

CURRICULUM VITAE

Mohammad Jamal Nasir
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Academic Qualifications:

Ph.D (Geomorphology) 2004

M.Phil in Geography (Agricultural Geography), 1997.

M.Sc. in Geography (Gold medalist), 1992.

B.Sc. in Natural Sciences, 1989.



Further Certifications

- **Post Graduate Diploma in Applied Digital Geography and GIS** from Ryerson University Toronto Canada. (2008)
- **Post Graduate Diploma in GIS/RS** from National Centre of Excellence in Geology, University of Peshawar (2004)
- One Year (1998-1999) **In-Service Training** from Staff training Institute, Department of IER, University of Peshawar. Secured first position.
- One month (31st May to 25th June 1999) training on “**Application of GIS and Remote Sensing to slope instability Analysis and Hazard Mapping.**” From International Center for Integrated Mountain Development (**ICIMOD**). Nepal.

Teaching Experience:

I have been teaching in the Department of Geography, University of Peshawar for past twenty years (Sep. 1995 till to date). Currently I hold the post of **Assistant Professor**. I am teaching Introduction to Geographic information system, Spatial Analysis, Introduction to Remote sensing, Advance Remote Sensing, Physical Geography, Geomorphology, Applied Geomorphology, Techniques in Geomorphology and Landforms of Pakistan to MSc. and M.Phil classes. I am also supervising research thesis in the field of Geomorphology / Applied Geomorphology, Agriculture Geography and GIS/RS of both M.Sc. M.Phil and PhD level.

- **Resource Person** in one week training course on “Geo-Informatics for Disaster Management” held at National Centre of Excellence in Geology, University of Peshawar. December 21-26, 2010.
- **Resource Person** in Two week training course on “Geo-Informatics for Health Planning & Management” held at National Centre of Excellence in Geology, University of Peshawar. December 20-31, 2009.
- **Resource person** in National Level Training Course on “Application of GIS and Remote Sensing to slope instability Analysis and Hazard Mapping.”, 19th mar to 13th April 2000.Organized by Pakistan Forest Institute (PFI) and Department of Geography, Urban and Regional Planning, University of Peshawar in collaboration with ICIMOD, Nepal.

Teaching Philosophy

Geography as a discipline is often reduced to the study of maps. It is important to understand that the study of Geography is more than just knowing where a place is geographically oriented on a map, but in actuality, the three core concepts of geography are space, place, and environment. The essence of geography is an integration of spatial variation over the Earth's surface with the distinctiveness of places and interactions between people and their environments. GIS /Remote sensing and physical geography are the areas of interest for my teaching and research. I selected them because they provide the technical tools to see and understand the world in the big picture, observing the global consequences of the local decisions and planning the local activities with a holistic point of view. Beside the Study of the natural environment has always been an essential part of geography.

I have been equally inspired and discouraged by teachers throughout my academic careers especially at master level. The quality of a class is so often determined not by the value of the materials or the depth of the subject matter, but also by the enthusiasm and commitment of the teacher. As a teacher, I see myself impacting the lives of students by helping them obtain skills that encourage them to become life-long learners. Two of the most important skills used to becoming a successful life-long learner are critical thinking and problem solving. In order to develop and enhance these skills, a teacher must understand the diversity of students who are enrolled in the class. Each student comes into class with diverse backgrounds and learn in a wide variety of ways. In the twenty years I have found that an active learning environment in a classroom best supports students with diverse backgrounds and learning styles. This method of teaching is best summarized by an old Chinese saying: "I see, I forget. I hear, I remember. I do, I understand."

My goal as a teacher is to provide students with an environment in which they can learn from experimentation, their own creativity, and interaction and collaboration with others. Two ways I follow to achieve this goal: Bringing the reality of the world to the classroom, introducing into the lecture relevant material from the news, international reports, television or other sources of information accessible to everyone. And also taking the classroom to the real world using field trips and the students own experiences to make the process of learning both useful and fun.

I believe that the first step in producing the active learning environment is encouraging and allowing students to ask questions at anytime. In the classroom, I stop frequently and check understanding about the concept just covered thus engaging students in the topics being discussed.

Research Experience:

1. Two years experience as research officer in a joint Pak-German Project Sponsored by Technical University Berlin and GTZ. Worked on the "An examination of river terraces along the Chitral River, their distribution and surface deposits and Genesis." , 1997-1999. Supervised by Prof. Dr. Mohammad Saad.
2. Field Assistant CAK (Cultural Area Karakorum) project. Worked on "**Landuse and cropping pattern of Shigar Valley**" 1995. Worked under the Supervision of Prof. Parveen Daud Kamal, Department of Geography, University of Peshawar.
3. Field Assistant CAK (Cultural Area Karakorum) worked on "**Landuse and cropping Pattern of Hunza valley**" 1994, along with Prof. Parveen Daud Kamal, Department of Geography, University of Peshawar.

