

Curriculum Vitae

DR. M. QASIM JAN

(SI, TI, FPAS, FTWAS)
HEC Distinguished National Professor

ADDRESS:

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PERSONAL:

Date of birth: January 10, 1944
Domicile: Hangu, NWFP, Pakistan
Marital Status: Married; three children

EDUCATION:

Ph. D. 1977, University of London, UK.
M. S. 1967, University of Oregon, USA.
B.Sc. (Hons.) 1964, University of Peshawar, PAK (1st class 1st position)

Ph. D. Thesis: The mineralogy, geochemistry and petrology of Swat Kohistan, N.W. Pakistan (Advisor: Prof. R. A. Howie)

Post - Doctoral Research:

1994–95 University of Oregon, USA.
1989 University of Leicester, UK.
1987–88 University of Oklahoma, USA.
1985 Dartmouth College, USA.
1981 University of Leicester, UK.

Special Training/Courses:

Participated in Advanced Master Class (STRATEGIC FORESIGHT), March 2007, Dubai.
Two weeks `Regional Training Workshop on Landslide and Debris Flow Management and Control...` MHE, Chengdu, China, Nov. 1997.
Three weeks training on Electron Probe X-ray Analysis at JEOL, Japan, Oct. 1983.
Two weeks graduate course in Theoretical Petrology at Univ. of Manchester, 1976.
One year certificate course in French language, 1969.
A week-long course on "Communication" by Michigan State Univ., USA, Dec. 1967.
Three weeks "Geological Training Programme" organized by the Tarbela Dam Management, June 1964.

APPOINTMENT RECORD:

Vice Chancellor, Quaid-i-Azam University, Islamabad, Oct. 2005 to date.
Distinguished National Professor of the Higher Education Commission, January 2004.
Vice Chancellor, Sarhad University, Peshawar, July. 2001–Jan. 2004.
Professor, Dept. of Geology, Univ. of Peshawar, Dec. 2000–June. 2001.
Vice-Chancellor, University of Peshawar, Oct. 1997– Dec. 2000.
Dean, Faculty of Science, Univ. of Peshawar, Feb.–Oct., 1997.
Visiting Professor, Univ. of Oregon, USA, July 1994–June 1995.
Director, National Centre of Excellence in Geology, June 1988– Dec. 2000.
Professor, National Centre of Excellence in Geology, Jan. 1983.
Associate Professor, Dept. of Geology, Univ. of Peshawar, April 1979.
Assistant Professor, Dept. of Geology, Univ. of Peshawar, June 1970.
Lecturer, Dept. of Geology, Univ. of Peshawar, Jan. 1968.

ACADEMIC & ADMINISTRATIVE CONTRIBUTIONS:

The Centres of Excellence are highly autonomous institutions affiliated to their host universities only academically. The Directors are responsible for overall planning/development, and all matters related to administration, finances, and academics of the Centres. In essence, a director has to perform duties identical to those of a chief executive of an organization. In addition to general administration, as Professor & Director, I solicited large grants and played a major role in: 1) Establishing advanced research laboratories in the Centre of Excellence in Geology, University of Peshawar, 2) Developing a good library housing > 7000 books and over 35 international and national scientific journals, 3) Developing a well-qualified faculty through finding scholarships for younger colleagues, 4) Driving faculty and students of the Centre towards greater involvement in both applied and basic research, and 5) Raising the Centre to be rated as one of the leading academic institutions of advanced education in Pakistan.

The University of Peshawar had 51 institutes/departments, ranging from schools through colleges and departments, to centers for advanced studies and research. With a total of more than 15,000 students and sprawling campus with about 40,000 population, the management and administration alone is a challenging task for any chief of the university. As Vice Chancellor, was responsible for the overall administration academic/financial planning and development, resource management, and academic Programmes and research activities in the university.

From July 2001 to Jan. 2004, engaged in establishment of newly chartered private sector institution, the Sarhad University of Science & Information Technology, Peshawar.

From Oct. 2005, involved in planning and implementation of 15 years (2006-2020) growth and development of Quaid-i-Azam University.

HONOURS/AWARDS/FELLOWSHIPS:

Honours:

Pakistan civil award **Sitara-i-Imtiaz**, 1999.

Awarded **BPS-22** as personal grade, 1999.

Selection in **BPS-21** for meritorious services, 1996.

Pakistan civil award **Tamgha-i-Imtiaz**, 1994.

