

## **CV OF DR. ZIA-UR-REHMAN (ASSOCIATE PROFESSOR)**

**UNIVERSITY OF AGRICULTURE, FAISALABAD SUB-CAMPUS T.T.SINGH**

Name Dr. Zia-ur-Rehman  
Designation Associate professor  
Date of Birth May 25, 1967  
Email: drzia@uaf.edu.pk  
Cell: 00923006557729  
Distinction: Gold Medal in BSc (Hons.) AH



### **Educational Profile**

Sr. No.	Degree	Session	Board/University	Marks/ CGPA	Out of	%	Division
1	Ph.D. Animal Breeding & Genetics	2006	University of Agriculture, Faisalabad	-	-	-	-
2	M.Sc.(Hons.) Animal Nutrition	1994	University of Agriculture, Faisalabad	3.81	4.00	79	1 <sup>st</sup>
3	B.Sc.(Hons) Animal Husbandry	1991	University of Agriculture, Faisalabad	3.66	4.00	77	1 <sup>st</sup> (Gold Medal)
4	F.Sc. (Pre -Medical)	1987	B.I.S.E. Sargodha	644	1100	56	2 <sup>nd</sup>
5	Matriculation (Science)	1984	B.I.S.E. Sargodha	655	850	77	1 <sup>st</sup>

### **Job Experience**

Sr. No.	Designation	Name of Institution	From	To	Nature of Job
1	Livestock Production Officer	Livestock & Dairy Development Department, Punjab	30-03-1994	31-12-1997	Created awareness among rural farmers about breeding, feeding and management of animals
2	Veterinary Officer	do	01-01-1998	31-03-2004	Breeding, management and nutrition of Sahiwal cattle being maintained at the Livestock experiment station, Khanewal
5	Research Officer	do	01-04-2004	31-07-2007	Supervised overall work of registration of Sahiwal cattle, breed development, capacity building of dairy farmers about breeding, feeding and management and vaccination of Sahiwal cattle Conducted milk and beauty competition at villages, Production and selection of elite male calves at farmer level.
6	Assistant Professor	University of Agriculture,	01-08-2007	31-12-2009	Teaching, and execution of development projects at the

	(on BPS)	Faisalabad			campus
7	Assistant Professor (On TTS)	University of Agriculture, Faisalabad	01-01-2010	30-08-2019	Teaching, research and execution of development projects at the campus
8	Associate Professor (On TTS)	University of Agriculture, Faisalabad	31-08-2019	To date	Teaching, research and extension work
9	Principal	University of Agriculture, Faisalabad Sub-Campus Toba Tek Singh	07.06.2022	To date	Administration on all matters necessary to run the sub-campus

**Ph.D. Research Title:** Inter-herd Performance and Genetic Evaluation of Sahiwal Cattle in Pakistan

No. of Research Papers published in International Journals: 03

No. of Research Papers published in National Journals: 15

No. of Book Chapter: 01

### **List of Research Papers Published:**

1. Rehman, M.S. U., Hassan, F.U., **Rehman, Z.**, Ishtiaq, I., Rehman, S.U. and Liu, Q. 2022. Molecular Characterization of TGF- $\beta$  Gene Family in Buffalo to Identify Gene Duplication and Functional Mutations. Genes 2022, 13, 1302. <https://doi.org/10.3390/genes13081302>
2. Rehman, M.S.U., Mushtaq, M., Hassan F.U, **Rehman, Z.**, Mushahid, M. and Borhon Shokrollahi. 2022. Comparative Genomic Characterization of Insulin-like Growth Factor Binding Proteins in Cattle and Buffalo. Biomed Research International. Article ID 5893825, 15 pages. <https://doi.org/10.1155/2022/5893825>.
3. Rehman, M.S.U., Mushtaq, M., Hassan, F.U, **Rehman, Z.**, Hussain, H.N., Shahid, M. A., Mushahid, M. and Borhon Shokrollahi. 2022. Comparative Genomic Characterization of Relaxin Peptide Family in Cattle and Buffalo. Biomed Research International. Article ID 1581714, 15 pages. <https://doi.org/10.1155/2022/1581714>.
4. Maliha Sarfraz, Hayat Ullah, Rashid Iqbal, **Zia-ur-Rehman**, Sanaullah Sajid, Munzer Ullah. Goals, Definitions, Principles, and Issues in Biodiversity Reporting: A Critical Review. J. Plant Environ. 04 (01) 2022.
5. Munzer Ullah, Maliha Sarfraz, Hayat Ullah, **Zia-ur-Rahman**, Zarif Gul, Misbah Ullah Khan, Rashid Iqbal, Maheen Kanwal, Nadia Nadeem, Amir Sohail, Ghazala Arshad. Uses of Ethnomedicinal Plants for the Treatment of Ulcer in Pakistan. J. Plant Environ. 04 (01) 2022. 77-85.
6. Munzer Ullah, Maliha Sarfraz, Hayat Ullah, **Zia-ur-Rahman**, Zarif Gul, Misbah Ullah Khan, Rashid Iqbal, Maheen Kanwal, Aasma Gulzar, Tehmina Sadiq, Aisha Rabnawaz. Water and Air Pollution as an Emerging Problem for Pakistan: A Review. J. Plant Environ. 04 (01) 2022. 83-88.

