

(Brief)

**Bahadar Nawab, PhD** (Curriculum Vitae)

Department of Development  
COMSATS University Abbottabad, Khyber Pakhtunkhwa, Pakistan  
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Citizenship: Pakistani; Marital status: Married

**Key Qualifications:**

Development studies, environmental sciences, livelihood and food security, rescue, relief, rehabilitation and reconstruction in post disaster/conflict situation, water supply and (sustainable) sanitation. More than 15 years of experience in rural development in Pakistan and abroad

**Education:**

Year	Institutions	Degree
2006	Department of International Environment and Development Studies- Noragric, Norwegian University of Life Sciences (UMB)	<b>PhD</b> (International Environment and Development Studies)
2003	As above (UMB)	<b>Master</b> (Management of Natural Resources and Sustainable Agriculture)
1993	Department of Environmental Sciences, University of Peshawar, Pakistan	<b>Master</b> (Environmental Sciences)

**Employment Record:**

1. **Associate Professor/Head**, Department of Development Studies, COMSATS University Abbottabad, Pakistan, September 2008-todate
2. **Assistant Professor**, Department of Environmental Sciences, COMSATS University Abbottabad, Pakistan, March 2007 - September 2008
3. **Research Fellow**, Department of International Environment and Development Studies, UMB, Norway, August 2003 – October 2006
4. **Lecturer**, Department of Earth and Environmental Sciences, Bahria University, Islamabad, Pakistan, June 2001-July 2003
5. **Lecturer**, Department of Environmental Sciences, University of Peshawar, Pakistan, March 1994 – June 2001

**International Conferences/Workshops organized:**

1. International stakeholders workshop on Sustainable Sanitation, 2012
2. Challenges in relief, rehabilitation and reconstruction in post flood Pakistan, 2011
3. Human and livelihood security in post flood and conflict Swat, KPK 2011
4. Issues and opportunities in Post Conflict Swat, KPK 2010
5. International conferences on Sustainable Development in 2007 and 2009
6. Livelihood and food security in Post conflict Swat, KPK 2009
7. Causes and consequences of FATA/PATA crises in Pakistan, 2009
8. Collaborative workshops on institutional development in Pakistan and Afghanistan, 2008

## Consultancies/Technical support

- **Team Leader:** COMSATS fund raising and relief, rehabilitation work in the flood affected areas of KPK, Pakistan (2010-continued)
- **Team Leader:** Establishment of Sustainable Sanitation Research Centers on the campus (Jan-Dec 2010)
- **Team Leader:** COMSATS Fund raising and relief work in Post conflict Swat (IDPs), 2008
- **Team Leader:** Impact Assessment of FAO projects in Earth Quake Affected Areas (Jan-March 2007)
- **Environmental/Development Specialist:** Tourism and sustainable development in Tribal areas (FATA) of Pakistan (Oct- Feb 2007)
- **Team Leader:** Impact Assessment and Evaluation of Swiss Development Organization Project on use of Medicinal for livelihood Improvement in Swat Valleys, Pakistan (Dec-Feb 2006)
- **Action Research Scientist:** Negotiates with local community and design and construct Natural Treatment Systems for treatment and recycling of Domestic Sewage Wastewater at Machaki village, NWFP, Pakistan (Sep-Dec 2005)
- **Team Leader:** Design and construct Natural Treatment Systems for Industrial Wastewater at Gadoon Amazai Industrial Estate, NWFP, Pakistan (March 1998-Aug 1998)

## Projects in hand

S. #.	Title of Project	Name of Awarding Org.	Project Start/ Completion Date
1	Triangular (Pakistan-Nepal-Norway) MS program on Sustainable Water Sanitation Health and Development (5 years program)	SIU, Norway	August 2008- June 2014
4	Gender and human and livelihood security in post-conflict/disaster Pakistan: Policy implications of local, gendered understandings of security and development	Norwegian Research Council, Norway	Dec 2010-2013
5	Strengthening Applied Research and Capacity at CIIT Abbottabad, Pakistan in WATSAN, Livelihood, Security and Development in Post Conflict/disaster situation	Planning Commission of Pakistan	January 2011-12