Izaz-i-Fazeelat [President medal for excellence in teaching], 1993.

Awards

Ministry of S&T "*Life-time Productivity*" allowance (2001).

Pakistan Education Forum (Islamabad) *Award for Educational Management* (outstanding performance as VC), 2001.

Services for Education Award (2000), by Better Pakistan Foundation.

Awarded by National Book Foundation of Pakistan for authorship of '*Best Book in Natural Sciences*' for 1995-1997 period.

Gold medal for research publications in Earth Sciences (1997) by the Pakistan Academy of Sciences.

Ministry of Science & Technology prize for *outstanding research publications* (1996).

Scientist of the Year award (1990), National Book Foundation of Pakistan.

Earth Scientist of the Year award (1986), National Book Foundation of Pakistan.

Gold medal (open: Physical Sciences) for research publications (1980), Pakistan Academy of Sciences.

Fellowships/Scholarships:

Senior Fulbright Fellow & Visiting Professor (July 1994–June 95), Univ. of Oregon, USA.

British Natural Environment Research Council Fellow (1989), Univ. of Leicester, UK.

Senior Fulbright Fellow (June 1987-- May 88), University of Oklahoma, USA.

US NSF Sponsored research visit to Dartmouth College, New Hampshire, USA, 1985.

Guest Research Fellow (1981) of the *Royal Society of London*, Univ. of Leicester, UK.

British Council Scholarship for advanced studies in UK, 1973–77.

USAID Scholarship for higher studies in USA, 1965–67.

Merit Scholarship through most of high school and college career.

PROFESSIONAL AFFILIATIONS:

Chairman:

Himalayan Regional Committee of the International Lithosphere Program, 1998–2004.

Patron;

National Geological Society of Pakistan, 1998 to date.

Fellow:

Honorary Fellow, Nepal Geological Society, 2007.

Academy of Sciences for the Developing World (TWAS), 2002.

Pakistan Academy of Geological Sciences, 1995.

Pakistan Academy of Sciences, 1991.

Mineralogical Society of America, 1990.

Geological Society of London, 1981.

Member:

Council, Association of the Academies of Sciences in Asia, 2006–

Association of Geoscientists for International Development (life member), 2005.

Council of Pakistan Association for History and Philosophy of Science, 2001 to date.

Society of Economic Geologists & Mineral Technologists (life member), 1997.

National Geological Society of Pakistan (life member), 1995.

Nepal Geological Society (life member and SAARC representative), 1994.

Mineralogical Society of Great Britain and Ireland, 1974.

Ex-member:

Mineralogical Association of Canada; Geological Society of America; National Geographic Society (USA); Geological Society of India; Adara Faroghe Science (Peshawar); Scientific Society of Pakistan; Corresponding Member, Coordinating Committee, International Lithosphere Program, 1986–1988; Khyber Geological Society, 1970–80.

Journals' Editorship:

Member, Editorial Board, "World Applied Sciences Journal" Montreal, 2006-2007.
Member, Editorial Board, "SEGMITE International" (Karachi), 2003 to date.
Member, Editorial Board, "Journal of Science & Technology Policy and Scientometrics" (Islamabad), 2002 to date.
Member, Editorial Board, "Pak. Jour. History & Philosophy of Sci." (Islamabad), 2000 to date.
Member, Advisory Board, Jour. of Sci. & Technol., Univ. Peshawar, 2000 to date.
Member, Editorial Board, "Proceedings, Pak. Acad. of Sciences" (Islamabad), 1995 to date.
Member, Advisory Committee of "The Nucleus" (Islamabad), 1995 to date.
Editor, "Geological Bulletin, Univ. of Peshawar", 1969–1998.

ACADEMIC/SCIENCE ADMINISTRATION:

