

## CURRICULUM VITAE

### **PERSONAL INFORMATION:**

Name: Prof. Dr. Tehmina Mangan  
Department of Agricultural Economics,  
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Sindh Agriculture University, Tandojam, Pakistan  
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Nationality: Pakistani



### **EDUCATION:**

**PhD.** Agricultural Economics, 2014, research conducted in the Department of Environmental Economics (IVM), Vrije University Amsterdam, Netherlands and Sindh Agriculture University Tandojam, Pakistan. *Thesis title:* Economic valuation of wetland: A case study of Keenjhar Lake in Sindh Province of Pakistan.

**M.Sc. (Agri.) Hons.** Agricultural Economics, 1996, Sindh Agriculture University Tandojam, Pakistan.  
*Thesis title:* Effect of farm mechanization on yield of wheat in district Hyderabad.

**B.Sc.(Agri.) Hons.** Agricultural Economics, 1995, Sindh Agriculture University Tandojam, Pakistan.

### **SERVICE RECORD:**

**Professor :** Department of Agricultural Economics, Faculty of Agricultural Social Sciences, Sindh Agriculture University Tandojam, Pakistan February 16, 2017 to date.

**Associate Professor :** Department of Agricultural Economics, Faculty of Agricultural Social Sciences, Sindh Agriculture University Tandojam, Pakistan October 2015 to February 15, 2017.

**Assistant Professor :** Department of Agricultural Economics, Faculty of Agricultural Social Sciences, Sindh Agriculture University Tandojam, Pakistan July 2008 to September 2015.

**Lecturer :** Department of Agricultural Economics, Faculty of Agricultural Social Sciences, Sindh Agriculture University Tandojam, Pakistan. October 10, 1997 to July 2008.

**Project Officer & Principal investigator.** Australia Pakistan Agriculture Sector Linkages Program 2 (ASLP2) Social Research Project ACIAR-University of Canberra Australia since 2011 to September 2015.

#### **ADMINISTRATIVE EXPERIENCE:**

**Chairperson.** Department of Agricultural Economics, Faculty of Agricultural Social Sciences, Sindh Agriculture University Tandojam, Pakistan, October 2015 to date.

**Incharge Chairperson.** Department of Agricultural Economics, Faculty of Agricultural Social Sciences, Sindh Agriculture University Tandojam, Pakistan, July 2009 to September 2015.

#### **INTERNATIONAL PROJECTS & RESEARCH EXPERIENCE:**

##### **COMPLETED PROJECTS**

- 1. Principal investigator & grantee of Project** grant by South Asian Network for Development and Environmental Economics (SANDEE), Kathmandu, Nepal. Title of Project was “Sustainable livelihoods and tourism: A case study of Keenjhar lake”
- 2. Major Outcomes of Project:**
  - i. The project was awarded to Dr. Tehmina Mangan for period of 2008-2009
  - ii. Presented findings before researchers & policy makers in **dissemination workshop** at SAU Tandojam
  - iii. Presented research paper in 2014 in conference of Pakistan Institute of Development Economics (PIDE) at Islamabad.
  - iv. Research Paper is published in “**Pakistan Development Review**”, Islamabad Vol.54,2015 under the title of “Impact of Nature-based Tourism on Local Livelihoods: Evidence from Keenjhar Lake in Pakistan”

- 2. Principal investigator of Social Research Project** of Australia Pakistan Agriculture Sector Linkages Program (ASLP2) Funded by ACIAR- Australian Government. Conducted research in collaboration of University of Canberra,

Australia for duration of July 2011 to July 2015

**Major outcomes:**

1. Using Action Research Method & Involving Whole Family Approach established various successful research models of rural development of Sindh province of Pakistan:
  - i. Community Service Center (CSC)
  - ii. Female Entrepreneurship Center (FEC)Models were developed in two districts of Sindh Province of Pakistan.
3. Capacity building trainings of male, female and youth of research sites conducted
4. For dissemination of research results with policy makers, researchers and academicians and civil society various seminars & workshops were organized in research sites of project.
3. Leading newspapers including DAWN and local language newspapers published news of research conducted under the project.
4. Different articles written by Dr. Tehmina Mangan in leading newspapers including DAWN:
  - i. Entrepreneurship extension services for rural females
  - ii. Mobile Phone Agriculture Extension Services Models