## Selected Publications

- Baig, S. A., Xu, X., Ullah, N., Muhammad, N., Khan, Z. U., **Nawab, B.**, Mahmood, Q., Khan, R. 2012. Pakistan drinking water and environmental sanitation status in post 2010 flood scenario: Humanitarian response and community needs. *Journal of Applied Sciences in Environmental Sanitation*, 7:1 (49-54).
- Jamshed, R., Pervez, A., **Nawab, B.** 2012. Water quality assessment and mapping for water supply system of Abbottabad's urban settlement. *Pakistan Journal of Zoology* (In Press)
- Baig, S. A., Mahmood, Q., **Nawab, B.**, Pervez, A., Zeb, S. 2011. Development of low cost household drinking water treatment system for the earthquake affected communities in Northern Pakistan, *Desalination*, 272:316-320.
- Zeb, I., Mahmood, T., **Nawab, B** and Khan, J. (2011). Socio-cultural perspective of water and sanitation facilities provided by donors to selected rural community of Mansehra District, Pakistan. *Canadian Journal of Scientific and Industrial Research*, 2 (6): 242-250

- Mahmood, Q., Baig, S. A. and **Nawab, B.** 2011. Improvement of drinking water quality by using plant biomass through household biosand filter- A decentralized approach, *Journal of Ecological Engineering*, 37: 1842-1848
- Drangert, J. O and **Nawab, B.** 2011. A cultural-spatial analysis of excreting, recirculation of human excreta and health - the case of North West Frontier Province, Pakistan. *Journal of Health & Place*, 17: 57-66.
- Hasnain, S. A., Mahmood, T., **Nawab, B.** 2011. Benefits and health risks associated with usage of industrial wastewater. *Canadian Journal on Scientific and Industrial Research*, 2 (9): 329-336.
- Baig, S. A., Mahmood, Q., **Nawab, B.** 2010. Assessment of Seasonal Variations in Surface Water Quality of Chitral River, North West Frontier Province (NWFP), Pakistan. *World Applied Sciences Journal* 9 (6): 674-680.
- Nawab, B.**, Nyborg, I. L. P. 2009. Institutional Challenges in Water Supply and Sanitation in Pakistan: Revealing the gap between national policy and local experience, *Journal of Water Policy*, 11 (6) 582-597.
- Nyborg, I., **Nawab, B.** 2009. Towards sustainable rural sanitation: the role of the university in participatory technology development in Pakistan. *Journal of Science Vision*, 15 (1): 1-12
- Ahmad, I., **Nawab, B.**, Khan, M. A. 2009. Role of tradition institution in the management of natural resources in Pashtoon society, NWFP, Pakistan. *PUTAJ Sciences*, 16: 33-44.
- Nyborg, Ingrid and **Nawab, B.** (2010) Livelihoods, Security and Development in Post-Conflict Swat, NWFP, Pakistan. Workshop Report. Noragric/CIIT.
- Nawab, B.** 2009. Qualitative Impact Assessment of the FAO Response to the Pakistan's Earthquake, Food and Agriculture Organization, Rome
- Nyborg, Ingrid and **Nawab, B.** (2009) 'Towards sustainable rural sanitation: The role of the University in participatory technology development in Pakistan'. Paper presented at 'Conference for Environmentally Sustainable Development 2009'. COMSATS University, Abbottabad, Pakistan, August 2009.
- Nyborg, Ingrid, Bahadar Nawab, Ola Hanserud and Gry Synnevåg (2009). Collaborative Workshop on Participatory Research and Capacity Building of Institutions in Afghanistan and Pakistan in Sustainable Sanitation, Noragric Report no. 27. Norwegian University of Life Sciences.
- Nawab, B.** and Esser, K. 2008. Integrating technical and socio-cultural approaches for improved sanitation and access to safe water in NWFP, Pakistan. *Journal of Applied Sciences in Environmental Sanitation*; 3 (3):67-79
- Nawab, B.**, Nyborg, I. L. P., Esser, K. B., Jenssen, P. D. 2006. Cultural preferences in designing ecological sanitation systems in North West Frontier Province, Pakistan. *Journal of Environmental Psychology*, 26 (2006), 236-246.
- Ahmad, B., Zakir, S., **Nawab, B.**, Jehangir, A., Farhan, D. 2002. Monitoring of wastewater quality of Gadoon Amazai Industrial Estate NWFP Pakistan. *Asian Journal of Plant Sciences*. 1(1), 70-72.
- Nawab, B.**; Iftikhar, M. and Hussain, S. 2001. Evaluation of pollution caused by vehicular emission on Murree Highway. *Peshawar University Teachers' Association Journal (PUTAJ)* vol. 7 & 8, 87-99
- Nawab, B.** 2006. Ord, handling og Solidaritet, *Tuntreet*, 2 (61).