Member of the group of expert for ranking of universities in OIC member states, 2007.
Member, Board of Governors (BOG), National Centre of Excellence in Geology, University of Peshawar, 2007 -
Chairman of the Board, US Education Foundation in Pakistan, 2006 to date.
Member, BOG, Hydrocarbon Development Institute of Pakistan, 2006 to date.
Member, Board of Trustees, Pakistan Science Foundation, 2005–2008, 1999–2003.
Member Syndicate, University of Peshawar, 2005-2007.
Focal Point (Earth Sciences), HEC National Research Program for Univ. Teachers, 2004–
Member, DDWP, Higher Education Commission, 2005 to date.
Member, National Think Tank on Education, 2005-2006.
Chairman, Working Group (of the Planning Commission) on Mineral Sector, Medium-term Development Framework 2005–10, 2004.
Member, BOG, Qurtaba University, DI Khan, 2004 to date.
Member BOG, Sarhad Univ. of Sci. & IT, Peshawar, 2004 to date.
Member BOG, SBK Women's Univ., Quetta, Balochistan, 2004–2006.
Member, Advisory Council for Mineral Sector Devel., Govt. of Pakistan, 2004-2006.
Member, Technical Committee, Pak. Sci. Foundation, 2004–, and 1995–1997.
Member, Syndicate & Senate, Islamia University, Bahawalpur, 2003–2005.
Member, BOG, Gandhara University, Peshawar: Northern University, Nowshera: and National College of Business Admn. & Econ., Lahore, 2003–2005.
Member BOG, Capital Institute of Sciences & Technology, Peshawar, 2003 to date.
Member, Board of the Higher Education Commission of Pakistan, 2002 to date.
Convener, Coordination Council of Private Chartered Univs. of NWFP, 2002–2003.
Member, Standing Sub-Committee of the VCs of Private Univs. of Pakistan, 2002–2003.

Member of the Syndicate, NWFP Agricultural University, 2001-2007.
Advisor (Honorary), Gems & Gemmological Institute, Peshawar, 2001-2007.
Member, Advisory Board, Geological Survey of Pakistan, 2000.

Member, BOG, Centre Excel. in Mineralogy, Univ. Balochistan, Quetta, 2000 to date.
Member, BOG, Bahria University, Islamabad, 2000 to date.
Member, BOG, Al-Khair University, AJK, 2000–2004.
Member, Board of Management, PCSIR Labs., Peshawar, 1996.
Member/Chairman/Convenor of various bodies of many academic and scientific institutions and organizations for varying durations (e.g., Senate, Syndicate, Acad. Council, BOG, Board of Advanced Studies & Research, Board of Studies, Selection Board, Expert/Technical and other committees etc.).

OTHERS:

Member, Pakistan Delegation 12th meeting of COMSTECH, Islamabad, Feb. 2006.
Member, Provincial Managing Committee, Pak Red Crescent Society, NWFP branch, 1997–2000 & 2005
Member Pak. Science Foundation Technical Committee 1997 & 2003 to date.
Member, Ministry of Education Think Tank on College Education, 2002.
Convener, (MoST) Peer Review Committee of Earth Sci. Organizations, 2001–2002.
Honorary Life Member, Pakistan Education Forum, Islamabad, 2000.
Member, National Scientific and Research Development Board, 1993.
Leader, Pak. Earth Scientists delegation to Academia Sinica (PR China), July 1992.
Member, Mineral Coordination Board of Pakistan, 1991.
Observer, Pakistan Delegation to 1986 OIC Meeting on Sci. & Technol.
Member, National Committee for Intl. Geosphere-Biosphere Program, 1997 to date.
Member, Prime Minister's High Level Review Committee on Sci. & Technol., 1996.
Gave invited lectures in many institutions of Europe, America, and Asia.
Many certificates of appreciation, social work, sports, etc.

CONFERENCES/SYMPOSIUMS/SEMINARS/WORKSHOPS:

Participation:

Participated in hundreds of national/international scientific conferences, seminars, symposia, workshops and short courses. Acted as Chairperson of sessions in many of these, including: 2nd National Seminar on Development of Mineral Resources (Peshawar, May 1983); Geology and Tectonics of Himalaya and Tibet organized by the Royal Society of London (Nov. 1987); All Pakistan Geological Congress (Lahore, Oct. 1984; Baragali, Sept. 1990; Peshawar, Oct. 1997; Islamabad, Feb. 2001 and April 2004); Soc. Econ. Geol. & Mineral Technol. Seminar on Industrial Minerals (Peshawar, March 1990); UNESCO course/seminar on Plate Tectonics (Lahore, April 1991; Peshawar, Oct. 1991); South Asia Geological Congresses (Islamabad, Feb. 1992; Lahore, Sept. 2000); Himalaya-Karakoram-Tibet Geology Workshops (London, Nov. 1988; Oxford, April 1992; Kathmandu, April 1994; Rome, April 1997; Peshawar, April 1998; Kloster Ettal, Germany, March, 1999; Chengdu, China, April, 2000; Graz, Austria, April 2001; Ascona, Switzerland, April 2003; and Niseko, Japan, July 2004); Landslide Hazard Management and Control in the Hindukush-Himalaya organized by International Centre for Integrated Mountain Development, Kathmandu (July 1995);

