

National Centre of Excellence in Geology, Peshawar

M. Asif Khan

*Striving for development of the natural resources and
mitigation of the natural hazards*

HISTORY

- Established in 1974 under an act of the federal parliament, Government of Pakistan.
- Institution of higher learning and research in the field of Earth & Environmental Sciences.
- Located in the premises of the University of Peshawar, Peshawar
- Dr. R. A. K. Tahirkheli was the founder Director of this Centre.
- Professors M. Qasim Jan & S. Hamidullah directed the Centre in past two decades with outstanding contributions.





FUNCTIONS

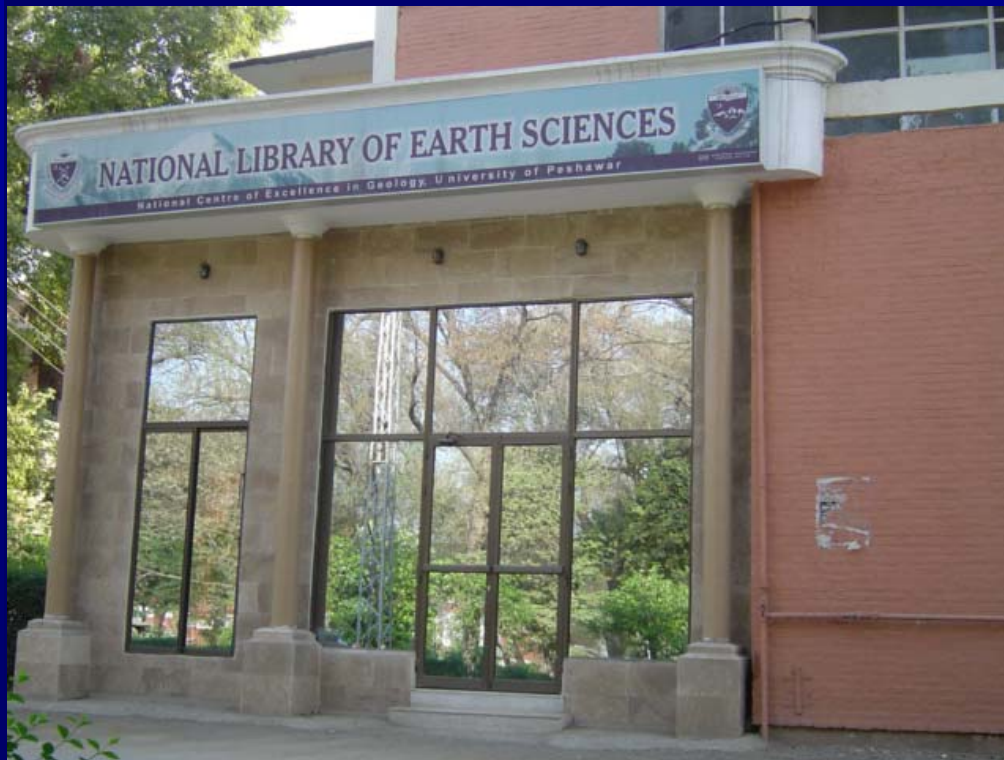
- Focused research on advanced aspects of Earth & Environmental Sciences.
- Post-Graduate Teaching PGD, M.Phil., Ph.D
- Promote co-operation and inter-disciplinary relationship with national and international research institutions
- Conferences, seminars, and refresher courses for the development of teaching and research in Earth & Environmental Sciences.
- Conduct teaching and research in such particular disciplines as is assigned to it by the Federal Government in consultation with the University of Peshawar.

LABORATORIES

GIS/ RS LAB.



NATIONAL LIBRARY OF EARTH SCIENCES



LABORATORIES

X-Ray Diffractometre (XRD)



Supervised By: Dr. Irshad Ahmed

LABORATORIES

GEOCHEMISTRY

- Atomic absorption
- UV/visible spectrophotometer
- Graphite Furnace



Geochemistry Lab

- Atomic absorption (Perkin Elmer)
- UV/visible spectrophotometer
- Graphite Furnace



Lab Incharge: Prof. Dr. M. Tahir Shah

LABORATORIES

X-Ray Fluorescence (XRF)



Shimadzu 310, 1982

Axios, Philips Analytical,
2005

LABORATORIES

**Electron
Probe
Micro
Analyzer
(EPMA)**
JEOL 733
with RONTEC
EDX



Lab Incharge: Dr. Mohammad Sayab

LABORATORIES

Geodetic lab



Supervised By: Dr. M. Asif Khan

PUBLICATIONS

Journals: **Geological Bulletin, University of Peshawar**

Yearly, Started 1964, To date **35 volumes** have been published.