### **Books/Chapters in the books**

- Aftab, T., **Nawab, B.**, and Husnain, SW. A. 2011. Rainwater Harvesting systems in AJK, Pakistan: Assessing the effects of design and storage period on water quality LAP Lambert, Germany
- Husnain, S. A., Mahmood. T., and Nawab, B. 2011. Farmers' perception and knowledge in using wastewater for irrigation: benefits and health risks. LAP Lambert, Germany

- Nawab, B. 2008. Health and Environmental Risks from Poor Water Supply and Sanitation in Developing Countries-A Case of NWFP, Pakistan. Chapter in a book "S & T Policies and Strategies for Sustainable Development" COMSATS, Islamabad*
- Ayaz, Q., Miraj, M., **Nawab, B.**, (eds) 2002. Conservation and Islam. WWF-Lahore, Pakistan.pp 1-97.

### **Selected Proceedings of the International Conferences**

- Nawab, B.** Jadoon, K. G, 2010. Challenges and opportunities in post disaster interventions: the role of academic institutions in disaster management, in proceeding of the international conference on Disaster Risk Assessment, Bara Gali, KPK, Pakistan.
- Nawab, B** and Nyborg, I. 2008. Challenges in water supply and sanitation: institutions, actors, state rhetoric and ground realities in Pakistan. Proceedings of the third South Asian Conference on Sanitation (SACOSAN III) New Delhi, Nov 18-21
- Nawab, B.**, Nyborg, I. L. P., Esser, K. B., Jenssen, P. D. 2005. Cultural preferences for latrines and flush toilets with wetland treatment in North West Frontier Province, Pakistan. Proceedings from the International conference on ecological sanitation, 23-27 May 2005, Durban, South Africa.
- Nawab, B.**, Esser, K. B. 2005. Impacts of Pit Latrines on Groundwater quality in Kot and Takht-e-nasrati Villages, NWFP, Pakistan. Proceedings from the International conference on ecological sanitation, 25-27 November 2005, Mumbai, India.
- Nawab, B.**, Nyborg, I. L. P. 2004. Mobilizing the community for behavioral change- case of water supply and sanitation in NWFP, Pakistan. Presentation at workshop on hygiene education in rural water and sanitation in Kabul, Afghanistan.

### **Selected Research Reports/Master thesis supervised:**

1. Assessing flood damages to sanitation system and people's priority for its recovery in selected area of Nowshera, KPK
2. Gender perspectives on sanitation and hygiene: From vulnerabilities to coping strategies of women in flood affected Areas of KPK
3. Impact of poor sanitation on children health and education in rural areas of District Abbottabad
4. Evaluating the perceptions and insufficiencies related with water and sanitation in Afghan Refugee Camp, Mansehra
5. Analysis of the Community Led Total Sanitation (CLTS) process in District Mardan, NWFP, Pakistan
6. Exploration of culturally acceptable ecological sanitation options and low-cost treatment systems in selected area of Abbottabad
7. Comparative analysis of Pre and Post disaster water and sanitation approaches used in earth-quake affected areas of Muzaffarabad, Pakistan
8. Analysis of gender related needs, expectations and responsibilities in sanitation and water supply projects in Tehsil Balakot, Mansehra, Pakistan
9. Economic impacts of conventional and ecological sanitation in selected areas of Northern Pakistan
10. Analysis of Post-disaster water and sanitation issues in Kaghan Valley, NWFP, Pakistan, 2009