International Seminar on Paleomagnetic studies in Himalaya-Karakoram Collision Belt and Surrounding Continents (Islamabad, Nov.1996); National Symp. on Economic Geology of Pakistan (Islamabad, July 1997); Member, Pak. delegation to Univ. Rome in seminar on Nuclear Tests in India and Pakistan (Nov. 1998); International Meetings of IGCP 421 (Peshawar, Sept. 1999, and Orange, Australia, July, 2000); Islamic Academy of Sciences, 12th Meeting (Islamabad, Oct. 2002); International Conf. on the Role of Natural Resources and

Environment in Sustainable Development in South and South East Asia (Dhaka, BD, Jan. 2003); 3rd World Academy of Sciences, 9th General Assembly (Beijing, China, Oct. 2003). Inter-Academy Panel Meeting of National Sciences Academies of OIC member states (Islamabad, March 2004); Association of the Academies of Sciences in Asia meeting on Tsunamis (Beijing, February 2005), 6th General Meeting & International Symposium on Science and Technology of Water (Seoul, Oct. 2005), 7th General Meeting (Hanoi, Nov. 2006), and 8th Meeting of the BOG and International Symposium on Environmental and Climatic Changes and Biodiversity in East Eurasia and Adjoining Areas (Irkutsk, Russia, Aug. 2007); International Karakorum Conference (Islamabad, April 2005); 1st Kashmir International Science Conference (Muzaffarabad, Sept. 2005); 99th All India Science conference (Hyderabad, Jan. 2006); International Conference on Earthquake in Pakistan (Islamabad, Jan. 2006); Frontier Environmentally Sound Technologies for Africa's Sustainable Development (Islamabad, Feb. 2006); Seminar on University Ranking in the OIC member states (Tehran, April 2007).

Organization:

Convenor, 'Post October 8, 2005 Muzaffarabad Earthquake Scenario'; Islamabad, 5–6 November, 2007.

Member of the Advisory Committee, 'International Workshop on Tectonics of Eastern Himalaya', Itanagar, India, Feb. 9–11, 2006.

Member of the Steering Committee, 'National Conference on Economic and Environmental Sustainability of Mineral Resources of Pakistan'. Bara Gali, PAK, July 20–23, 2004.

Joint Leader, 'Geological Field Excursion to Karakoram–Hindu Kush. 32nd International Geological Congress, Florence, Italy'. June 2004.

Member of Organizing Committee, 'International Symposium on Engineering Geology, Hydrogeology and Natural Disasters with emphasis on Asia'. Kathmandu, Nepal, September 28–30, 1999.

Convenor, '13th HKT International Workshop'; April 20–22, 1998, Peshawar.

Co-convenor, 'UNESCO seminar on Plate Tectonics', Oct. 12–27, 1991, Peshawar.

Joint Leader, 'KKH field excursion related to Punjab Univ. post-graduate course on Plate Tectonics', April 25–May 8, 1991.

Pak. Sci. Foundation joint guide for 'China-Pak. geological field excursion in northern Pakistan'; Sept., 1989.

Co-organizer, UNESCO funded 'COMTEC field excursion along the Karakoram Highway (KKH)'; mid. November, 1988.

Chief Instructor of course in 'Mineralogy & Petrography'; Baragali, 21–31 Aug. 1982.

Co-convenor, 'Group 6 meeting, International Committee on Geodynamics'; 23–29 November, 1979, Peshawar.

RESEARCH CONTRIBUTIONS:

Carried out extensive and intensive research on geology, mineralogy, petrology, and geochemistry of the Himalaya-Karakoram region of Pakistan, and several other areas. The studies have contributed to (1) better understanding of the geodynamic evolution of NW Himalaya, (2) Publication of the seminal book on Geology and Tectonics of Pakistan (Kazmi and Jan, 1997; 554 pp), (3) compilation of the first reconnaissance geological map of northern Pakistan (Tahirkheli and Jan, 1980), (4) chemical mineralogy of several chromite occurrences of Pakistan, (5) petrologic and tectonic evolution of the lower and middle continental crust in general and Kohistan

arc in particular, and (6) provision of a broad data base useful in research, planning, and mineral industry.