Books: **10** books have been published:

- Kazmi & Jan, 1999. Geology & Tectonics of Pakistan.
- Asif Khan and others, 2000. Tectonics of NW Himalayas. Geological Society of London, Special Publications.

Coloured Maps: **4**

Abstracts: **175**

Research Papers: **360**

Books & Special Volumes

Tahirkheli, R.A.K. & Jan, M.Q. (eds.), 1979. Geology of Kohistan, Karakoram Himalaya, northern Pakistan. Special issue (vol.11) of the Geological Bulletin, Univ. of Peshawar, 187p.

Tahirkheli, R.A.K., Jan, M.Q. & Majid, M. (eds.), 1980. Proceedings of the International Committee on Geodynamics, Group 6 Meeting at Peshawar. Special issue (vol.13) of the Geological Bulletin, Univ. of Peshawar, 213p.

Jan, M.Q., Khan, M.J. & Hamidullah, S. (eds.), 1989. Tectonic Evolution of Collision Zones between Gondwanic & Eurasian Blocks. Special issue (vol.22) of the Geological Bulletin, Univ. of Peshawar, 239p.

Ghauri, A.A.K., 1989. Laboratory Exercise Book in Structural Geology. N.C.E. Geology Univ. of Peshawar, p.324.

Ghauri, A.A.K., 1990. Manual of Structural Geology - Techniques used in Structural Analysis (vol. 1). N.C.E. Geology Univ. of Peshawar, 148p.

Majid, M., Jan, M.Q. & Khan, M.J. (eds.), 1990. Proceedings of the second Pakistan Geological Congress (Part 1). Special issue (vol.23) of the Geological Bulletin, Univ. of Peshawar, 263p.

Majid, M., Jan, M.Q. & Khan, M.J. (eds.), 1991. Proceedings of the second Pakistan Geological Congress (Part 11). Special issue (vol.24) of the Geological Bulletin, Univ. of Peshawar, 237p.