**3. Principal investigator of the project** “Cost benefit analysis of adaptation of disease management at SMGE farms in Sindh province of Pakistan” (duration: January 2014 to September 2015) funded by ACIAR- Australian Government. Conducted research in collaboration of University of Queensland, Australia  
**Major outcomes:** Analysis data & report submitted

**4. Principal investigator of the project** “Preparation and marketing of mango products by women of Hot Khan Laghari and catchment area” (duration: January 2014 to September 2015) funded by ACIAR- Australian Government, conducted research in collaboration of University of Queensland, Australia

**Major outcomes:** Under this project Dr. Tahmina Mangan organized various trainings of focal villages females regarding mango value added products and other income generating activities for females & linked those activities with Female Entrepreneurship Centers (FEC) and Community Service Centers (CSC) of focal

villages in order to see impact of those trainings on women empowerment in rural areas.

**Dissemination workshops:** Disseminated outcomes to policy makers & researchers by involving the local community of the research sites of project areas in Mirpurkhas Sindh

**5. Principal investigator of the project** “Economic assessment of rural women’s participation in processing and marketing of mango value added products in Hot Khan Laghari, Sindh” (duration: January 2014 to September 2015) funded by ACIAR- Australian Government, conducted research in collaboration of University of Queensland, Australia

**Major outcomes:** Analysis data & report submitted

**Dissemination workshops:** Disseminated outcomes to policy makers & researchers at the research sites of project areas

#### ONGOING PROJECTS

**6. Principal investigator of the project** “Improving groundwater management to enhance agriculture and farming livelihoods in Pakistan” funded by ACIAR- Australian Government, conducted research in collaboration of University of Charles Sturt University Australia. Started from 2015 & Status: ongoing

**7. Principal investigator of the project** “Policy and Institutional reforms to improve horticultural markets in Pakistan” funded by ACIAR- Australian Government, conducted research in collaboration of Monash University, Australia. Started from 2015 & Status: ongoing

#### AWARDS/MEDALS:

- Star Girls & Women International Award 1996 for the field of Education. (Awarded by Star Girls and Women Organization, Karachi Pakistan).
- Star Girls & Women International Award 1998 for the field of Agriculture. (Awarded by Star Girls and Women Organization, Karachi Pakistan).

## **RESEARCH FELLOWSHIPS AWARDED**

- Research Fellowship awarded by the EAWAG: Swiss Federal Institute of Aquatic Science and Technology, Switzerland **September 2012 to December 2012**
- Research Fellowship awarded by the Higher Education Commission of Pakistan from October 2010 to March 2011

## **NATIONAL & INTERNATIONAL COLLABORATION:**

1. South Asian Network for Environmental Development (SANDEE)
2. Swiss Federal Institute of Aquatic Science and Technology (EAWAG), Switzerland
3. Vrije University Amsterdam, Holland
4. Canberra University, Australia
5. University of Melbourne, Australia
6. Charles Sturt University Australia
7. University of Queensland Australia
8. Ahi Ervan University Turkey
9. Sindh Technical education and Vocational Training Authority

## **INTERNATIONAL EXAMINER OF PHD:**

- Examiner of a PhD thesis of Mr. Hammad Baddar, Scholar of University of Queensland, Australia. Supervised by Professor Ray Collins in Year 2015.

## **NATIONAL EXAMINER OF PHD:**

- Examiner of a PhD thesis of Mr. Mumtaz Ali Joyo Scholar of University of Sindh, supervised by Dr. Professor Nanik Ram Year 2016.

## **SUPERVISOR OF M.SC STUDENTS:**

- Supervised one PhD student and supervise 30 M.Sc. students of the department of Agricultural economics in their research work.

## **MEMBERSHIP:**

- **Member.** Academic Board of University of Sindh Jamshoro Pakistan.
- **Member.** South Asian Network for Development and Environmental Economics (SANDEE), Nepal.
- **Member.** Global Forum on Food Security and Nutrition • FSN Forum

- **Member.** Working group of State Bank of Pakistan Hyderabad for Agriculture, for 2011 to 2013.
- **Honorary member** of advisory board of Society for Environment and Agriculture Development (SEAD), Sindh Province of Pakistan since 2013 to date.
- **Member.** Member of the Departmental Board of Studies, Sindh Agriculture University Tandojam, 1999 to date
- **Member.** Member of the Faculty Board of Studies, Sindh Agriculture University Tandojam, 1999 to date.

