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OBJECTIVE: *Seeking a position as a soil and water specialist
where extensive experience will be further developed and utilized*

EDUCATIONAL QUALIFICATION

Level of Education	Name of Examination Passed	Institution or Board or University	Date of obtaining Certificate/Degree	Academic Marks		Division or Grade	% age/ CGPA	Major Subject
				Obt.	Total			
Matriculation	S.S.C	FEDERAL BOARD	1989	645	850	1 st / A	76	SCIENCE
Intermediate	F.Sc	ARMY BURN HALL COLLEGE ABBOTTABAD	1991	722	1100	1 st	66	PRE MEDICAL
Bachelor	B.Sc (Hons)	AGRICULTURE UNIVERSITY PESHAWAR	1996	5500 GPA 4.00	4345 3.69	1 st	79	WATER MA-NAGEMENT
Masters	M.Sc (Hons)	AGRICULTURE UNIVERSITY PESHAWAR	1998	1100 GPA 4.00	854 3.64	1 st	78	WATER MANAGEMENT
M.Phil / MS	MS	UNIVERSITY OF WESTERN AUSTRALIA	2007	1000 GPA 7.00	651 5.25	1 st	65	Land Rehabilitation

Detail of Experience: (Total Experience 18 Years)

Research Associate (IIMI-Pakistan) 1st April 1997 – 31st March 1998

Worked as Research Associate at International Irrigation Management Institute, Lahore, Pakistan for one year, from *1st April 1997 to 31st March 1998*. During the stay at IIMI-Pakistan my responsibilities

included Field Data Collection and Analysis of the data for IIMI-Pakistan and for my M.Sc. Thesis. I worked on effect of maintenance and conveyance losses on water distribution in selected watercourses in Chishtian Sub-Division Irrigation System.

Consultant (Dept. of Water Management) July – October 1998

Worked as consultant in the Water Harvesting Project, sponsored by the International Centre for Integrated Mountain Development (ICIMOD-Nepal) from **July 01, 1998 to October 30, 1998**. This study was executed by Department of Water Management, NWFP, Agricultural University Peshawar.

Hydrologist (Pakistan Forest Institute/ICIMOD/PARDYP-Pakistan) November 01, 1998 to January 20, 2006

Worked as **Hydrologist** in People and Resource Dynamics Project (PARDYP), PARDYP is a watershed research for development project.

I was engaged with this Project *since 1st November 1998 to 20th January, 2006*. My responsibilities were to monitor the research network. The network consists of five hydrological stations, six meteorological stations and four erosion plots. In this respect, I had considerable contacts with the local readers and station monitors, who I train and supervise. Furthermore, also charged with introducing initiative targeted at improving water management, such as improved irrigation efficiency and water harvesting.

As a **Site Incharge** in the project my duties were to look after all the project activities, administration, finalizing quarterly and annual progress reports, arranging different sort of trainings for the farmers and managing finance matters. I also have the experience of working as Acting Country Coordinator, PARDYP-Pakistan for one and half a month February-March 2003, looking after all the project's activities. Also attended planning and operational meetings of country coordinators in Kathmandu-Nepal as Site Incharge and Country Coordinator, in which strategies were developed for the next phase of People and Resource Dynamics Project in Hindu-Kush Himalaya.

Assistant Regional Manager (Water Resources) UNDP 7thFeb 2009-31st Dec 2010

I worked for the project of Mass Awareness for Water Conservation (MAWCD) from 7th February 2009 to 31 December, 2010. The project was executed by Pakistan Council of Research in Water Resources and financed by **United Nations Development Program (UNDP)** and Ministry of Science and Technology. As a Manager I was responsible to manage activities to disseminate awareness about water conservation and development at agricultural, domestic and industrial level.

Lecturer, Department of Agriculture, Hazara University (Haripur Campus), Haripur, Pakistan

From 28th February 2011 to 1st July 2012

Lecturer, Department of Agriculture, The University of Haripur, Pakistan

From 1st July 2012 to date

Publications

Jehangir, M., S. Zokaib, J. Merz, B.S. Dongol and P.K. Verma 2005. Assessment of Runoff and Soil loss from the selected watersheds in the Hindu-Kush Himalayan region. *Sarhad J. Agric. Vol 21 (3)* pp.437-444.

Sarwar, T., M. Jehangir, and M.J.Khan. 2001. Effect of watercourse maintenance and variable discharges on conveyance losses and water distribution, *Sarhad J. Agric. Vol. 17(3)*. pp. 387-394.

Zokaib.S., T. Sarwar, and M. Jehangir 2005. Study of stage-discharge relationship and stream erosion in Sub-catchments of Hilkot watershed (Mansehra) *J. eng. & appl. sci. vol. 24 No.1* 53-57

Zokaib.S., M. Jehangir, H. Shah, J. Merz and R. White 2005. Measurement and distribution of runoff and soil losses from selected watersheds in the Hindu-Kush Himalayan region. *Aquatic Ecosystem Health & Management, Vol. 8(3) pp. 1-7* (Impact factor 1.041)

Papers in Proceedings

Shah, H. and M. Jehangir (2003) Prosperity and Problems of the Mountain People in Hilkot Watershed, Mansehra. Paper presented in, National Conference on Prospects and Problems of Mountain Systems of Pakistan. Bara Gali Campus, University of Peshawar, August 2 – 6, 2003.