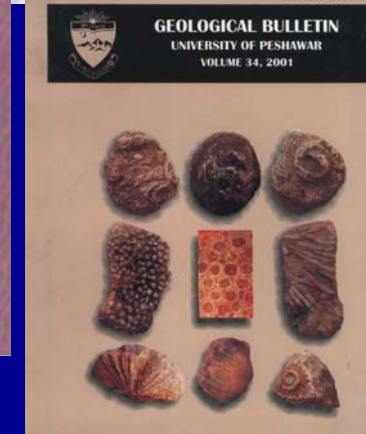
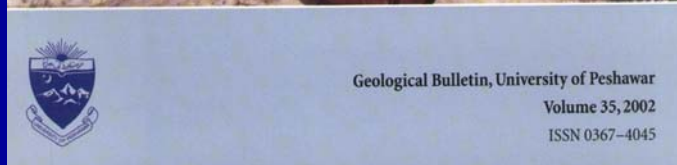
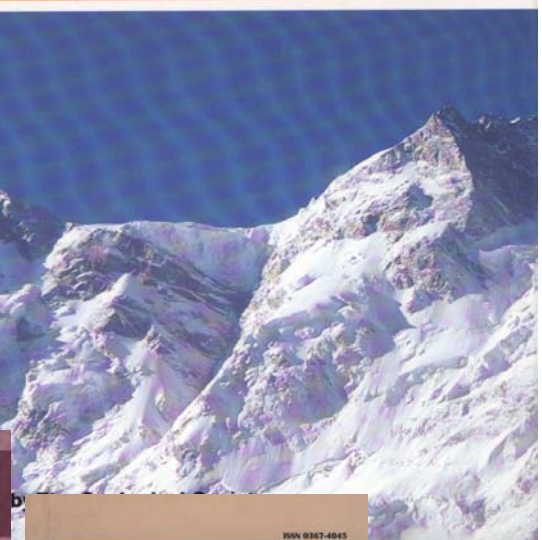
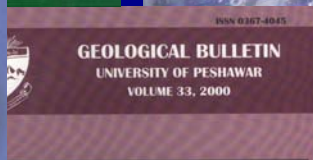
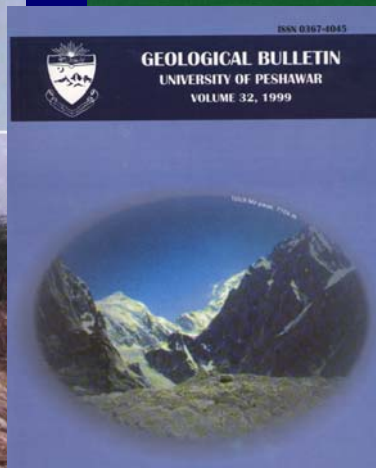
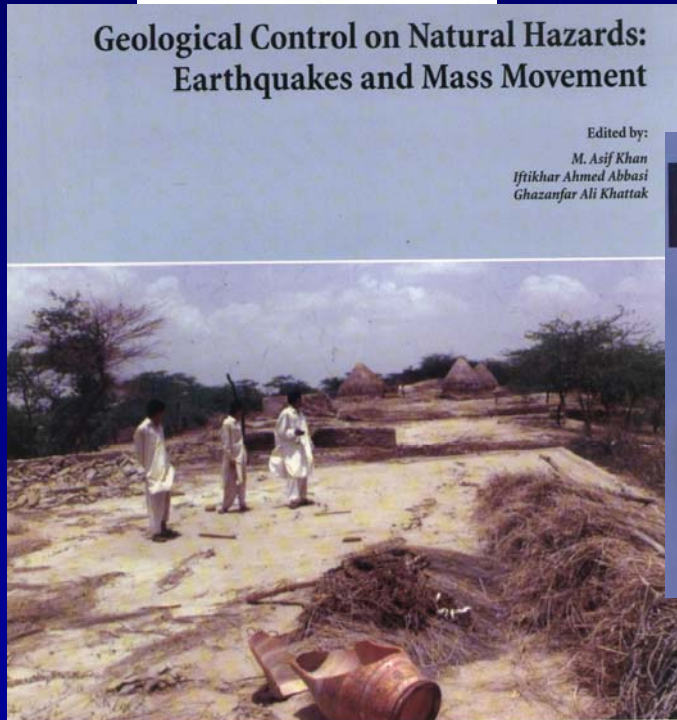
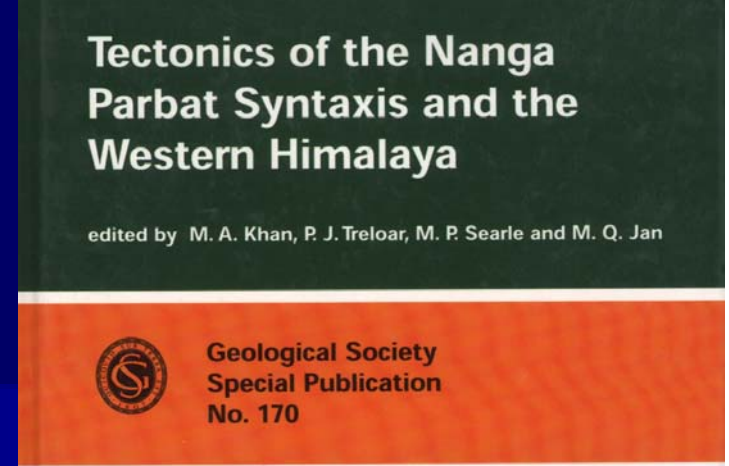
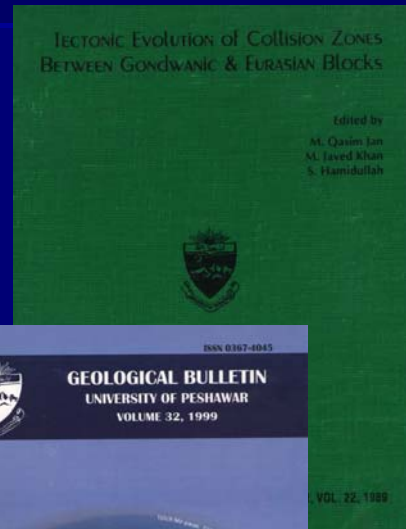
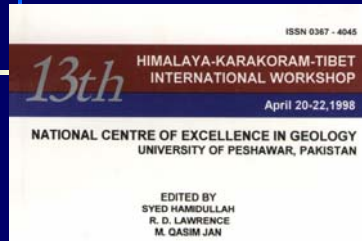
Kazmi, A. H. & Jan. M. Q. (eds.), 1997. Geology and tectonics of Pakistan. Graphic publisher, Karachi, 554p.