RESEARCH PROJECTS:

- Co-Principal Investigator (Co-P.I.), "Formulations of attenuation equation of part of N. Pakistan. P.I.: MonaLiza, HEC funded, Rs.5.8 million, 2007-2009.
- Co-P.I., "Seismic hazard assessment of Azad Kashmir using deterministric and probabilistic approaches". P.I.: MonaLiza, HEC funded, Rs.1.6 m, 2006.
- P.I., "Publication of 2nd edition of Geology and Tectonics of Pakistan". Pak. Acad. Sciences funded, Rs. 1.0 m, 2004-2006.
- Productivity allowance of Rs.1.2 million by Ministry of Science and Technology, of which 50% was for research (2001).
- P.I., "Geological bibliography of the Himalaya-Karakoram- Hindu Kush region of Pakistan". Pak. Sci. Foundation funded, Rs. 0.37 m, 1999–2000.
- P.I., NSRDB project "Crustal evolution of the southern Kohistan island arc, north Pakistan". National Sci & Devel Board funded, Rs. 0.69 m, 1991-1994.
- Participating Scientist in Royal Geographic Society, International Karakoram Project; Keith Miller as leader (1980).
- As Director of the Centre of Excellence in Geology, I was instrumental in attracting many Earth Scientists from developed countries for collaborative research with faculty of the Centre. The principal collaborations included the following:
- Coordinated US National Science Foundation funded project "Crustal reworking during orogeny"; P.K. Zeitler as P.I., 1995–98 (US\$ 2.24 million).
- P.I., "Collaborative research with industry (Institutional Excellence Project)". US funded, US\$ 0.27 m, 1992-1994.
- Co-PI, "Geology and tectonics of Kohistan, NW Himalaya of Pakistan". British Natural Environment Research Council funded project B.F. Windley as P.I. (1980–86). (This was an informal project in which many British scientists visited the Centre and faculty members of the Centre visited British universities for collaborative research focused on Kohistan. The entire activity was worth several million rupees, but did not involve any financial transactions).
- As Chairman, Himalayan Subcommittee of the International Lithosphere Program (1998–2004), have had US\$ 30,000 at disposal for scientific activities.

THESES/DISSERTATIONS SUPERVISED/CO-SUPERVISED:

Four M. Phil., many M. Sc. and the following Ph. Ds. at the Univ. of Peshawar:

1. M Rafiq, 1987. Petrology and geochemistry of the Ambela granitic complex, NWFP, Pakistan.
2. T Khan, 1994. Evolution of the upper and middle crust in Kohistan island arc, northern Pakistan.
3. MA Khan, 1997. Tectonic evolution of southeast Kohistan, northwest Himalaya, Pakistan (co-supervisor).
4. I Ahmad, 1999. Structure and metamorphism south of the Malakand and adjoining areas.
5. SR Khan, 2000. Petrology and geochemistry of part of the Waziristan ophiolite complex, Pakistan.
6. MRH Siddiqui, 2004. Crustal evolution of the Chaghai-Raskoh arc terrane, Balochistan, Pakistan (co-supervisor).
7. A Laghari, 2004. Petrology of the Nagarparkar granites and associated basic rocks, Thar district, Sindh, Pakistan.
8. R Bilqees, 2006. Mineral chemistry of the silicate phases from the Chilas complex, Kohistan arc.

PUBLICATIONS:

Besides a large number of unpublished scientific and administrative reports, author/co-author of 239 publications, half in international journals/volumes.

Edited seven special volumes on Geology of northern Pakistan.

Joint author of the seminal book "Geology and Tectonics of Pakistan" (Graphic Publ., Karachi, 554p), which won the Best Book award in Natural Sciences (1995–97 period) from National Book Foundation of Pakistan; being revised for 2nd edition.

REFERENCES:

- (1) Prof. M.D. Shami (SI), Pakistan Academy of Sciences, Constitution Ave., G-5/2, Islamabad.
- (2) Prof. Brian F. Windley, Department of Geology, Leicester University, Leicester, LE1, 7RH, UK.
- (3) Prof. R. D. Lawrence, Dept. of Geological Sciences, Oregon State University, Corvallis, OR 97331-5505, USA.
- (4) Dr. Peter S. Meadows, Biotechnology Unit, Graham Kerr Building, University of Glasgow, Glasgow, G12, 8QQ, UK.
- (5) Lt. Gen. (Rtd) M. Arif Bangash (formerly the Governor of NWFP & Chancellor of the Univ. of Peshawar), 13 Golf Road, Rawalpindi Cantt.

April. 12. 2008.