

ADNAN ZAHID

Mobile: +923325741394
Office: +924299231846
Email: adnan.iags@pu.edu.pk

CURRICULUM VITAE

Institute of Agricultural Sciences
University of the Punjab, Quaid-e- Azam
Lahore, Pakistan

RESEARCH INTERESTS

Crop/Soil Modelling, Conservation Agriculture, Crop Physiology & Climate Change

AWARDS

Goldmedalist of MSc (Hons) Agronomy during 2007-2009 session

Awarded two **Vice Chancellor Scholarships** from PMAS-AAUR

Awarded one **Merit Scholarship** from PMAS-AAUR

EDUCATION

In Progress PhD Agriculture (Agronomy)

Institute of Agricultural Sciences, New Campus, University of The Punjab Lahore Pakistan

Proposed Thesis Title: Modeling Dynamics of Soil Organic Carbon under Conventional and Conservation tillage in Rice Wheat Cropping System in Punjab Pakistan

2009 M.Sc. (Hons) Agriculture (Agronomy)

PMAS Arid Agriculture University Rawalpindi

Thesis Title: Effect of cutting and postcutting interval on Hydrogen cyanide in sorghum forages under rainfed conditions

2007 B.Sc. (Hons) Agriculture (Agronomy)

PMAS Arid Agriculture University Rawalpindi

2003 H.S.S.C. Pre-Medical

F.B.I.S.E

2000 S.S.C. (Science)

F.B.I.S.E

EXPERIENCES

Total Experience: 10 years

Lecturer, Institute of Agricultural Sciences, Quaid-e-Azam Campus, University of the Punjab, Lahore. (06-Jan-11 to date)

Prepare and deliver lectures to undergraduate and graduate students on topics such as Crop physiology. Basic Agriculture, Field crop Production and GIS & Remote Sensing

Supervision of under-Graduate and post-graduate In vitro and in vivo experiments

Supervision of tutorial group of students for managing co-curriculum and extra-curriculum activities

Institute's research station management

Managing and enhancing the yield production of commercial crops i.e. Wheat, Maize, and pulses and sharing research finding with other concerned departments/Institutes

Responsible for crops trials evaluation, data collection, analysis and interpretation.

Collaboration with different funding agencies to enhance research activities at institute

Member of Organizing committee responsible for holding International & National agriculture Conferences, Seminars, workshop and training

Sub-editor of a quarterly newsletter “Agricultural News

Besides teaching and administrative duties I focus to analyze plant physiological & molecular parameters and soil nutrient status by using different instruments i.e. spectrophotometer and Atomic absorption spectrophotometer, flame photo meter, DNA extraction kit, PCR, Gel electrophoresis, and soft wares i.e. SPSS 17, Statistix 8.1 and ArcGIS 9.3

Research Assistant, Green Circle Pvt. (Jan. 2008-Jan. 2011)

Research protocols development

Field surveying and conducting field trials on commercial crops i.e.wheat,Sorghum, Maize and Vegetables etc

Preparation of research manuscripts and research Presentations

Management of Field demonstration plots

Data collection, analysis and its interpretation besides research report writing

Development and maintenance of research databases and its interpretations for future roadmaps. For the motivation of farmers of Shiekh pura and Lahore regions to grow hybrid genotypes of vegetable and other crops I used field plot demonstration techniques and electronic and print media (Multimedia and pamphlets)

PUBLICATIONS

Published: 5, Submitted: 02, In pipeline: 02 Total Impact Factor (I. F.): 7.266

Iftikhar S., Shahid A.A., Nawaz K., **Zahid A.**, Anwar W., and Haider M.S.(2018). First report of black pit of potato caused by *Alternaria alternata* in Pakistan, *J. Plant disease*,102(02).” **3.173**

Ruqeyah A M., Ahmad A S, Muhammad Z S, Muhammad A, **Adnan Z**, Muhammad S H (2016)” First Report of *Curvularia tuberculata*Causing Brown Leaf Spot of Rice in Punjab, Pakistan. *J. Plant disease*, Vol:100(08):1791 . **3.173**

Muhammad A, Muhammad S, Ahmad A S, Muhammad A and **Adnan Z**. (2015).”Incidence of

yellow stripe rust in wheat growing areas of Lahore. *Mycopath* Vol:13(2): 113-116.

Adnan Z. Muhammad A, Ahmad A.A. Ahmad, S, Khan, K.A, Shah. S.M.Z and Ali, Q.A.(2014) Morphological and chemical changes in three cultivars of sorghum under dry conditions in Pakistan. *Mycopath*, V:12(1), 59-62.