Paper accepted on “Assessment of Runoff and Sediment distribution in the HKH region” for the International Conference on Hydrology of Mountain Environments Berchtesgaden, Germany, 27 September - 1 October 2004

Jehangir, M., S. Zokaib, H. Shah and R.White “Hydrometric Network: to study the water dynamics in Hilkot watershed, PARDYP-Pakistan” Proceeding of the International Conference on Sustainable Water Resources Management in the Changing Environment of the Monsoon Region to be held from 7-9 Nov., 2004 in Colombo Srilanka, pp. 310 - 318

Zokaib, S., M. Jehangir, H. Shah and R.White “Monsoon Failure- Depletion of water resources in Hilkot watershed, Pakistan” Proceeding of the International Conference on Sustainable Water Resources Management in the Changing Environment of the Monsoon Region to be held from 7-9 Nov., 2004 in Colombo Srilanka, pp. 123 – 130.

Research Thesis

Jehangir, M. 1996. “To find out the water quality and water table depth in Peshawar Command Area,” NWFP Agricultural University Peshawar.

Jehangir, M. 1998. “Effect of Maintenance and Conveyance losses on water distribution in selected watercourses at Hasilpur Punjab,” NWFP Agricultural University Peshawar.

Jehangir, M. et al. 1998. “Local Water Harvesting practices and management system, at Battal, District Mansehra, N.W.F.P., Pakistan,” Deptt. of Water Management, Agricultural University Peshawar,

Supervised M.Sc (Hons) thesis of Suhail Zokaib, NWFP, Agricultural University, Peshawar on “Study of runoff, erosion and local water harvesting practices at Hilkot watershed, Mansehra”. March 2000.

Jehangir, M. (2007). An overview of runoff and soil losses in Hilkot watershed. MS thesis, University of Western Australia

Reports

Jehangir, M. et al. “Hydrometeorology Year Books, 1999 - 2004,” International Centre for Integrated Mountain Development, Nepal.

Jehangir, M. et al. “Annual Technical Reports 1999 - 2004 on Hydro-meteorology, Agriculture, Forestry and gender Issues,” People and Resource Dynamics Project, Pakistan Forest institute, Peshawar.

Jehangir M et al. Cross watershed paper on “Assessment of Runoff and Soil erosion in Hindu Kush Himalayan Region”.

Jehangir, M., S. Zokaib, J. Merz and H. Shah. “Water Synthesis CD on water resources in Hilkot Pakistan” People and Resource Dynamics Project, ICIMOD, Nepal.

Jehangir M., S. Zokaib and Abdus Salam. “Depletion of water resources due to decreasing snowfall in Hilkot watershed, Pakistan.” ICIMOD Newsletter, Water and Mountains, International year of freshwater, Water Year 2003. pp. 6

Supervised 4 research reports BSc(Hons) students, The University of Haripur.

Book Published

Runoff and Soil Erosion in Hilkot Watershed (HKH) Pakistan

An overview of rainfall pattern, runoff and soil erosion in Hilkot watershed, Pakistan

LAP LAMBERT Academic Publishing (2011-11-01).

ISBN 10: 3846535176 / ISBN 13: 9783846535172 EAN: 9783846535172

Training:

- Three-month computer course from N.W.F.P. Agricultural University Peshawar, in Dos/Windows, Lotus, Word perfect and FoxPro, held from March 1995 to June 1995.
- Participated in 10 days training about Participatory Rural Appraisal (**PRA**) conducted at Hilkot watershed, District Mansehra, N.W.F.P., Pakistan, December 1998.
- Training on flow measurements in streams and springs using salt dilution method, volumetric method and current meter.
- Training on down loading data from recording meteorological instruments with the help of computer.
- 15 days training visit to different organizations like Social Forestry Project Swat, Fruit and vegetable Project Mingora, Kalam Integrated Development Project (KIDP), Swat, Environmental and Rehabilitation Project (ERP), Swat and Agha Khan Rural Support Programme (AKRSP) at Gilgit and Hunza, 1999.
- Two-month computer course from Brains Post Graduate College of Computer Technology, Peshawar, in Dos/Windows, MS Word, MS Excel, MS Power Point, and Internet from 1st October 2000 to 30th November 2000.
- Participated in a 7 days training workshop on water and sediment analysis methods (**HYMOS**) conducted by Professor Rolf Weingartner and Mr. Juerg Merz, University of Berne, at ICIMOD, Kathmandu, Nepal, March 2000.
- Participated in 20 days **Hyper Media** training in GIS lab. Pakistan Forest Institute, Peshawar, conducted by Mr. Bhuban Sherestha, GIS specialist, ICIMOD, Nepal, April 2002.
- Training in Participatory Planning, Monitoring and Evaluation (PPM) in Human Resource Development Institute (HRDI) Islamabad from 7th to 10th April 2003.
- One day water quality training on ‘SODIS’ at Environment and Public Health Organization (ENPHO), Kathmandu, Nepal in June 2003.