### **KEY INTERNATIONAL TRAININGS / WORKSHOPS / COURSES / SEMINARS, SYMPOSIUMS ATTENDED:**

- Participated in Progress Review Workshop of Policy and Institutional Reforms to Improve Horticultural Markets in Pakistan, ACIAR Project 2014/043, Draft Programme-, 7-8 August 2017, Avari Hotel, Lahore, Pakistan
- Participated in Policy and Institutional Reforms to Improve Horticultural Markets in Pakistan Melbourne Workshop – March 2018
- Attended International Conference on Sustainable Agriculture in Pakistan held on November 17 – 19, 2016 and presented “Distance Learning and Female Agriculture & Livestock Entrepreneurship Extension Services” paper on November 2016 organized by U.S.-Pakistan Center for Advanced Studies in Agriculture and Food Security , University of Agriculture Faisalabad.
- Attended two days workshop (18-19 January 2016) Running Effective Workshop Organized by USAID, CIMMYT, Agricultural Innovation Program (AIP) Pakistan in Islamabad.
- Attended two days (June 18 & 19, 2015) symposium & review meeting of ASLP2 Social Research Project in University of Canberra and presented research work done in Sindh Pakistan on “Learning Outcomes of the Social Research Project in Rural Pakistan. Organized by ASLP2 Social Research Project.
- “Workshop on Research Communication” (February 10-12, 2015) at Dhulikhel Mountain Resort, Kavre, Nepal. Organized by South Asian Network for development and Environmental Economics (SANDEE), Nepal.

- Course on “Cost Benefit Analysis” (6<sup>th</sup> -8<sup>th</sup> Dec - 10th December 2013) at Gokarna Forest Resort, Kathmandu, Nepal. Organized by: South Asian Network for development and Environmental Economics (SANDEE), Nepal.
- “Intensive Communications Skills Training workshop” (September 28 to October 2, 2013) at Bhurban, Islamabad. Organized by Australian Centre for International Agricultural Research (ACIAR), through the Agricultural Sector Linkages Program 2 (ASLP2).
- Workshop on “Australia Pakistan Agriculture Sector Linkages”, organized by Agriculture Sector Linkages Program (ASLP-2) Social Research Project in Canberra Australia (April 23 to May 03-2012) and presented research work.
- IHDP (International Human Dimensions Program) Training Workshop “Asian Development Pathways in the context of transitions towards *Green Economy*” (17-21 October 2011) at Nanjing China. Organized by: United Nations University Bonn Germany.
- 21<sup>st</sup> Biannual Research and Training Workshop (8th Dec - 10th Dec 2010) at Godavari Village Resort, Nepal. Organized by: South Asian Network for development and Environmental Economics (SANDEE), Nepal.
- Research And Training Workshop (7<sup>th</sup> – 10<sup>th</sup> July 2010) in Sri Lanka. Organized by South Asian Network for development and Environmental Economics (SANDEE).
- 18<sup>th</sup> Biannual Research and Training Workshop (June 28-July 3, 2009) at Negombo, Sri Lanka. Organized by: South Asian Network for development and Environmental Economics (SANDEE).
- The Science, Economics and Institutions of Managing and Paying for Ecosystem Services (April 21-30, 2009) at Chiang Mai, Thailand. Organized by: EEPSEA, SANDEE and World Agro forestry Centre.
- POLICYSEMINAR. Banking on Mangroves: A Case for Investing in Coastal Ecosystems Karachi, Pakistan, Organized jointly by the International Union for Conservation of Nature (IUCN) Pakistan and the South Asian Network for Development and Environmental Economics (SANDEE) in Karachi Pakistan, from 27th-29th November 2008.
- 16<sup>th</sup> Biannual Research and Training Workshop and Program Evaluation for Environment and Resource Economists (June 30- July 4, 2008, Organized by the South Asian Network for Development and Environmental Economics (SANDEE) at AIT Conference Centre, Pathumthani, Thailand.
- Fundamentals in basic econometrics, Theory and Applications in Environmental Economics, Use of STATA (February 18th - 5th March 2008)

at Dhulikhel, Nepal. Organized by the South Asian Network for Development and Environmental Economics (SANDEE).

