



## Curriculum Vitae

# Akhtar Hussain Shar

### Address:

**Assistant Professor at Department of Molecular Biology & Genetics, Faculty of Science and Technology, Shaheed Benazir Bhutto University, Shaheed Benazirabad, Province: Sindh Pakistan**

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### Summary:

Dr. Akhtar Hussain Shar is an Agriculturist with specialization of Bioinformatics, being an agriculturist, I have a good experience in social development sector of Pakistan and he has rural as well as urban backgrounds that can support to him understand the rural & urban social issues in depth. I successfully completed my master's degree from Sindh Agriculture University Tandojam in 2014. I join many excellent reputed organization.

### PERSONAL INFORMATION:

Father's Name:	Ali Akbar
Date of birth:	01-01-1987
N.I.C No:	45206-4344712-5
Nationality:	PAKISTANI
Marital Status:	Married
Domicile:	Khairpur (mirs)
Passport No:	TB6897122
Chines Visa No:	0657395

### **Qualification:**

- Ph.D. in Bioinformatics from Northwest Agriculture & Forestry University 1<sup>st</sup> class, 2018
- M. Sc Agri (Hons), Biotechnology 2<sup>nd</sup> Class, 2014
- Graduation B. Sc Agri (Hons), Biotechnology 1<sup>st</sup> Class, 2010
- Intermediate Pre-Medical, “B” Grade 1<sup>st</sup> Division, 2005
- Matriculation Science, “B” Grade 1<sup>st</sup> Division, 2003
- **M. Sc Research Project:**
- Regeneration of Potato Plantlets through Shoot Tip Culture

**Ph.D. Research Areas:**

1. Bioinformatics and computational biology
2. Uses Ginseng herb on Anti-nose cancer disease
3. Systems Pharmacology

**I have passed Chinese Language examination HSK-4 285/300 in 2015**

**Publications:**

1. Muhammad Saleem Kubar, **Akhtar Hussain Shar**, Kashif Ali Kubar, Nadir Ali Rind, Hidayat Ullah, Shahmir Ali Kalhoro, Chao Wang, Meichen Feng, Asadullah Gujar, Hui Sun, Wude Yang. Optimizing nitrogen supply promotes biomass, physiological characteristics and yield components of soybean (*Glycine max L. Merr.*). **Accepted**. *Saudi Journal of Biological Sciences*. **IF:3:2**.
2. Farheen Shaikh, Tazeen shah, Shafaq Ansari, Sanum Ali, Mahammad Saleh Khaskhali, Muhammad Rafiq, Nadir Ali Rind, Khalid Hussain Rind. **Akhtar Hussain Shar**. Frequency distribution and association of Fat-mass and obesity (FTO) gene SNP rs-9939609 variant with Diabetes Mellitus Type-II Population of Hyderabad, Sindh, Pakistan” **Accepted**. *Saudi Journal of Biological Sciences*. **IF:3:2**
3. Abdul Ghaffar Shar, Jiao Ya Peng, Xiaohong Tian, Tanveer Ahmed Siyal, **Akhtar Hussain Shar**, Jiang Yuhan, Rahul Datta, Kamel Hessini. Contrasting effects of maize residue, coal gas residue and their biochars on nutrient mineralization, enzyme activities and CO<sub>2</sub> emissions in sandy loess soil. *Saudi Journal of Biological Sciences*. **IF:3:2**
4. **Akhtar Hussain Shar**, Hany M. El-Wahsh, Mohamed Shahan, Zihu Guo, Piar Ali Shar, Hidayat Ullah, Nadir Ali Rind, Khalid Hussain Rind, Ismail M. Al-Sharkawi, Yonghua Wang. Treatment of coronary heart disease and angina pectoris through the systems pharmacology investigation level in the mechanisms of tcm with the guanxin shutong capsule formula. *International*