4. Three years experience as Research officer in Cultural area Karakorum Project. A joint Pak-German research project 1991-1993. worked on the “**Natural Hazards of Northern Areas in Pakistan**”, Supervised by Dr. Mohammad Said, Department of Geography, Urban & Regional Planning, University of Peshawar.

Administrative Experience

1. Deputy Director Student Societies, University of Peshawar February 2013 till to date.
2. Member of hostel Vigilance Committee University of Peshawar January 2013 till to date.
3. Senior Warden Rehman Baba Hostel # 2 and Kushal Khan Khattak Hostel No. 1 University of Peshawar, 2013 till to date
4. 6 years (1995-2002) experience as assistant warden Rehman Baba Hostel No. 2 and 01 Year resident Warden Allama Iqbal Hostel No. 9, University of Peshawar.
5. Associate Editor *Pakistan Journal of Geography* Published by Department of Geography, Urban and Regional Planning University of Peshawar. 2000-2004
6. Organized 4 refresher courses for the college teachers:
 - First batch held in 1999 at Department of geography, Urban & Regional Planning, University of Peshawar. Organized by Department of Geography, URP, University of Peshawar, with the collaboration of University Grant Commission Islamabad.
 - Second batch held in 2000 at Department of geography, Urban & Regional Planning, University of Peshawar. Organized by Department of Geography, URP, University of Peshawar, with the collaboration of University Grant Commission Islamabad.
 - First batch Refresher Course on *New trends and techniques in geography (GIS, RS, GPS and Report Writing)* held from 1st to 4th Sep. 2001 at Bara Gali Summer Campus, University of Peshawar. Organized by Depart. of Geography, URP, with the collaboration of University of Peshawar.
 - Second batch Refresher Course on *New trends and techniques in geography (GIS, RS, GPS and Report Writing)* held from 18st to 24th June, 2002 at Department of Geography, URP, University of Peshawar. Organized by Department of Geography, URP, University of Peshawar. with the collaboration of University Grant Commission Islamabad.

Research Thesis:

1. “An examination of river terraces along the Chitral River, their distribution, surface deposits and Genesis.” **Ph.D Thesis.**
2. “Impact of Karakoram Highway on Land use and cropping pattern of Hunza Valley”. **M.Phil. Thesis.**

Research Papers Published

1. Nasir, J. M., & Anwar, S. K., S. Alam and S. Akhtar. (2017). Impacts of Palai dam on land use and cropping pattern of Mouza Qilla, district Charsadda, Khyber Pakhtunkhwa, Pakistan. *Sarhad Journal of Agriculture*. 33(1): 80-89. DOI | <http://dx.doi.org/10.17582/journal.sja/2017.33.1.80.89>
2. Nasir, J. M., & Anwar, S. K. (2016) A comparative analysis of Steady State and Pulsating theories with the Quranic Concept of Universe, *AL-IDAHA*, Vol.30.