- Hydrology equipment installation training at Pokhran, Nepal from 7th June to 10th June, 2003.
- Proposal and Report Writing training arranged by ICIMOD at PARDYP Office, Battal from 20th to 30th June, 2005.

Poster Presentations

Poster presentation on “Impact of nutrients chelated with humic substances on growth, quality and yield of grapes”. University of Wah in collaboration with the United States Educational Foundation in Pakistan (USEFP) and Fulbright Program. Abstract published in the contemporary issues in Biosciences, 29th March, 2017.

Workshops

- Attended and organized a three day workshop on “farmer day” at Hilkot watershed, Mansehra from 9th to 14th September 2001.
- Participation in 7 days workshop on regional synthesis of water resources at ICIMOD, Kathmandu, Nepal from 3rd to 10th of June 2002.
- Attended a Planning Workshop for PARDYP Phase III in Kathmandu, Nepal from 9th to 14th of September 2002.
- Participated in Planning and Operational workshop of PARDYP Phase III in Kathmandu from 16th to 23rd December 2002.
- Participated in Country Coordinators meeting in Kathmandu, Nepal, from 5th to 7th March, 2003
- Attended workshop on Access in Kathmandu, Nepal from 9th to 11th March 2003.
- Participated in workshop on Cross watershed Papers, in ICIMOD, Kathmandu, Nepal from 12th May to 6th June, 2003.
- Attended PARDYP Access Meeting from 6 – 7 December 2003 at ICIMOD Kathmandu.
- Attended PARDYP Technical Workshop from 8 – 9 December 2003 at ICIMOD Kathmandu, Nepal.
- Attended PARDYP Annual Progress and Operational Planning Meeting in ICIMOD Kathmandu from 10 to 13th December 2003.
- Participated in workshop by Pakistan Academy for Rural Development, Peshawar, on “Integrated Mountain Development – Case Study of PARDYP” at District Mansehra from 24 to 26 March, 2004.
- Attended Water Planning Meeting of PARDYP from 18th to 22nd May, 2004 at International Centre for Integrated Mountain Development (ICIMOD)-Kathmandu.
- Attended Sungi Partners Assembly, Workshop on Good Governance for the empowerment of People at Sungi Foundation, Abbottabad from 3 – 4 July 2004.
- Organized three workshops “Farmers Days” 2 – 3 September, 2003, Women Day, 4 September, 2004 and Farmers Day 17 – 18 September, 2004 at Hilkot watershed, Mansehra.
- PARDYP Annual workshop, Operational Planning Meeting, December 13 to December 18, 2004 at ICIMOD-Kathmandu, Nepal.

- PARDYP ER3 (Water Resources) meeting at ICIMOD-Kathmandu from 4th to 11th May, 2005.
- Regional Workshop on Sustainable Water Management, Hyderabad, August 4-5, 2009 organized by University of Sindh, Mehran University of Engineering and Technology, Jamshoro, Agricultural University Tando Jam and University of Exeter, U.K.
- Participated in National Workshop,” Opportunities and Challenges in Agriculture”, June, 2013, HEC Conference Hall, Khanspur, Ayubia.
- Resource person in workshop on wetlands day, delivered a lecture on “Wetlands and Agriculture in Pakistan” on 7th February, 2014 at Senate Hall, University of Haripur.
- HEC National Workshop on “Learning Outcomes” 28-29 June, 2014 at University of Peshawar, Bara Gali Campus.
- Participated in “Project Formulation Workshop” 15th to 17th September, 2014 at University of Haripur, organized by Pakistan Science Foundation and Office of Research, Innovation and Commercialization.
- Participated in symposium,”Healthy Soils for Food Security and Sustainability” November 5, 2015, University of Haripur.
- Resource person in two days farmers training on crop production technology at Model Farm Services Centre Haripur, Lecture delivered on “Importance of Land Preparation, Planting/Sowing Techniques and climatic effect in Wheat and maize production” on 22-23 December 2015.
- Resource person in two days farmers training on crop production technology at Model Farm Services Centre Haripur, Lecture delivered on “Role of Organic fertilizer and judicious use of Inorganic Fertilizers especially micro nutrients for cereal crops” on 22-23 December 2015.
- Attended workshop on Spring School on Water Systems, Science & Practice from 14th to 18th March 2016 at Lahore University of Management Sciences, Lahore
- Attended workshop on Satellite-based Applications in Climate Change from 28th to 29th April 2016 at COMSATS Institute of Science and Technology Abbottabad

REFERENCES:

References will be available upon request.