5. Piar Ali Shar, **Akhtar Hussain Shar**, Shabana Memon, Ayaz Ali Soomro, Saleem Ahmed Naich, Nadir Ali Rind, Asadullah Laghari, Khalid Hussain Rind, Parkash Meghwar, Sohail Ahmed Otho. Morpho-physiological responses in wheat (*Triticum aestivum* L) influenced by normal and water stress conditions. [Doi.org/10.11594/jaab.02.01.01](https://doi.org/10.11594/jaab.02.01.01) *Journal of Agriculture and Applied Biology*.
6. Muhammad Mithal Rind, Samy Sayed, Hakim Ali Sahito, Khalid Hussain Rind, Nadir Ali Rind, **Akhtar Hussain Shar**, Hidayat Ullah, Peter Ondrisik, Jana Ivanic Porhajsova, Zihu GUO, Mohamed Shahen. Effects of seasonal variation on the Biology and Morphology of the dusky cotton bug, *Oxcarenus laetus* (Kirby). DOI: <https://doi.org/10.1016/j.sjbs.2021.03.065> Reference: SJBS 2361. **IF:3:2.** *Saudi Journal of Biological Sciences*.
7. Francesco Fazio, Syed Sikandar Habib, Saira Naz, Francesco Filiciotto, Nicola Cicero, Hameed Ur Rehman, Shagufta Saddozai, Khalid Hussain Rind, Nadir Ali Rind & **Akhtar Hussain Shar**. Effect of fortified feed with olive leaves extract on the haematological and biochemical parameters of *Oreochromis niloticus* (Nile tilapia). **IF:2:8.** *Natural Product Research*.
8. Piar Ali Shar, Jay Kumar Sootaher, Zahoor Ahmed Soomro, Tanweer Fatah Abro, **Akhtar Hussain Shar**, Muhammad Saleem Chang, Ayaz Ali Soomro, Nadir Ali Rind, Khalid Hussain Rind. Interrelationship for yield and yield associated traits in mustard (*Brassica juncea* L.). *Pure and Applied Biology*
9. Zhiming Shu, Tiantian Wu, Mohamed Shahen, Zihu Guo<sup>1</sup>, Jia Shu, He Wang, **Akhtar Hussain Shar**, Mayada R. Farag, Mahmoud Alagawany, Mohamed E. Abd El-Hack and Chaobin Liu\*. System-Pharmacology Dissection of Traditional Chinese Herbs SINI Decoction for Treatment of Cardiovascular Diseases. (2019)91(3): E20180424 (Annals of the Brazilian Academy of Sciences) Printed Version Issn 0001-3765 / Online Version Issn 1678-2690. *Anais Da Academia Brasileira De Ciências* **If. 0.84.**
10. Shahmir Ali Kalhoro, King Deing, Beiyong, Wenyan Chen, Rui Hua, **Akhtar Hussain Shar**, Xueyuan Xu. Soil Infiltration Rate of Forestland and Grassland over Different Vegetation Restoration Periods at Loess Plateau in Northern Hilly Areas of China: *Landscape and Ecological Engineering*. ([10.1007/S11355-018-0363-0](https://doi.org/10.1007/S11355-018-0363-0)) **If: 1.9**
11. Mohamed Shahen, **Akhtar Hussain Shar**, Yonghua Wang. Systems Biology of miRNAs and RNAi in Dengue Fever: Diagnosis and Treatment. **Online. If: 0.237**
12. **Akhtar Hussain Shar**, Mohamed Shahen, Liujingjing, Piar Ali Shar, Shenfengxia and Yonghua Wang. The Systemic Pharmacological Investigation Level in the Mechanisms of Chinese Traditional Medicine

(Tcm) through the Guanxin Shutong Capsule Formula for Treatment of Coronary Heart Disease and Angina Pectoris. *International Journal of Pharmacology*.