- CLIMATE SCIENCE AND POLICY WORKSHOP, Organized by the South Asian Network for Development and Environmental Economics (SANDEE) at AIT Conference Centre, Pathumthani, Thailand from January 12-13, 2008.
- 15TH BIENNIAL RESEARCH AND TRAINING WORKSHOP, Organized by the South Asian Network for Development and Environmental Economics (SANDEE) at AIT Conference Centre, Pathumthani, Thailand, from January 8-11, 2008.
- Environmental economics and policy, Research and Writing Workshop, (September 6-10, 2007) at BCDM, Rajendrapur, Bangladesh. Organized by the South Asian Network for Development and Environmental Economics (SANDEE).
- An introductory course on environmental and natural resource economics, (30<sup>th</sup> April – 17<sup>th</sup> May, 2007) at AITCC, Pathumthani, Thailand. Organized by the South Asian Network for Development and Environmental Economics (SANDEE).
- Participated in Planning Workshop held on 12-13 October 2015 in Islamabad organized under the project of ACIAR under the project Policy and Institutional Reforms to Improve Horticultural Markets in Pakistan

#### **KEY RESEARCH EVENTS ORGANIZED AND FACILITATED:**

- As main organizer organized **International Conference on Social Sciences and Information Communication Technologies (ICSSICT-2018)** – February 20-21, 2018 at Sindh Agriculture University Tandojam, Pakistan. <https://sau.edu.pk/ssitccconf.php>, <https://nation.com.pk/21-Feb-2018/speakers-for-introducing-new-trends-in-agriculture?show=850>
- Conducted Organized as a team member Six Day **Rural Youth Camp of ASLP2 Social Research Project** in Islamabad from 15<sup>th</sup> -20<sup>th</sup> March 2015.
- Conducted and facilitated a one day ‘**Social Research Festival**’ in ASLP2 Social Research Project Community Service Center (CSC) Hot Khan Laghari (7<sup>th</sup> May 2014). Organized under ASLP2 Social Research Project, ACIAR-University of Canberra & Sindh Agriculture University Tandojam.
- Conducted and facilitated a seminar on ‘**Linking Social Research with Science to Strengthen Agricultural Value Chains**’ (Key speaker: Dr. John Spriggs, Professor, Australian Institute for Sustainable Communities, University of Canberra, Australia). Seminar held on September 4, 2013 in Sindh Agriculture University Tandojam



- Organized **Agri-Econ Fun Fair** March 19, 2019 at the Department of Agricultural Economics, Sindh Agriculture University, Tandojam

## **PUBLICATIONS:**

1. John Spriggs, Barbara Chambers, Sandra Heany Mustafa, **Tehmina Mangan** (2017) Women's empowerment and economic collaboration in rural Pakistan. Journal of Gender, Agriculture and Food Security. <http://agrigender.net/uploads/JGAFS222017-4-Paper.pdf>
2. **Tahmina Mangan**, Roy Brouwer, Heman Das Lohano, Ghulam Mustafa Nangraj (2013) Estimation of recreational value of Pakistan's largest fresh water lake using travel cost model. Journal of Sustainable Tourism. Vol.21. (HEC recognized, impact factor, "W" category Journal of UK).
3. **Tehmina Mangan**, Heman Das Lohano Impact of Nature-based Tourism on Local Livelihoods: Evidence from Keenjhar Lake in Pakistan (2015) Pakistan Development Review, Islamabad. Vol. 54. (HEC recognized, impact factor, "X" category Journal).
4. **Tehmina Mangan**, Humayun, U., Buriro, M., Suthar, V.R., Buriro, R. A., Shaikh, M. A. (2015) Impact of Fish Marketing on income of Fishermen and other selected market intermediaries at Keenjhar Lake in Sindh Province of Pakistan. International Journal of Agriculture and Applied Sciences, Vol 7.
5. Riaz Ali Buriro, Aijaz Ali Khooharo, Ghulam Hyder Talpur, Munir Ahmed Mangrio, and **Tahmina Mangan** (2015) Technical efficiency of rice production Sindh, (Pakistan): A statistical analysis. Science International Lahore . Vol.27 (HEC recognized "Y" category Journal)
6. **Tehmina Mangan**, Abdul Shakoor Jamro, Mehar ul Nissa Rais, Muhammad Ismail Kumbhar, Abdul Ghafoor Kalwar (2015) Profit earned by date palm farmers and contractors in district Khairpur, Sindh, Pakistan. Science International Lahore. Vol.28 (HEC recognized "Y" category Journal).
7. **Tehmina Mangan**, Naimat Laghari, Riaz Ali Buriro, Jam Ghulam Murtaza Sahito (2016) Economic Evaluation of costs and revenue of establishing Banana orchard in District Mirpurkhas, Sindh, Pakistan. New Horizons, Vol.10 (HEC recognized "Z" category Journal)
8. Ghulam Mustafa Nangraj, **Tehmina Mangan**, Mehar ul Nissa Rais, Shahid Hussain Laghari, Abdul Ghafoor Kalwar (2016) Consumption of Gutka by females and its health impacts: a case study of district Hyderabad. Science International Lahore. Vol. 28. (HEC recognized "Y" category Journal)

