

**DR. ZAHEERUDDIN MIRANI, PHD (USA)**

Department of Agricultural Education, Extension,  
and Short Courses; Sindh Agriculture University,  
Tandojam, 70060, Pakistan

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**PROFILE**

Dr. Mirani passed his Bachelor's program in 1994 from Sindh Agriculture University, Tandojam, Pakistan with first class first in Agricultural Education & Extension. He maintained his status/ passed his M.Sc with the same spirit and was again stood first class first in his major field and was appointed as a Lecturer in 1995. After his appointment, he was nominated for a foreign scholarship under ARP-II and was sent to the University of Minnesota, USA, for higher education.

Dr. Mirani has completed his Master's and Doctoral Programs in Education with specialization in Agricultural Extension Education from University of Minnesota, USA. His outstanding performance in the program shows his commitment towards the development of education and particularly in higher education. He has designed a number of training courses such as Modern Teaching Methods and Curriculum Design; Principles and future prospects. He has number of publications in international and national journals.

Dr. Mirani's major interest lies in monitoring and evaluating various developmental programs. His focus is on planning, implementation, and monitoring educational programs of rural development. In addition, most of Dr. Mirani's attention has been focused on developing research in management of education programs for adults, international teaching programs, and Extension. He has served as a facilitator in different training programs at SAU, Tandojam Pakistan, as well as at the University of Minnesota, USA.

Dr. Mirani has developed different research grant proposals. He has completed three research projects entitled "An assessment of the Impact of the Farm Advisory Services of Agricultural Extension and Other Allied Agencies in Sanghar and Mirpurkhas Districts of Sindh" and Study of the Long Term Impact of Farmer's Field School for Cotton Regarding Integrated Pest Management Practices in Sindh and Punjab Provinces of Pakistan duly funded by the Pakistan Science Foundation and "Identification and Analysis of Technology Transfer for Sustained Growth as Used by Extension in Sindh Province of Pakistan" duly funded by the Pakistan Agricultural Research Council under Agricultural Linkages Program. The projects were of Provincial importance with National Support. In addition, he has submitted development project proposal for funding.

Dr. Mirani has a solid knowledge of the use of computers in Education and can run easily different software packages such as Microsoft Office (Word, Power Point, Excel, Access), Corel Office (Word Perfect, Corel Presentation) and Statistical Packages for the Social Scientists such as SPSS and Statistix. He has developed and delivered a number of presentations and dealt with distance learning programs at the University of Minnesota.

At present, Dr. Mirani is serving as Professor and Chairman in the Department of Agricultural Education, Extension, and Short Course since 2015. He served as Acting Vice Chancellor at Sindh Agriculture University Tandojam from 21 September 2020 to 4<sup>th</sup> January 2021. He has quite experience of Teaching, Research, and Extension and administration on his account. He is firm committed to improve the quality of education at various levels. He teaches graduate and undergraduate classes. He is involved in supervising research work of M.Sc (Agri.) Hons. and PhD students. He speaks, reads, and understands English, Urdu, and Sindhi languages with fluency and can read Arabic (Holy Quran) as well.