13. Shafqat Hussain Memon, **Akhtar Hussain Shar**, Fahad Ali Kalhoro, Shahmir Ali Kalhoro, Muneer Ahmed Dahyo, Abdul Ghaffar Shar, Azhar Husain Shar. Effect of Sowing Rates and Nitrogen Levels on the Growth and Yield of Wheat (*Triticum Aestivum* L.). *American Journal of Biology and Life Sciences*.
14. Muhammad Asif Arain, Z Mei, F.U. Hassan, Muhammad Saeed, M Alagawany **Akhtar Hussain Shar** and Imran Ali Rajput. Lycopene: A Natural Antioxidant for Prevention of Heat-Induced Oxidative Stress in Poultry. *World's Poultry Science Journal*. **If: 1.9**.
15. Nizad Ali Ujjan, Muhammad Ibrahim Keerio, **Akhtar Hussain Shar**, Fahad Ali Kalhoro, Shahmir Ali Kalhoro, Muneer Ahmed, Abdul Ghaffar Shar. The Effect of NaCl Priming on Salt Tolerance in Sunflower Seeding Grown Under Saline Conditions. *American Journal of Biology and Life Sciences*.
16. Muhammad Shahen, **Akhtar Hussain Shar**, Piar Ali Shar and Yonghua Wang. The Pharmacological Uses of Ginkgo Biloba Leave Extracts for Treating Cardiovascular and Coronary Heart Diseases: *Journal of Biomedicine & Pharmacotherapy*. **If: 0.7**
17. Zhiming Shu, He Wang, Zihu Guo, Jia Shu, Tiantian Wu, Mohamed Shahen, **Akhtar Hussain Shar**, Xiaoyu Bian, Chaobin Liu. Clarifying the Mechanism of Sinisan Formula for Treatment of Chronic Hepatitis by Systems Pharmacology Method. *Biomedicine & pharmacotherapy*. **If: 2.76**.
18. Piar Ali Shar, Jay Kumar Sootaher, Zahoor Ahmed Soomro, Tanwaeer Fatah Abro, **Akhtar Hussain Shar**, Nadir Ali Rind, Ayaz Ali Soomro, Muhammad Saleem Chang and Khalid Hussain Rind. International relationship for yield and associated traits in mustard (*Brassica juncea* L.). **Online:** *Journal of Biological Sciences*.
19. **Akhtar Hussain Shar**, Mohamed Shahen, Jingjing Liu, Fengxia Shen and Yonghua Wang. Herbal Traditional Medicines Ginseng (*Panax Quinquennium* L.) Effects on Anti-Nose Cancer and Anti-Toxin in Systematic Pharmacology Treatment Mechanism for Nose Cancer: A Review. *International Journal of Pharmacology*. **If: 0.76**
20. Li Chang Xing, Dhanasikar Santhi, Abdul Ghaffar Shar, Muhammad Saeed, Muhammad Asif Arain, **Akhtar Hussain Shar**, Zohaib Ahmed Bhutto, Mohib Ullah Kakar, Robina Manzoor, Mohamed E. Abd El-Hack, Mahmoud Alagawany, Kuldeep Dhama and Mo Chen Ling. Psyllium Husk (*Plantago Ovata*) As A Potent Hypocholesterolaemia Agent in Animal, Human and Poultry. *International Journal of Pharmacology*. **If: 0.76**.
21. Muhammad Saeed, D. Babazadeh, Muhammad Arif, Muhammad Asif Arain, Z.A. Bhutto, **Akhtar Hussain Shar** Muhabuallah Kakar, R. Manzoor and