3. Iffat, T., Zafar, J., Fatima, F. & Nasir, J. M. (2016). Gender Role and Household Economy in Marginal Areas of Pakistan: A Study of Village ShnawaGudikhel District Karak, Khyber Pakhtunkhwa. *Pakistan Journal of Social Sciences (PJSS)* Vol. 36, No. 1. pp. 397-408
4. Pakhtun Y & Nasir, J.M. (2016) GIS Based Spatial and Temporal Analysis of Crimes, a Case Study of Mardan City, Pakistan. *International Journal of Geosciences*, 2016, 7, 325-334 Published Online March 2016 in SciRes. <http://www.scirp.org/journal/ijghttp://dx.doi.org/10.4236/ijg.2016.73025>
5. Nasir, J. M.,&Anwar, S. K. (2015) Demographic characteristics of drug abusers,attending a drug abuse treatment center in Peshawar, Pakistan. *The Journal of Humanities and Social Sciences*, Vol. XXIII, No 3,
6. Anwar, S. K&Nasir, J. M. (2015) Impact of Tanda Dam on Agriculture and Cropping Pattern of Mouza Kalu Chana, District Kohat. *The Journal of Humanities and Social Sciences*, Vol. XXIII, No 3.
7. Iram Alam Sthanadar, Aftab Alam Sthanadar, Benazir Begum, Muhammad Jamal Nasir, Imtiaz Ahmad, Ali Muhammad, Muhammad Zahid, Sana Ullah (2015) Heavy metals concentration in the sediment load of river Kalpani at district Nowshera, Khyber Pakhtunkhwa Pakistan. *Journal of Biodiversity and Environmental Sciences (JBES)* ISSN: 2220-6663 (Print) 2222-3045 (Online) Vol. 6, No. 4, p. 288-296,
8. Iram Alam Sthanadar, Aftab Alam Sthanadar, Benazir Begum, Muhammad Jamal Nasir, Imtiaz Ahmad, Ali Muhammad, Muhammad Zahid, Sana Ullah (2015) Aquatic pollution assessment using skin tissues of mulley (Wallago attu,Bloch & Schneider, 1801) as a bio-indicator in Kalpani river at DistrictMardan, Khyber Pakhtunkhwa, Pakistan. *Journal of Biodiversity and Environmental Sciences (JBES)* ISSN: 2220-6663 (Print), 2222-3045 (Online) <http://www.innspub.net> Vol. 6, No. 2, p. 57-66, 2015.
9. Iram Alam Sthanadar, Benazir Begum, Aftab Alam Sthanadar,Muhammad JamalNasir, Imtiaz Ahmad, Muhammad Zahid, Ali Muhammad, Sana Ullah (2015) Bioaccumulation of heavy metals in intestine of mulley (wallago attu,bloch & schneider, 1801): a case study of Kalpani river at district Mardan, Khyber Pakhtunkhwa, Pakistan. *Journal of Biodiversity and Environmental Sciences (JBES)* ISSN: 2220-6663 (Print), 2222-3045 (Online) <http://www.innspub.net> Vol. 6, No. 2, p. 74-80, 2015.
10. Nasir, J. M.,&Anwar, S. K. (2015) Origin of Earth: A Qur'anic Perspective, AL-IDAHA, Vol.29.
11. Nasir, J. M&Alam,M. (2014)The Quranic Concept of Apocalypse. *Peshawar Islamicus*, Vol.5, Issue, 2. July-December 2014
12. Iffat Tabassum, Fazlur-Rahman, Nasir, J.M. & Fazlul Haq (2013) Household Economy, Food Security and Rural: A Study of Village Latamber in Southern Khyber Pakhtunkhwa Province, Pakistan. *PUTAJ – Humanities and Social Sciences* 20, ISSN 2219-245X.
13. Alam,M. &Nasir, J. M (2012) Islam in the Bosnia and Herzegovina (A Comparative Analysis of Theories about the Spread of Islam in Bosnia and Herzegovina). *Peshawar Islamicus*, 3(2).
14. Nasir, J. M., Anwar, S. K. & Fazal Haq (2012). Comparison of NDVI and Supervised Image Classification to assess vegetative land cover in Ghazi Tehsil, District Haripur, Pakistan.*Pak.J.Pl.Sci.*, 18(1): 73-84; 2012.
15. Nasir, J. M., Iffat Tabassum, Anwar, S. K. & Said Alam (2012). Land Use Temporal Changes: A comparison using field survey and Remote Sensing. (A case study of Killi Kambarani & Satellite Town Quetta city. *Peshawar University Teachers association Journal (PUTAJ) Science*, ISSN 2219-2468, Vol. 19-2012.
16. Fazal Haq, Fazlur Rehman, Iffat Tabassum, Ihsanullah, Nasir, J. M& Anwar, S. K. (2012). Handling the Scarce Mountain's Resources: Role of indigenous tenure Arrangements in land management in

Roghani Valley, Northern Pakistan. Peshawar University Teachers association Journal (PUTAJ) Science, ISSN 2219-2468, Vol. 19-2012.