## Dr. Zaheeruddin Mirani, Ph.D. (USA)

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<b>Date of Birth</b>	28-8-1969
<b>CNIC</b>	41303-2384567-7
<b>Domicile</b>	Hyderabad (Rural), Sindh
<b>Nationality</b>	Pakistani
<b>Address</b>	Department of Agril. Education Extension and Short Courses, Sindh Agriculture University, Tandojam Phone (O) (022) 2766945, (H) (022) 3405108 Fax (022) 2765300 E-mail: <a href="mailto:zamirani@sau.edu.pk">zamirani@sau.edu.pk</a>
<b>Objective</b>	Specialization in program implementation, monitoring and evaluation; Manage Research Activities and Education, Work as a Development Consultant, Provide Leadership to Community Organizations, and Develop Programs and Evaluate accomplishments at the Grass Root, Community, and National Level.
<b>Education</b>	<i>University of Minnesota, Minneapolis/St. Paul, USA.</i> <b>Ph. D. in Education</b> <ul style="list-style-type: none"><li>• Agricultural Extension Education</li></ul> <i>University of Minnesota, Minneapolis/St. Paul, USA.</i> <b>M. A. in Education</b> <ul style="list-style-type: none"><li>• Agricultural Extension Education</li></ul> <i>Sindh Agriculture University, Tando Jam, Pakistan.</i> <b>M. Sc. (Agri.) Hons. (First Position)</b> <ul style="list-style-type: none"><li>• Agriculture Education Extension</li></ul> <i>Sindh Agriculture University, Tando Jam, Pakistan.</i> <b>B. Sc. (Agri.) Hons.</b> <ul style="list-style-type: none"><li>• Agriculture Education Extension</li></ul>
<b>Professional experience</b>	(a) Sindh Agriculture University, Tando Jam, Pakistan <ol style="list-style-type: none"><li>1. Lecturer, 11 November 1995 to 10-03-2002</li><li>2. Assistant Professor, 11-03-2002 to 22-07-2010</li><li>3. Associate Professor, 23-07-2010 to 5-11-2015<ul style="list-style-type: none"><li>•</li></ul></li><li>4. Professor, 06 November 2015 to date</li><li>5. Manger, Financial Assistance, Directorate of University Advancement and Financial Assistance</li><li>6. Manger, University Advancement, Directorate of University Advancement and Financial Assistance,</li><li>7. Coordinator, PCEPT, at Sindh Agriculture University Tandojam for National Academy of Higher Education, Higher Education Commission Islamabad December 2010.</li></ol>

8. Chairperson, Department of Agricultural Education Extension and Short Courses, Faculty of Agricultural Social Sciences. From 2-1-2012 to 1-1-2018
9. Incharge Dean, Faculty of Agricultural Social Sciences. From 22-2-2014 to 10-12-2015
10. Acting Vice Chancellor, Sindh Agriculture University Tandojam. From 21-09-2020 to 4<sup>th</sup> January 2021.

**(b) University of Minnesota, Minneapolis/St. Paul, USA.**

1. Research/Teaching Assistant March 1999 to July 1999  
(Reflective Leadership Center)

- Managed Distance Learning Program, Facilitated Seminar,
- Maintained Message Board, Evaluated/Analyzed data,
- Developed Presentation and Course Material, etc.

2. Research/Teaching Assistant, July 1999 to September 1999  
(Agricultural Education Dept.)

- Data Analysis, Report Writing, Developing Presentations, and Seminar Arrangements.

**Member of  
Advisory Board**

1. Member, National Curriculum Revision Committee, HEC Islamabad.
2. Member, Academics: Left Bank Canals Area Water Board Badin.
3. Member, Board of Advanced Studies and Research, SAU, Tandojam
4. Member Senate, SAU, Tandojam
5. Member Academic Council, SAU, Tandjam
6. Member, Board of Faculty, SAU Tandojam
7. Member, Board of Faculty, University of Sindh, Jamshoro
8. Member, Board of Studies at SAU Tandojam
9. Member, Board of Studies at Uni. of Sindh, Jamshoro

**Research  
Publications**

**National Publications**

1. Response Surface Methodology for Soil Fertility Experimental Data. Journal of Applied Sciences, V. 1 No. 2, 2001.
2. Adoption of Innovation: Perception of Farmers Regarding Rice Technology. Journal of Applied Sciences, V. 1 No. 3, 2001.
3. Sustainable Agriculture Endeavors: Perception of Farmers and Extension Agents- Journal of Applied Sciences, V. 1 No. 4, 2001.