7. Ali Zurwan, Muhammad Moaeen-ud-Din, Ghulam Bilal, **Zia-ur-Rehman** and Muhammad Sajjad Khan. 2017. Estimation of Genetic Parameters for Persistency of Lactation in Sahiwal Dairy Cattle. *Pakistan J. Zool.*, 49(3), 877-882.
8. **Rehman, Z.**, M. S. Khan and M. Aslam Mirza. 2014. Factors affecting performance of Sahiwal cattle – A Review. *J. Anim. Plant Sci.* 24(1): 1-12.
9. **Rehman, Z.**, M. S. Khan, M. S. Rehman and F. Hassan. 2013. Genetic control and association among economic traits in Sahiwal cattle: A Review. *J. Anim. Plant Sci.* 23 (3): 678-691.
10. Khan M. S, **Z.U. Rehman**, S. Ahmad, F.U. Hassan and M.S.U. Rehman, 2012. Prediction of standard lactation milk yield from completed lactations of longer duration in cattle and buffaloes. *Pak Vet J*, 32(1): 122-124.
11. **Rehman, Z.** and M. S. Khan. 2012. Environmental factors affecting performance traits of Sahiwal cattle in Pakistan. *Pak Vet J*, 32(2): 229-233.
12. **Rehman, Z.** and M. S. Khan. 2012. Genetic factors affecting performance traits of Sahiwal cattle in Pakistan. *Pak Vet J*, 32(3): 329-333.
13. Khan, M. S., F. Hassan, M. S. Rehman, S. Ahmad and **Z. Rehman**. 2009. Days open and seasonality of calving in buffaloes and cattle in Pakistan. *Pakistan J. Zool.* 9:195-199.
14. Khan, M. S., **Z. U. Rehman**, M. A. Khan and S. Ahmad. 2008. Genetic resources and diversity in Pakistani cattle. *Pakistan Vet. J.* 28(2): 95-102.
15. Khan, M. S., G. Bilal, I. R. Bajwa, **Z. Rehman** and S. Ahmad. 2008. Estimation of breeding values of Sahiwal cattle using test day milk yields. *Pakistan Vet. J.* 28 (3):131-135.
16. **Rehman, Z.** and M. S. Khan. 2008. Effect of inbreeding on performance traits of Sahiwal cattle in Pakistan. *Indian J. Anim Genet. Breed.* 27(1,2):1-5
17. **Rehman. Z.**, M. S. Khan, S. A. Bhatti, J. Iqbal and A. Iqbal. 2008. Factors affecting first lactation performance of Sahiwal cattle in Pakistan. *Archives of Animal Breeding* 51(4): 305-317.
18. Bhatti, A. A., M. S. Khan, **Z. Rehman**, A. U. Hyder and F. Hassan. 2007. Selection of Sahiwal Cattle Bulls on Pedigree and Progeny. *Asian-Australasian J. Anim. Sci.* 20(1):12-18.
19. Khan, W. R., A. Khan, A. D. Anjum and **Z. Rehman**. 2002. Effect of Induced Heat Stress on Hematological Values in Broiler Chicks. *Int. J. Agri. Biol.*, 4(1): 44-45.
20. Khan, W. R., A. Khan, A. D. Anjum and **Z. Rehman**. 2002. Effect of Induced Heat Stress on some Biochemical values in Broiler Chicks. *Int. J. Agri. Biol.*, 4(1): 74-75.
21. **Rehman, Z.**, S. A. H. Gilani, G. Ahmad and K. M. Saharan. 1999. Effect of Formaldehyde Treatment on Protein degradability of Uncorticated Cottonseed Cake for Ruminants: In Vivo Studies. *J. Anim. Plant Sci.* 9 (1-2): 9-11.
22. **Rehman, Z.**, G. Ahmad and S. A. H. Gilani. 1999. Effect of Formaldehyde Treatment on Protein degradability of Uncorticated Cottonseed Cake for Ruminants: In Vitro Studies. *J. Anim. Plant Sci.* 9 (1-2): 5-7.

