I.H Khan, Fayyaz Mahmood Mustansar Naeem, etal.

 For Sarhad Development Authority, Peshawar (March 1991)

 4. “Evaluation, Washability and processing of Emerald Talc Schist of Swat ”

 I.H Khan, Fayyaz Mahmood Mustansar Naeem, etal.

 For Sarhad Development Authority, Peshawar.

 5. “Evaluation and processing of Carbonatites of Silai, Patti, Malakand”

 I.H Khan, Fayyaz Mahmood. Mustansar Naeem etal.

 For Sarhad Development Authority, Peshawar.

6. “Evaluation and processing of Minkigol Scheelite Ore”

 I.H Khan, Fayyaz Mahmood. Mustansar Naeem etal.

 For Sarhad Development Authority, Peshawar (1993)

 7. “Extraction of Antimony metal from the ores of Krinj area NWFP”

 I.H Khan, Fayyaz Mahmood. Mustansar Naeem etal.

 For Sarhad Development Authority Peshawar (1993)

 8. “Petrography and Beneficiation studies on Duddar Lead-Zinc Ore”

 I.H Khan, Fayyaz Mahmood, Mustansar Naeem etal.

 For Pakistan Mineral Development Corporation (1994)

 9. “Activation and Bleachablity studies on clay samples”

 I.H Khan, Fayyaz Mahmood & Mustansar Naeem

 For Eastern Techniques (pvt), Islamabad. (1995)

 10. “Gold Mineralization in Baluchistan”

 I.H Khan, Fayyaz Mahmood & Mustansar Naeem

 For Crown Resources, Denver, USA (1996)

 11. “Petrography and Ore Microscopic Studies of Drill hole (P1) Samples of Chiniot Iron Ore”

I.H Khan, Fayyaz Mahmood, Mustansar Naeem etal.

For Punjab Mineral Development Corporation, Lahore (1997)

 12.“Native Copper, Silver and Gold Associating in Chiniot Iron Ore, Chemical evaluation, petrography and Microscopy of Bore Hole (P-5)”

I.H Khan, Fayyaz Mahmood. Mustansar Naeem etal.

For Punjab Mineral Development Corporation, Lahore. (1997)

 13. “Mineralogical Studies on Copper Ore samples from Northern areas”

 I.H.khan, A.Hafeez, F.Mahmood and M.Naeem

 For Southern Pacific Connection, Lahore. (June1999)

 14. “Disposal of Hydrotreater Regenerated Spent Catalyst”

I.H Khan, Fayyaz Mahmood. Mustansar Naeem, S.Zahra

Studies conducted for Pakistan Refinery Limited, Karachi (2001)

15. “Study of Lead Zinc Ore Samples”

I.H.Khan, Fayyaz Mahmood, A.Hafeez &Mustansar Naeem

Studies undertaken for Frontier Works Organization, Lahore. (2001)

16.“Evaluation and Beneficiation Studies of Makerwal Coal”

 I.H.Khan, Fayyaz Mahmood, Mustansar Naeem etal

For Makerwal Collieries Ltd. Lahore (2001)

17. “Industrial Studies on Azad Kashmir Bentonites” (Part I)

 S.Fayyaz Mahmood, Mustansar Naeem etal

Azad Kashmir Minerals & Industrial Development Corporation, Muzaffarabad (April 2003).

18. “Industrial Studies on Azad Kashmir Bentonites Bore Hole Samples”

 S.Fayyaz Mahmood, Mustansar Naeem etal

Azad Kashmir Minerals & Industrial Development Corporation, Muzaffarabad (May 2003).