4. Sources of Information and Their Effectiveness in Dissemination of Recommended Technology for Cotton Crop. *Journal of Applied Sciences*. V.2. NO.1, 2002.
5. Essential Leadership Competencies Needed in Agricultural Occupations as Identified by Agricultural Leaders in District Hyderabad, Sindh. *Journal of Applied Sciences*. V.3. NO.1, 2003.
6. Evaluation of On-Farm Water Management Project Phase-III in Sanghar and Mirpurkhas Districts of Sindh Province of Pakistan. *Pak. J. Agri., Agril. Engg., & Vet. Sc.* 20 (1) 2004.
7. Assessment of the Impact of Farm Advisory Services in Sanghar and Mirpurkhas Districts of Sindh Province of Pakistan. *Pak. J. Agri., Agril. Engg., & Vet. Sc.* 23 (1) 2007.
8. Study of the Farmers' Awareness and Adoption of Integrated Pest Management (IPM) for Cotton in Khairpur (Mirs), Sindh. *Pak. J. Agri., Agril. Engg., & Vet. Sc.* 26 (1) 2010.
9. Farmers' Assessment of the Farm Advisory Services of Public and Private Agricultural extension in Hyderabad District, Sindh. *Pak. J. of Agricultural Research* 24 (1-4) 2011.
10. Farmers' Perception of Agricultural Extension Assistance in Solving Insect Pest and Disease Problems in Cotton in Selected Districts of Sindh. *Baluchistan Journal of Agricultural Sciences*. Vol. 11 (2), 2011.
11. Farmers' Perception of Agricultural Extension Regarding Diffusion of Agricultural Technology. *Pak. J. Agri., Agril. Engg., & Vet. Sci.* V. 28 (1) 2012.
12. Study of the Effectiveness of Farmer Field School for Cotton in Sindh. *Sindh Journal of Agri. Res.* Vol 1 (1), 2012.
13. Impact of Farmer Field School Training on Farmers' Knowledge and Skills Regarding Recommended Agro-Ecological Sound IPM Practices in Selected Districts of Sindh. *Pak. J. Agri., Agril. Engg., & Vet. Sci.* V 28 (2) 2012.
14. An Analysis of Public And Private Agricultural Extension Services in Balochistan, Pakistan. *Pakistan J. Agric. Res.* Vol. 25 No. 4, 2012.
15. Assessment of Technology Transfer Process Perceived by Public and Private Extension Field Staff in Baluchistan, Pakistan. *Pak. J. Agri., Agril. Engg., & Vet. Sci.* V. 30 (1) 2014.

16. Rural Women Role in Agriculture of Pakistan; Contribution and Constraints. *Journal of Business Strategies*; 8 (2) 83, 2014.
17. A Comparative Analysis of Professional Competencies Possessed by Public and Private Agricultural Extension Field Staff in Baluchistan. *Pakistan Journal of Agricultural Sciences*. Vol 52 (3) 2015. Impact Factor (1.049).
18. Linkages Mechanism between Research-Extension-Farmer in Baluchistan: A policy paradigm. *Pak. J. Agri., Agril. Engg., & Vet. Sc.* 33 (1) 2017.
19. Assessing Perceptions of the Households-heads Regarding Food Security Status in Drought-hit Areas of District Tharparkar, Sindh, Pakistan: A Case Study for Agricultural Extension. *Sarhad Journal of Agriculture*, Vol. 36 (4), 2020.
20. An Assessment of Seed Sources for Cultivation of Field and Vegetable Crops in Balochistan, Pakistan. *Sarhad Journal of Agriculture*, Vol. 37 (3), 2021.

### **INTERNATIONAL PUBLICATIONS**

1. Perception of Farmers Regarding the Use of Contact Farmers in Hyderabad District Sindh Pakistan. *Quarterly Journal of International Agriculture*. Vol. 38 (1999), No. 3; DLG-Verlag Frankfurt. .
2. Diffusion and Adoption of Sustainable Agricultural Practices: Study of the Male Annihilation Technique. *Quarterly Journal of International Agriculture*. Vol. 47 (2008), No. 1. DLG-Verlag Frankfurt.
3. Perception of Farmers and Extension and Research Personnel Regarding Use and Effectiveness of Sources of Agricultural Information in Sindh Province of Pakistan. *The Journal of Community Informatics*, Vol. 9 (1) 2013.
4. Historical Overview of Agricultural Extension Services in Pakistan. *The Macrotheme Review*, Vol. 3 (8) Fall 2014.
5. Marketing System and Structure for Agroforestry Products in Sindh, Pakistan. *European Academic Research* Vol. II (7) 2014.
6. Socioeconomic Conditions of Sindh, Pakistan: Case of Kamber Shahdadkot District. *International Journal of Rural Studies* Vol. 22 (1) 2015.
7. Profitability Analysis of Cauliflower Grown in different

seasons at Tando Allahyar district of Sindh, Pakistan. Int. J. Agric. Appl. Sci. Vol.8, No.2, 2016