9. Govinda Goswami, **Tehmina Mangan**, Mehar ul Nissa Rais, and Jazib Hussain Rais (2016) Comparison of Profit earned by Mango farmers from local, provincial and international markets in Sindh Province of Pakistan. Science International Lahore, Vol. 28. (**HEC recognized “Y” category Journal**).
10. Ghulam Nafay Shah, **Tehmina Mangan**, Ali Raza Shah, Mehar Ul Nissa Rais, and Velo Ram Suthar (2016) Causes of conversion of agricultural land into urban residential areas in district Hyderabad, Sindh. Science International Lahore, Vol. 28. (**HEC recognized “Y” category Journal**)
11. Mehar ul Nissa Rais, **Tehmina Mangan**, Muhammad Ismail Kumbhar, Altaf Hussain, Jam Ghulam Murtaza Sahito (2016) Impact of microfinance on income of small farmers in district Dadu, Sindh. Science International Lahore (**HEC recognized “Y” category Journal**)
12. Mehar ul Nissa Rais, **Tehmina Mangan**, Jam Ghulam Murtaza Sahito, Jazib Hussain Rais, and Nazia Rais (2016) Constraints in adoption of integrated pest management strategies against mango mealy bug *Drosicha Mangiferae* (green) in Taluka Hyderabad (Rural). Science International Lahore Vol:28. (**HEC recognized “Y” category Journal**)
13. Naimat. Leghari, Q. Zehri, Ali Raza Shah, Riaz Ahmed Leghari, **Tahmina Mangan** (2016) Comparison of shallow and deep tillage practices at different soil moisture content levels under climatic conditions of Sindh. Science International Lahore Vol:28. (**HEC recognized “Y” category Journal**)
14. **Tahmina Mangan**, Ghulam Mustafa Nangraj, Naimat Laghari, Ali Raza Shah, Najeeb Ahmed Nangraj (2016) Level of awareness and willingness to pay for organic vegetables in Sindh Province of Pakistan. Science International Lahore. Vol: 28. (**HEC recognized “Y” category Journal**)
15. **Tehmina Mangan**, Ghulam Mustafa Nangraj, Naimat Laghari, Aijaz Ali Khooharo, Riaz Ali Buriro, Mahmooda Buriro (2016) Use of underground water and its impact on agriculture of Sindh. Pakistan Journal of Social Sciences Vol: 36. (**HEC recognized “Y” category Journal**)
16. Mustafa Nangraj, **Tehmina Mangan**, Naimat Laghari, Faizan Nizamani (2016) Various sources of irrigation and impact on yield of wheat: A case study of Hyderabad District in Sindh Province of Pakistan. Sindh University Research Journal Vol. 48 (**HEC recognized “X” category Journal**).
17. **Tahmina Mangan**, Ghulam Mustafa Nangraj , Naimat Laghari , and Ghulam Murtaza Sahito (2016) Determinants of a consumption of Gutka by males, a

poison for human health: Case study of district Hyderabad. Sindh University Research Journal (**HEC recognized “X” category Journal**) Accepted for year 2016.