- Sun Chao. Silymarin: A Potent Hepatoprotective Agent in Poultry Industry. *World's Poultry Science Journal If: 1.9*.
22. Mohamed Shahren†, Zihu Guo, **Akhtar Hussain Shar†**, Reham Ebaid, Qin Tao, Wenjuan Zhang, Ziyin Wu, Yaofei Bai, Yingxue Fu, Chunli Zheng, He Wang, Piar Ali Shar, Jianling Liu, Zhenzhong Wang, Wei Xiao and Yonghua Wang. Dengue Virus Causes Changes of MicroRNA-Genes Regulatory Network Revealing Potential Targets For Antiviral Drugs. *BMC Systems Biology If: 2.33*.
23. **Akhtar Hussain Shar**, Muharam Ali Qambrani, Piar Ali Shar, Shabana Memon, Abdul Ghaffar Shar, Jingjing Liu, Fengxia Shen, Shahmir Ali Kalhoro, Shah Nawaz Marri, Mohamed Shahren. Regeneration of Potato Plantlets through Shoot Tip Culture Comparison between Ga3 and Bap. *American Journal of Biology and Life Sciences*.
24. Hafiz Muhammad Zakria, Muhammad Saeed, Arain M. A, Soomro R. N, Liu Zhenjiang, Sayed Haider Abbas Raza, Muhammad Adeel Hassan, Abbasi I. H. R, Faraz S. S, **Akhtar Hussain Shar**. Study the Production Status of Small and Medium Dairy Farmers, Constraints and their Remedies in Okra. *International Journal of Innovative and Applied Research*.
25. Sayed Haider Abbas Raza, Muhammad Saeed, Sun Chao, Soomro R. N, Arain M. A, Abbasi I. H. R, Liu Zhen Jiang, Hafiz Muhammad Zakria, **Akhtar Hussain Shar**. Ultra-Sonographic Biometry of the Ovaries of Pregnant Buffaloes. *Journal of Agriculture and Veterinary Science (Doi: 10.9790/2380-081026267)*.
26. Mohammad Faheem Qaimkhani, Sayed Haider Abbas Raza, Muhammad Saeed, Sun Chao, Zanlinsen, jin wei, Arain M. A, Hafiz Muhammad Zakria, Soomro R, Mengyu dong, **Akhtar Hussain Shar**. Study the Management Patterns of Urban Dairy Farms around Karachi City. *Journal of Agriculture and Veterinary Sciences*
27. Piar Ali Shar, Shabana Memon Bohui Li, Weiyang Tao, **Akhtar Hussain Shar**. Dynamic Effect of Water Stress on Yield and Its Associated Traits in Bread Wheat. *Pakistan Journal of Agricultural Science*.
28. Shabana Memon, Piar Ali Shar, Abdul Ghaffar Shar, Sadaf Memon, Saima Memon, Mohammad Ali Memon and **Akhtar Hussain Shar**. Biometrical Analysis of Some Quantitative (Gossypium Hirsutum) *International Journal of Science Environment*.
29. Piar Ali Shar, Shabana Memon, **Akhtar Hussain Shar**, Abdul Ghaffar Shar and Sadaf Memon. Effect of Different Irrigations on Yield and Its Associated Traits in Wheat (Triticum Aestivum L.) *International Journal of Science Environment*.
30. Shabana Memon, Piar Ali Shar, Sadaf Memon, **Akhtar Hussain Shar**, and Abdul Ghaffar Shar 2014. Water Stress Tolerance in Relation To Yield and

**Major Courses:**

1. Advanced in bioinformatics
2. Writing Scientifics papers in English
3. Advances in life science
4. Progress in Bioinformatics researches

**Chines Courses:**

1. Listening
2. Writing
3. Reading
4. Chines culture

**Experience:**

1. Five months experience in SRSO as a Survey Supervisor @ Thul.
2. Internship in tissue Culture at PCSIR Laboratory @ Karachi
3. One year experience in Mehran Sugar Mill as a Farm incharge @ Tando Allahyar.
4. Six months experience in OMNI group @ Badeen

**Seminars / Workshops:**

1. One-day Irrigation Reforms in Sindh at Sindh Agriculture University Tandojam, 14-July-2012
2. One-day biodiversity for food security at Sindh Agriculture University Tandojam, 09-July-2010
3. One-day Launching Ceremony of Youth Social Enterprises at Sindh Agriculture University Tandojam, 28-Feb-2012
4. Appreciation Certificate of Farmers Festival National Conference on Agriculture and Livestock 4-5 March 2013 in Collaboration with Sindh Agriculture University Tandojam and State Bank of Pakistan

**Communication Skills:**

**Interpersonal:**

- Adaptable attitude to work in groups as an excellent team player
- Leadership Skill

- Good Presentation and Communication Skills
- Innovative and Proactive with Quick learning ability
- Self-Motivated and work well in Pressure Situations

#### Community & students

- Understand psychology of human being
- Having capacity of good presentation skills and also present good ppt.
- Having basic knowledge about quality and quantity education
- Having a good computer skill
- Languages: English, Urdu, Sindhi
- Extra Activities:
  - Attend NGOs Seminar, Workshop, Library Reading books, and Newspapers.

1. Adobe Photoshop,

2. Cityscape,

3. Matlab

4. Quick learner to control Organization Databases

5. Internet Usage (Particularly Mailing and Searching)

6. Software Installation

7. Area of Expertise:

8. Way of communication with public especially Local

#### **Languages:**

- ❖ English
- ❖ Chines
- ❖ Urdu
- ❖ Sindhi

#### **Hobbies:**

- ❖ Playing: Badminton and Cricket
- ❖ Reading Books
- ❖ Search research papers about my study
- ❖ News Papers