8. Assessment of National Program for Improvement of Water-Courses for Food Security in Balochistan Province of Pakistan. Indo American Journal of Pharmaceutical Sciences Vol 4 (12) 2017. Impact Factor Journal
9. Farmer's perception regarding constraints faced in adoption of dairy farming practices in Sindh province, Pakistan. Tropical Animal Health and Production, 51(6), 1707-1715 (2019). Impact Factor Journal.
10. Analysis of extension system of Pakistan dairy development company perceived by the field staff. Indo American Journal of Pharmaceutical Sciences Vol. 6 (1) 2019. Impact Factor Journal
11. Exploring the implications for Agricultural Extension Services to Combat the food insecurity in District of Tharparkar Sindh, Pakistan. International journal of Bioscience Vol 17 (5), 2020.

## **CONFERENCE PROCEEDINGS**

### National

1. Groundwater Quality Management at Farmers' Field Through Sustainable Agricultural Practices. National Seminar on "Environmental, Social and Cultural Impact on Water Scarcity in Sindh" January 15 & 16, 2004. University of Sindh, Jamshoro.
2. Rainwater Harvesting Technologies and Their Management in Thar. National Seminar on "Environmental, Social and Cultural Impact on Water Scarcity in Sindh" January 15 & 16, 2004. University of Sindh, Jamshoro.

### International

3. An Assessment of the Use of Contact Farmers in the Training and Visit System of Extension in District Hyderabad Sindh Pakistan. 15th Annual Conference of AIAEE. Trinidad and Tobago. March 1999.
4. Farmers' Perception of the Agricultural Extension District Noushoro Feroze Sindh Pakistan Assistance in Solving Insect Pest and Disease Problems in Cotton. 15th Annual Conference of AIAEE. Trinidad and Tobago. March 1999.
5. Slash and Burn Agriculture in Developing Countries. The Second Annual Interdisciplinary Conference at the University of Southern California. April 1999.

6. Perception of the Farmers' Adoption of Recommended Technology for Rice in Larkana District of Sindh Province of Pakistan. 17th Annual AIAEE Conference; Louisiana, USA. March-April 2001
7. Impact Assessment of the On-Farm Water Management Project in Hyderabad District of Sindh Province, Pakistan. 19th Annual Conference of AIAEE. Raleigh, North Carolina, USA. April 2003.
8. Farmers' Awareness and Adoption of Integrated Pest Management (IPM) for Cotton in Sindh. 24<sup>th</sup> Annual Conference of AIAEE; EARTH University, Costa Rica; March 9-15, 2008.

#### **PUBLISHED ABSTRACT**

9. Farmers' Awareness and Adoption of Integrated Pest Management (IPM) Practices in Cotton. Ist National Conference of Agricultural & Animal Sciences, 23-25 November 2004. Sindh Agriculture University Tandojam.
10. The Role of Non-Governmental Organizations (NGO's) in Poverty Alleviation. Ist National Conference on Agricultural & Animal Sciences, 23-25 November 2004. Sindh Agriculture University Tandojam.
11. Poverty Alleviation through Farmer Field School Approach: An Innovative and Integral Aspect of Farming Community. Ist National Conference on Agricultural & Animal Sciences, 23-25 November 2004. Sindh Agriculture University Tandojam.
12. Poverty Alleviation through Adoption of Sustainable Agricultural Practices: A Case Study of Male Annihilation Technique. Ist National Conference on Agricultural & Animal Sciences, 23-25 November 2004. Sindh Agriculture University Tandojam.
13. Farmers' Assessment of the Farm Advisory Services of Agricultural Extension and Other Allied Agencies in Sanghar and Mirpurkhas Districts of Sindh Province of Pakistan. 2nd National Conference on Agricultural & Animal Sciences, 23-25 November 2005. Sindh Agriculture University Tandojam.
14. Study of the Diffusion and Adoption of Improved Agricultural Practices for Cotton Production in Hyderabad. 2nd National Conference on Agricultural & Animal Sciences, 23-25 November 2005. Sindh Agriculture University Tandojam.