Zahid.A., Azra. K and Ansar. M. (2011). Sorghum Hydrogen Cyanide”Published by VDM Publisher, Germany.ISBN:978-3-639-28547-5.

Zahid. A., Azra. K. and Ansar. M. (2012). Effect of Cutting and Post cutting Intervals on Hydrogen Cyanide in Sorghum Forage grown under Rain fed conditions. *Pak. J. Bot.*Vol: 44(3): 955-960. **0.92**

Ansar. M., Adeel. A. Arif. M. Nadeem. M and **Adnan.Z.** (2010).”Screening of some pre and post emergence herbicides to control weeds in chickpea (*Cicer arietinum* L.) under rainfed conditions. *Pak. J. Weed Sci. Res.* Vol:16(4): 421-430.

Ali M, Shahbaz M, Ahmad A S, Asif M and **Adnan Z.** (2017).” First report of leaf spot on cotton plants caused by *Boeremia exigua* in Pakistan" *Journal of Plant Disease*.

Ahmad A S, Tayyaba C, Asif M, Ali M, **Adnan Z**, Ruqeyah A M. (2017) First report of *Curvularia spicifera* causing leaf spot disease of *Solanum melongena* (Eggplant) in Lahore. *Journal of Plant Disease*

Adnan Z, Azra K, Kashif A K, Ahmed AS, Muhammad S H. (2017).Yield potential and stability indices as techniques to assess wheat genotypes under drought.

Adnan Z, Kashif A K,Ahmed A S, Muhammad S H.Use of GIS & GPS technology in monitoring of basic soil parameters of IAGS research farm.

M.phil Thesis Research Co-Supervision (05) Internship Co-supervision:(10)

Zahra Sultan (2015-17) Effect of micronutrients (Zn, Mn) and biocontrol agent (*Trichoderma* Spp) on the severity of *Fusarium* wilt of tomato (M.Sc Hons. Plant Pathology,Co-Supervisor).

Nida Javaid (2015-2017) Effects of regulator gene *Crg1* on the development of Mushroom *Coprinopsis cinerea*. (M.Sc Hons. Plant Pathology,Co-Supervisor).

Tayyaba Chaudary (2015-16) Antagonistic effect of different Biocontrol agents against fungal pathogens of *Solanum melongena* (M.Sc Hons. Plant Pathology,Co-Supervisor).

Farhana Gill (2015-16) Antifungal evaluation of various Biological extracts and oils against early blight of potato. (M.Sc Hons. Plant Pathology,Co-Supervisor).

Aisha Javed (2014). Thesis topic “Management of *Fusarium* Wilt of Tomato by Biological and Chemical Strategies”. M.Sc (Hons) (Plant Pathology) Institute of Agricultural Sciences, University of the Punjab, Lahore

Ahmad Hassan (2013). Thesis topic,”Stakeholder’s perception on environmental and Socio economics impacts of *Eucalyptus* in District Okara Pakistan”.M.Sc (Forestry Extension) Allama Iqbal Open University Islamabad

Submitted

In Pipeline

Supervision

M.phil Thesis students

Courses Taught

Basic Agriculture (Practical + Theory)
Field Crop Production (Practical + Theory)
GIS & Remote Sensing (Theory + Practical)
General Crop Physiology (Practical + Theory)
Principles of Agronomy (Practical + Theory)
Beneficial Microorganism (Practical + Theory)
Agricultural Communication (Theory)

Professional Development

Participated one day International Seminar on “Resource Conservation for Sustainable Agriculture & Food Security” April 19, 2018 at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan
Participated five days workshop on “Modern Techniques in Research on Abiotic Stress Tolerance in Plants” March 05-09-2018 at Nuclear Institute for Agriculture and Biology, Faisalabad.
Participated & organizing one day workshop on “Alternate crops for the Future of Pakistan May 16, 2016 at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan
Attended seminar on “Post-Harvest Technologies” January 26, 2016 by Prof. Dr. Chris Bishop at Institute of Agricultural Sciences, University of the Punjab, Lahore
Participated in One day hands-on-Training on “Thomson Reuters EndNote” 12th January, 2016 at Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore, Pakistan,
Oral presentation on “Yield potential and stability indices as techniques to assess wheat genotypes under drought. At 3rd International Conference on Sustainable environment and Agriculture (ICSEA,2015) October 11-12, 2015, New York, United States of America.
Participated Five days’ workshop on “Integrated Crop Management” September 7-11, 2015 at Pakistan Academy for Rural Development, Peshawar, Pakistan
Participated five days workshop on “Application of Biotechnology for Cotton and other crops” October 13-17, 2014 at National Institute for Biotechnology & Genetics Engineering (NIBGE), Faisalabad, Pakistan.
Oral presentation on Impact of industrial effluents and sewage sludge on soil of Peri -urban areas of Rawalpindi. December 29-30, 2013. International Conference on Agriculture and Biotechnology (ICABT 2013) at Malaysia.
Organized training workshop on “Cotton Leaf Curl Disease (CLCuD) Diagnostics & Resistance August 26-28, 2013 at Institute of Agricultural Sciences, Quaid E Azam Campus, Lahore, Pakistan
Participated in first National workshop on “Recombinant DNA Technology” April 22-29, 2013 at School of Biological Sciences, University of the Punjab, Lahore
Oral presentation on “Influence of cultivars and growth stages on morphological and chemical changes in sorghum (*Sorghum bicolor* L. Moench) under dry conditions in Pakistan.” November 24-25, 2012 3rd International Conference on Agriculture and Animals Sciences, Bangkok, Thailand
Participated in five days’ workshop on “Statistical Package for the social Sciences (SPSS)”, December 3-7, 2012 at Akhtar Hameed Khan National Centre for Rural Development Islamabad

