

Dr. Muhammad Nauman Ahmad

✉ Postal and
Permanent Address: House # 154, Sector D-3, street 18
Phase 1, Hayatabad Peshawar Pakistan



Cell: +92-3329262283
Office: +92-91-9216903
Residence: +92-915828287

Education

- | | | |
|--|----------|------|
| ➤ Ph.D in Environment
University of York, UK | | 2010 |
| ➤ MSc (Hons) (1 st Div)
(Agricultural Chemistry) | 3.69 GPA | 2006 |
| ➤ B.Sc. (Hons) (1 st Div)
(Agricultural Chemistry) | 3.38 GPA | 2004 |
| ➤ F.Sc. (1 st Div)
(Pre Medical) | 669/1100 | 1999 |
| ➤ Matric (Science Subjects) (1st Div) | 596/850 | 1997 |

PhD Research Thesis

‘Air pollution impacts to agricultural crops’

Current Research Projects

1. The impact of tropospheric ozone on mung bean using protective chemicals from January 2011-April 2012. Funded by Asian Institute of Technology-United Nations Environment Programme Regional Resource Centre for Asia and the Pacific (AIT-UNEP RRC.AP)
2. Biomonitoring of road side air pollution and its impacts to crops in Peshawar. Funded by Higher Education Commission, Pakistan (HEC) 2011.

Current Supervision of MSc (Hons) Students

Waqar Aman (2010): *The effect of ozone on the nutritional quality of mung bean using protective chemical (EDU)*

Ziad Ahmad (2010): *The purification of Kabul River water for drinking to be use as a future alternate clean water source for Peshawar city*

Grants and Awards

HEC Scholarship for PhD at the University of York, UK (2007-10)

HEC Merit Scholarship for MSc (Hons) 2004-6

KPK Agricultural University Undergraduate merit scholarship (2000-03)

Conference travel grant by BSSS to Vancouver Canada (2010)

Travel grant by UNEP for Air Pollution Workshop in Delhi, India (2010)

Conference travel grant by APW to attend APW Workshop in Alberta Canada (2011)

Research Papers

1. **Muhammad N. A.**, Leon JL van den Berg, Hamid Ullah Shah, Tariq Masood, Patrick Bükler, Lisa Emberson and Mike Ashmore. Hydrogen fluoride damage to fruit trees in the vicinity of brick kiln factories in Asia: an unrecognised environmental problem? Submitted to Journal of Environmental Pollution.
2. **Muhammad N. A.**, Leon Van Den Berg, Hamid Ullah Shah, Abdul Wahid, Patrick Bükler, Lisa Emberson and Mike Ashmore. Ozone a threat to summer crops in Peshawar region? Submitted to Journal of Environmental Pollution.
3. **Muhammad, N. A.**, H.U. shah, Saleemullah, K and M. Suleman. Determination of beta carotene coentn in fresh vegetables using high performance liquid chromatography. Sarhad J. Agric. Vol. 23(3): 767-770.
4. Saleemullah, K., **M. N. Ahmad**, H.U. Shah and I.A. Khalil. 2007. Serum retinol level of human subjects fed carotene rich diet. Sarhad J. Agric. Vol. 23(3): 759-762.
5. Saleemullah, K., H.U. Shah, **M. N. Ahmad** and M. Suleman. 2006. Proximate composition and bio physical characteristics of local Soya bean cultivars. Sarhad J. Agric. 22 (1): 151-153.
6. Afia, Z., H.U. Shah, S. Khan, **M. N. Ahmad** & M.S. Siddiqi. 2006. Evaluation of Heavy metals and Pathogenic microorganisms in drinking water of Peshawar Valley. J. Asian Environmental Technology, vol. 10, (4): 08-09.
7. **Muhammad, N. A.**, S., Khan, P.I. Paracha, I.A. Khalil and H.U. Shah. Effect of boiling and storage on beta carotene content in vegetables locally available in Peshawar. (Accepted in Sarhad Journal of Agriculture)
8. **Muhammad, N. A.**, Saleemullah, K., F. javed and A.K. Iqtidar. High Performance Liquid Chromatographic determination of fruits locally available in Peshawar. (Accepted in Sarhad Journal of Agriculture)

International Seminars/Workshops/Symposium/Posters

- **Oral presentation: Ahmad, M.N.**, L.V.D. Berg and M. Ashmore. Effects of fluoride emissions from brick kilns on crops in Pakistan. Published in conference proceedings. 15th International Union of Air Pollution Prevention and Environmental Protection Associations' World Clean Air Congress at Vancouver, 12-16 Sep, 2010.
- **Oral presentation:** Hydrogen fluoride impacts on fruit trees in Peshawar' at CAPER conference, York march 29-31, 2010.
- **Poster presentation:** 'Air pollution impacts to agriculture in Peshawar' at CAPER conference, Manchester April 6-8, 2009.

Member of scientific societies

- British Ecological Society, UK (BES)
- British Soil Science Society, UK (BSSS)
- Pakistan Society of Biochemistry and Molecular Biology, Pakistan
- Society of Zoological Sciences

Computer Literacy

- Office Automation
- Internet

Organized by: Pakistan Tobacco Company. Akora Khattak Factory

Languages Known

Written & Spoken

- English
- Urdu
- Pushto

Fields of Interest

- Computer Related Work
- Sports
- Internet
- Studying Books

Extra Curricular Activities

- Member of York University Staff Cricket team, UK (Division I)
- Proctor at Graduate and Post Graduate level
- Best Bowler award at College Level
- Inter University Hockey Player
- Inter University Hockey couch for two years
- Member of Blood Donor Society
- Member of Alfarabi Club

Personal

Parentage	:	Inayat-ur-Rahman
Date of Birth	:	15-08-1982
Domicile :		Distt. Charsadda N.W.F.P.
Nationality	:	Pakistani
N.I.C. ID	:	17301-6403894-9
Passport ID	:	AG1158942
Religion	:	Islam
Marital Status	:	Single

References

Referee 1

Prof. Mike Ashmore
Environment Deptt. University of York, UK
Ph: 0041904434070
Email: ma512@york.ac.uk

Referee 2

Prof. Dr. Hamid Ullah Shah
Dean Faculty of Nutrition Sciences, KPK Agricultural University
Peshawar
Ph: 0092 9216903
Email: drhamidshah@aup.edu.pk