Hamidullah, S., Jan. M.Q. & Lawrence, R.D. (eds) Abstarct Volume 13th Himalaya-Karakoram-Tibet-International Workshop, 1998.

Khan, M.A., Treloar, P.J., Searle, M.P. & Jan, M.Q. (eds) 2000. Tectonics of the Nanga Parbat Syntaxis and the Western Himalaya. Geological Society, London, Special Publication, 170.

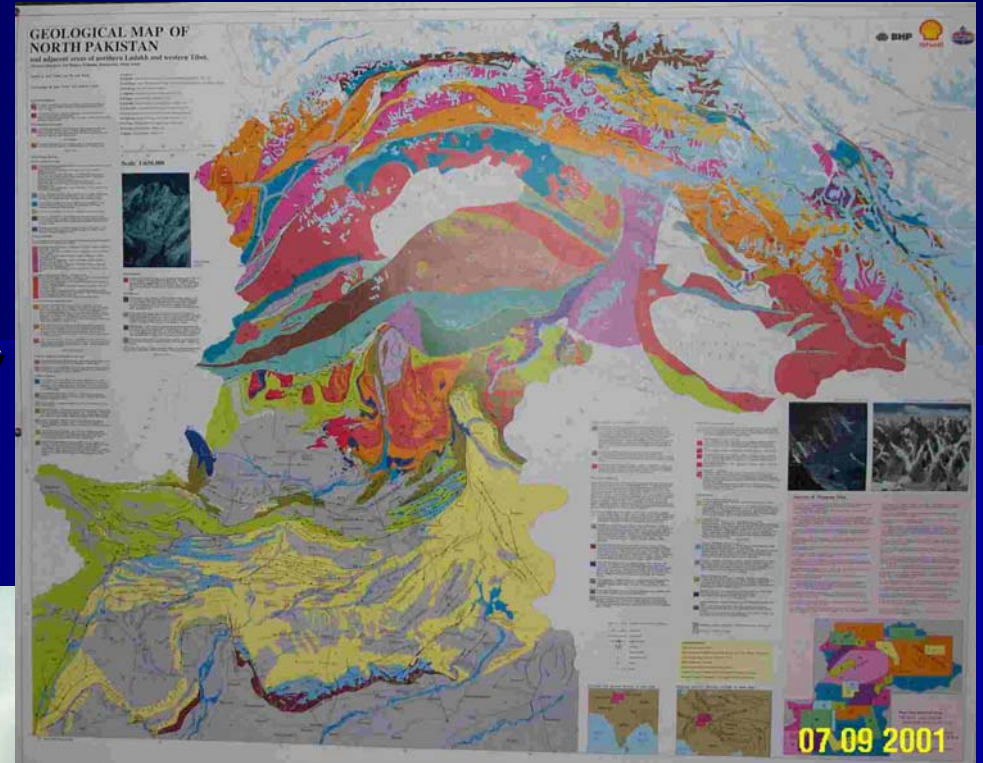
- **Khan, M. A., Abbasi, I. A., Khattak, G. A. 2002. Geological Control on Earthquakes & Mass Movements. Special issue (vol.22) of the Geological Bulletin, Univ. of Peshawar**