18. G.M. Nangraj, T. Mangan, N. Laghari, F. Nizamani (2016) various sources of irrigation and impacts on yield of wheat: A case study of Hyderabad district in Sindh Province of Pakistan. Sindh University Research Journal. Vol.48 (**HEC recognized “X” category Journal**)
19. Velo Suthar, Muhammad Ali Shaikh and **Tahmina Mangan (2016)** Study of some factors influencing the Poverty in Tharparkar district of Sindh Pakistan. Pakistan Journal of Agriculture, Agricultural Engineering and Veterinary Sciences (**HEC recognized “Y” category Journal**). Vol. 32, No. 2- Year 2016
20. **Tahmina Mangan**, Shahid Hussain, Mustafa Nangraj (2015) Water Conservation by Laser Land Leveling in District Mirpurkhas, Sindh, Pakistan. European Academic Research, Vol. 3.
21. Muhammad Ali Shaikh, **Tahmina Mangan**, Zohaib Hassan, Mustafa Nangraj (2015), Impact of Agriculture Bank Loan on Adaptation of Modern Technologies by Farmers Kashmore, Sindh. European Academic Research. Vol. 3, 2015.
22. **Tahmina Mangan**, Abdul Ghani Soomro, Assadullah Jamro, Muhammad Ali Shaikh, Mustafa Nangraj (2015). Socio-Economic Status of People Living in Slums of Kotdiji, District Khairpur Mirs, Sind. European Academic Research, Vol. 3, 2015.
23. Mahmooda Buriro, Avinash Oadd, **Tehmina Nangraj** (2014) Maize Fodder Yield and Nitrogen Uptake as Influenced by Farm Yard Manure and Nitrogen Rates. European Academic Research, Vol. 3, 2014.
24. Shoaib Ahmed, **Tahmina Mangan**, Quratul Ain Memon, Q. (2015). Performance of Hybrid and Conventional Rice Varieties in Sindh, Pakistan. Journal of Economics and Sustainable Development, Vol.6, No.3.
25. Abid Randhawa, **Tahmina Mangan**, Mehar ul Nisa Rais (2015) Constraints in Adoption of Biological Control in Sugarcane Crop. Journal of Biology, Agriculture and Healthcare Vol.5.
26. **Tahmina Mangan**, Mehar ul Nisa Rais, Ghulam Mustafa Nangraj, Muhammad Ali Shaikh (2015). Comparison of marketing margins earned by

contractors and farmers from sale of mango crop in Mirpurkhas district, Sindh. European Academic Research.

27. Muhammad Ali Shaikh, **Tahmina Mangan**, Muneer Ahmed, Mahmooda Buriro, Ghulam Mustafa Nangraj, Shoaib Ahmed (2015) Economic and Social Causes of Child Labor in District Quetta, Balochistan. European Academic Research, Vol. 3.
28. **Tahmina Mangan**, Muhammad Ali Shaikh, Shoaib Tahir Arain, Velo Suthar, Mahmuda Buriro, M. (2015). Scio-Economic Impacts of Drug Addiction in District Umerkot, Sindh Province of Pakistan. European Academic Research, Vol. 3.
29. **Tahmina Mangan**, Fateh Muhammad Mari, Ghulam Mustafa Nangraj. 2005. Socio-Economic Assessment of Rural Women in Mahal Kohistan Area of Sindh Pakistan. Indus Journal of Biological Sciences, 2(1) PP 173-182.
30. Mari, F.M., **Tahmina Mangan**, and A.M.Khushk.2005. Analysis of Contracting System of Vegetable Supply Chain in Sindh Province of Pakistan. Indus Journal of Biological Sciences, 2(1) PP 183-190.
31. Fateh Muhammad Mari, **Tahmina Mangan**, and Fateh Muhammad Soomro. 2005. Economics of Livestock Farming Systems by Pastoralists in Nara Desert of Sindh – Pakistan. Indus Journal of Biological Sciences, 2(1) PP 131-136.
32. Resource Allocation and Productivity under Mechanized Farming in Hyderabad Area. (Thesis)

#### **BOOKS:**

1. Tehmina Mangan and Mustafa Nangraj (2014) Threatened Water resources of Sindh: A Case Study of Keenjhar Lake.
2. Tehmina Mangan, (2015) Social Research & Sustainable Agriculture, Published by ASLP Social Research Project