15. Analysis of Public And Private Agricultural Extension Services in Balochistan, Pakistan. International Conference on Emerging Horizons of Agricultural Extension for Sustainable Rural Development. Institute of Agricultural Extension and Rural Development, University of Agriculture, Faisalabad, Pakistan. February 2014.

▪ **Unpublished Work**

- Essential Leadership Competencies Needed in Agricultural Occupations as Identified by Agricultural Leaders in District Hyderabad Sindh Pakistan. M.Sc. Thesis, S. A. U., Tandojam.
- An Assessment of the Use of Contact Farmer in the Training and Visit System of Extension in District Hyderabad Sindh Pakistan. M. A. Thesis, University of Minnesota, USA.
- An Assessment of the Impact of the Minnesota/ Iowa Leadership Empowerment for Agricultural Development (M/I LEAD) Program. Ph.D. Dissertation, University of Minnesota, USA.

**Presentation and Seminars**

**University of Minnesota, Minneapolis/St. Paul, USA.**

• *Lectures Delivered*

- Agricultural Development in Pakistan: The T & V system of Extension (International Seminar on Extension System Throughout the World, University of Minnesota, USA, June 20, 1998)
- Contact Farmers and their Use in the T & V system of Extension. International Seminar on Extension System Throughout the World, University of Minnesota, USA, March 13, 1999).
- Education in Pakistan: A Vision for the Future. (Updating Education in Developing Countries, University of Minnesota, USA., June, 1999).
- Community Education in Pakistan. (Updating Education in Developing Countries, University of Minnesota, USA., June, 1999).
- Future Vision of Extension in Sindh, Pakistan. (Professional Development Seminar Series, University of Minnesota, USA, July to August 1999).
- Technology Transfer to Rural Areas. A Case of Training and Visit Extension in Pakistan and Zimbabwe. (Comparative Education, Fall, 1998.)



- ***Seminars Organized at University of Minnesota***

- Agricultural Extension Around the World
- Methods for Change in Developing Countries
- Leadership for the Common Good

**Development  
Project Proposal**

- Establishment of the Farm Advisory Services Center in Sindh; Approved for Funding by Higher Education Commission, Islamabad, 2015.

**Research Projects  
Completed**

- 1. 2003-2004, Principal Investigator**
  - a. Pakistan Science Foundation Funded Project of National Importance worth of Rs./0.25 Million; Project was successfully completed.
- 2. 2001-2006, Co-Principal Investigator**
  - b. Pakistan Agricultural Research Council Funded Project of National Importance worth of RS. / 0.5 Million; Project was successfully completed.
- 3. 2012-2015, Principal Investigator**
  - c. Pakistan Science Foundation Funded Project of National Importance worth of Rs./1. 8 Million; Project was successfully completed.

**Trainings  
Completed**

- University Advancement-Corporative Social Responsibility (CSR), 30-31 January, 2013. HEC Islamabad.
- International Training Program on “Agricultural Concepts & Technology based on Royal Initiatives for Sustainable Development, November 19-25, 2012. Thailand.
- Resource Mobilization and Fundraising, 21-23 December, 2011. HEC Islamabad.

**Post Graduate  
Students  
Supervision**

- Five PhD Student Produced
- 65 M.Sc Students supervised as a Major Supervisor
- 6 M.Sc Students are enrolled
- 2 PhD Students enrolled and are near to completion of their research

**Professional  
memberships**

- Member-Association of International Agriculture and Extension Education (AIAEE), USA.
- Member-American Association of Agriculture Education (AAAE), USA.
- Member-Graduate and Professional Student Senate of the University of Southern California, USA.
- Member-University of Minnesota Alumni Association, USA.

**Computer Skills**

Microsoft Office (Word, Excel, Power Point, Access), Corel Office (Word Perfect, Corel Presentation, Quarto Pro), Statistical Package (SPSS, Statistix).

**Languages**

English, Sindhi, Urdu. (With Fluency), Arabic (Read Holy Quran)

- Certificate of Completion for the Intensive English Course Conducted by ELS Language Services, St. Paul. Minnesota, USA.
- Certificate of Completion for the English Program for International Students, University of Minnesota, Minneapolis, and St. Paul. USA.