PUBLICATIONS



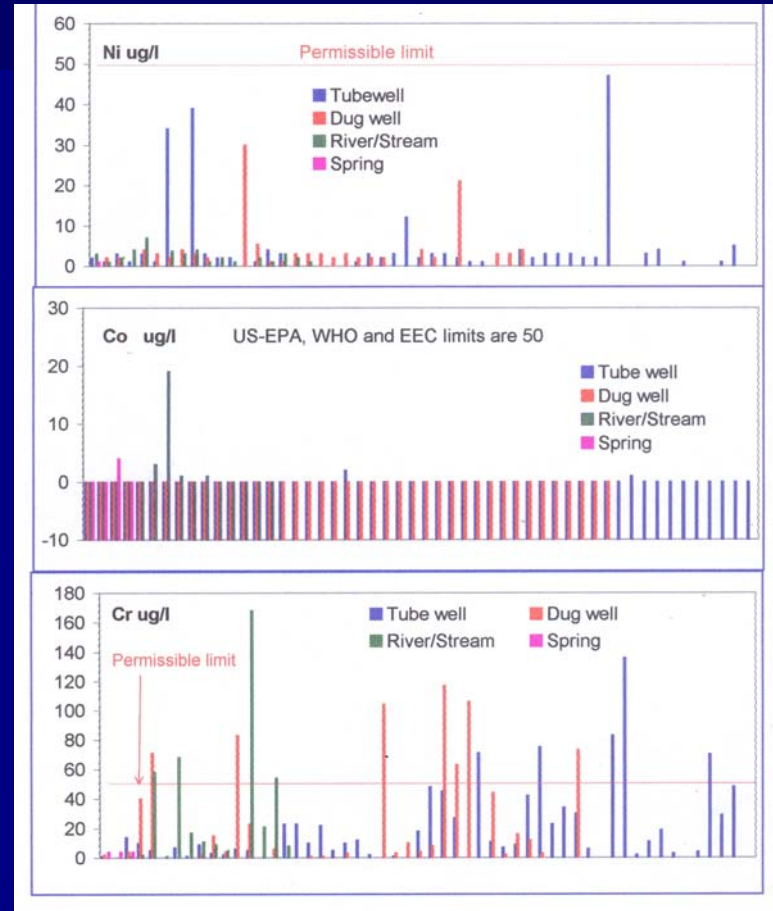
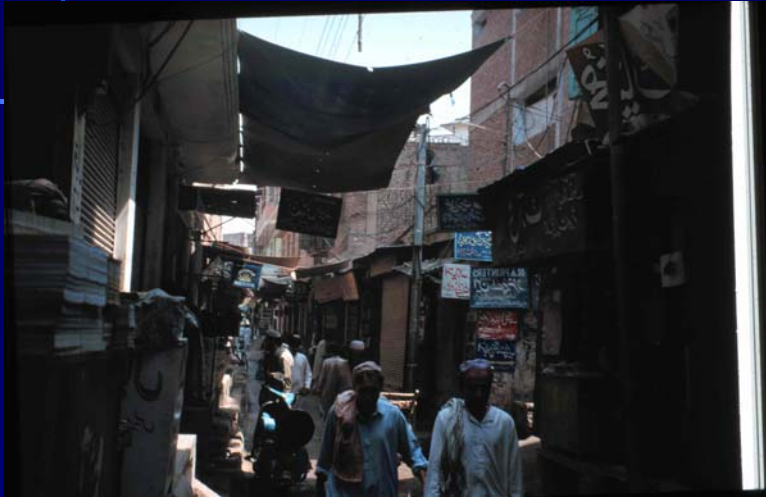
RESEARCH

Shontar Thrust Fault, Kashmir



RESEARCH

Air & Water Pollution in Peshawar Basin



KASHMIR EARTHQUAKE 2005



Conferences, Seminars & workshops

National Conference on “Economic and Environmental Sustainability of Mineral Resources of Pakistan, July 20-22, 2004, Baragali, Distt. Abbottabad

Chief Organizer: Prof. Dr. S. Hamidullah

Convener: Prof. Dr. M. Tahir Shah

Conferences, Seminars & workshops in 2003-04

National Conference on “Economic and Environmental Sustainability of Mineral Resources of Pakistan, July 20-22, 2004.



Conferences, Seminars & workshops in 2003-04

National Conference on “Economic and Environmental Sustainability of Mineral Resources of Pakistan, July 20-22, 2004.



Conferences, Seminars & workshops in 2003-04

Organized

Geo-information for Resource Management using
ARC/GIS, September 1-12. 2003, Swat.

Chief Organizer: Prof. Dr. S. Hamidullah

Convener: Prof. Dr. M. Asif Khan

Conferences, Seminars & workshops in 2003-04

Geo-information for Resource Management using ARC/GIS, September 1-12.
2003, Swat.



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Geo-information for Resource Management using ARC/GIS, September 1-12.
2003, Swat.



Conferences, Seminars & workshops in 2003-04

Petroleum Symposium II, May 2003



FUTURE OUTLOOK

- Building of New Campus
- Establishment of 20 Research Labs.
- Faculty Development by Awarding 20 PhD Scholarships to young faculty.
- University of Earth & Environmental Sciences