17. Anwar, S. K., Nasir, J. M., Taleem Badshah Khattak &Fazal Haq (2012). GIS based Temporal Analysis of Agriculture Landuse and Cropping Pattern of Village Malaksher Kaley, Quetta Baluchistan. Peshawar University Teachers association Journal (PUTAJ) Science, ISSN 2219-2468, Vol. 19-2012.
18. Nasir, J. M.&Anwar, S. K. (2011). Impact Of Riverbank Erosion In District Swat: A Case Study Of Kotanai Patwar Circle. Peshawar University Teachers association Journal (PUTAJ) Science, ISSN 2219-2468, Vol. 18-2011.
19. Anwar, S. K., &Nasir, J. M(2011). Impact Of Karakorum Highway On The Mechanization Of Agriculture: A Case Study Of Hunza Valley. Peshawar University Teachers association Journal (PUTAJ) Science, ISSN 2219-2468, Vol. 18-2011
20. Nasir, J. M &Anwar, S. K. (2011). Agro-Cropping Zonation Of Shigar Valley, Skardu Sub-Division, Northern Areas Of Pakistan. Pakistan Journal of Geography Vol. XX, No. 1 & 2, 2010. ISSN 1023-5105.
21. Nasir, J. M et al. (2003). Natural Hazard of Chitral Valley. Peshawar University Teachers association Journal (PUTAJ) Vol. 10, 39-47
22. Nasir, J. M. (2002). Sustainable Management of irrigation water, a case study of Hunza valley, Northern Areas of Pakistan. Journal of Geography, Vol. XI & XII, Nos. 1&2.
23. Nasir, J. M (2002)Felt Need and Development Demands of Shigar valley Baltistan Disst. Northern areas of Pakistan. Pakistan Journal of Geography, Vol. XI & XII, Nos. 1&2.
24. Nasir, J. M (2000) Development of Potholes along river Indus near Khairabad. Pakistan Journal of Geography, Vol. IX & X, Nos. 1&2 pp: 103-113.
25. Nasir, J.M. (1999) Natural hazards of Chitral valley. In: Haserodt, K., Ullrich. K., Israruddin, Khan M.T & Nasir, J. M. Intermontane Talverschuttungen und Terrassensteme in Chitral, Pakistanischer Hindukusch, Habitus, Genese und Nutzungspotential, Bericht an die DFG, Technische Universitat Berlin, 39-73.
26. Nasir, J. M. (1998). Impact of Karakorum Highway on land use of Northern areas. Karakorum – Hindukush – Himalaya Dynamics of Change. Edited by Irmtraud Stellrecht. ISBN 978-3-89645-154-5.

Conferences, Seminars and Workshops Attended.

Conferences and Presentations:

1. International Conference on “ Global Environmental Change and the Role of Geographers” held at Bara Gali Summer Campus, University of Peshawar, July 25-27, 2017. Organized by Department of Geography, UOP in collaboration with University of Gujrat. Presented Paper on “Flash Flood Risk Assessment of Swat River Watershed using Morphometric Parameterization and Geospatial Analysis.
2. International Conference on “Sustainable Management of Natural Resources”, 1st to 6th December 1999. Organized by Department of Geography, Urban and Regional Planning UOP in collaboration with UNESCO. Presented Paper on “Sustainable management of Irrigation Water, A case Study of Hunza Valley.”

3. 9th All Pakistan Geographical Conference, Islamabad December 26-30th 1997, organized by Allama Iqbal Open University Islamabad and Govt. College Asghar Mall , Rawalpindi. Presented Paper on Pothole Development along River Indus near Khairabad.
4. 8th All Pakistan Geographical conference 7th to 10th April 1996 organized by Department of Geography, University of Peshawar under aegis of Pakistan Geographical Association. Presented paper on “Felt needs and Development Demands in Shigar valley, Skardu Sub division, Northern Areas of Pakistan.”

Workshops and Training:

1. Participated in “ Urban Resillience Assessment-City and Community Consultation” Organized by Asian Development Bank in Collaboration with City District Government Peshawar. 24th April 2017.
2. Participated in “Capacity Building Workshop on Multi Hazard Vulnerability and Risk Assessment in Chitral and D. I. Khan, Khyber Pakhtunkhwa (KP), 1st and 2nd February 2016. Organised by PDMA, United Nation and Govt. of Khyber Pakhtunkhwa (KP).
3. Participated in “Advance ToT (Training of Trainers) conducted by Institute for Disaster Risk Management at CDPM University of Peshawar. From 12th April to 17th April, 2010.
4. Organized workshop on “ Technical Training needs and Institutional Assessment Study” for skill for employment and self employment (SES). April 18, 2000.
5. CAK (Cultural Area Karakorum) Workshop held at Lahore, December 1991.
6. Pak-German Seminar on problems of High Mountain Research in Karakorum, Gilgit. August 10, 1991.

Seminars:

1. “Fifty years of Geographic Research and Teaching in Pakistan: retrospect and Prospect” held at Baragali, Summer Campus, UOP, Aug 1997.
2. “National seminar on Geography and Planning in Pakistan” held at Baragali, Summer Campus, UOP, Pakistan 1993.
3. “National Seminar on progress of geography in Pakistan” held at Baragali, Summer Campus, UOP, Pakistan, 1991.