Research Projects

Completed: (06) In Progress Project:(03)

Co-Principle Investigator of the research project “**GIS-based monitoring heavy metals content in soils of selected areas of Lahore** funded by University of the Punjab, Lahore, Fiscal year 2015-16 (0.125 million)

Co-Principle Investigator of the research project entitled “**Social integration outreach programme: Awareness on Dengue through workshops, seminars and roadshow**” 1.0 million funded by University of the Punjab, Lahore and Higher Education Commission fiscal year 2015

Principle Investigator of the research project “**Accumulation and remobilization of N-P contents under different sowing time and N-P levels in mungbean (*Vigna radiata* L.)** funded by University of the Punjab, Lahore, Fiscal year 2014-15 (0.125 million)

Principle Investigator of the research project “**The Effect of Exogenous application of Glycinebetaine and Proline on the *Vigna radiata* (L.) under salinity and water deficient conditions**” funded by University of the Punjab, Lahore, Fiscal year 2013-14 (0.125 million)

Principle Investigator of the research project “**Adaptation of sustainable approaches to raise the productivity of the wheat (*Triticum aestivum* L.) at the small farmers field of irrigated areas**” funded by University of the Punjab, Lahore, Fiscal year 2012-13 (0.125 million)

Principle Investigator of the research project “**Effect of conservative tillage and earthworm on the growth and development of mung bean (*vigna mungo*. L)**” funded by University of the Punjab, Lahore Fiscal year 2011-12 (0.125 million)

In Progress Project

Principal Investigator of the research project entitled “**Weed infestation assessment of rice**”

cultivated areas of Punjab University by using GIS and GPS techniques". funded by University of the Punjab, Lahore for the fiscal year 2017-18.

Co-Principle Investigator of the research project entitled "**Social integration outreach programme:Conservation Tillage awareness for controlling air pollution from rice straw buring in Punjab**"1.0 million funded by University of the Punjab, Lahore and Higher Education Commission fiscal year 2018.

Co-Principle Investigator of the research project entitled "**Social integration outreach programme:Awarness of Climate Smart Agriculture Practices Among Agri.Communities for Susatainable Environment Development**"1.0 million funded by University of the Punjab, Lahore and Higher Education Commission fiscal year 2018.

Competencies/ Key Skills Works:

Competent in using Arc-Geographical Information System (ArcGIS) software

Skilled on basic Molecular techniques and well trained in Biochemical analysis of plants i.e. DNA extraction, PCRs, GC-MS and Gel Electrophoresis etc.by performing and trained through different workshops

Having competent skills on experiments designing, evaluation and data collections

Have good computer skills besides having ability to analyze the crops/trials data in statistical modes learned through different training and field applications

Expertise in Development of High tunnels in the field

Competent in English language by obtaining 6.0 bands in IELTS test

References

Prof. Dr. Muhammad Saleem Haider

Professor & Director
Institute of Agricultural Sciences,
University of the Punjab,
Quaid-i-Azam Campus,
Lahore, Pakistan.
Tel : (Off) 00-92-42-99231847
Tel.: (Cell) 00-92-312-4155908
haider65us@yahoo.com
Known me as a colleague/Employee

Dr. Mukhtar Ahmad

Assistant Professor
PMAS-Arid Agriculture University
Rawalpindi
Tel : (Off) 00-92-519292059
Tel.: (Cell) 00-92-333-5959893
ahmadmukhtar@uaar.edu.pk
Supervisor (PhD) and Course Instructor
during B.Sc (Hons) and M.Sc (Hons)
Agronomy