23. Saharan, K. M., M. J. Qureshi, M. Y. Javed and **Z. Rehman**. 1999. Nutritive Value of Corn Steep Liquor as a Substitute for Soybean Meal in Broiler Rations. J. Anim. Plant Sci. 9 (1-2): 17-19.
24. Mirza, R. H., G. Mohiuddin, M. Shafique, I. Ali and **Z. Rehman**. 1998. Effect of Inbreeding on Some Performance Traits in Lohi Sheep. J. Anim. Plant Sci. 8 (3-4): 79-81.

#### **BOOK CHAPTER:**

Muhammad Abdur Rehman and , Zia ur Rehman. 2019. Biopolymeric Material-based Blends: Preparation, Characterization, and Applications. John Wiley & Sons, Inc. UK. 2019-02-28 (SPi Global), 3: 47-66.

### **RESEARCH PROJECTS**

<b>Sr. No.</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Period</b>	<b>Amount (Rs. in Million)</b>	<b>Worked as</b>	<b>Status</b>
1	Development of a new breed of chicken for backyard poultry rearing (phase-I)	Higher Education Commission, Islamabad	2008-2009	7.80	Team Scientist	Completed
2	Development of egg-type chicken lines for backyard poultry production	Punjab Agri. Research Board, Lahore	15-04-2011 to 14-04-2016 (05 Years)	4.555	Team Leader	Completed
3	Improvement of Rural Poultry through Technology Transfer	Endowment Fund Secretariat, UAF	01-02-2017 to 31-01-2018 (one year)	0.719	Project Incharge	Completed
4	Production and Dissemination of Heat Tolerant Rural Chicken for Egg and Meat Production	CAS, UAF	01-02-2017 to 31-01-2018	\$6939	Project Incharge	Completed
5	Production and Dissemination of Heat Tolerant Rural Chicken	PARB, Lahore	01-05-2018 to	2.3992	Team Leader	Completed

<b>Sr. No.</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Period</b>	<b>Amount (Rs. in Million)</b>	<b>Worked as</b>	<b>Status</b>
	for Meat Production		30-04-2020			

**STUDENT'S RESEARCH WORK COMPLETED AS SUPERVISOR FOR  
M.SC. (HONS.) POULTRY SCIENCE**

<b>Sr. No.</b>	<b>Title of Research</b>	<b>Year</b>	<b>Status</b>
1	Supplementation of Sodium Bicarbonate, Vitamin C and L-Carnitine to Alleviate Heat and Transportation Stress in Broilers	2017	Completed
2	Evaluation of Growth Performance of Broilers Using Sodium Hypochlorite in Water At Different pH Levels	2017	Completed
3	Comparison of Desi and Commercial Chicken Eggs Laid in Heat Stress Condition for Their Storage Ability at Different Temperatures	2018	Completed
4	Evaluation of Growth Performance of Local Poultry Birds under Different Management Systems	2018	Completed
5	Impact of Pre and Post Storage Time and Temperature on Nutritional Profile of Desi Brown Shelled and Commercial White Shelled Eggs	2019	Completed
6	Influence of Different Diets on the Performance of UniGold Crossed Meat Type Birds	2019	Completed
7	Influence of Calcium Hypochlorite Treated Drinking Water on the Growth Performance of Broilers	2019	Completed
8	Effect of Probiotic, Prebiotic and Natural Herb on Growth Performance of UniGold Meat-type Birds	2020	Completed
9	Effect of Different Enzyme Supplementation on the Growth Performance, Nutrient Digestibility and Immune Response in F1 Crossbred Meat-type Birds fed Commercial and Kitchen Wastes Diets	2020	Completed
10	Effect of Protease, Phytase, B-Mannanase Enzymes on the Growth Performance of Unigold Crossbred Meat Type Chicken Fed on Basal and Kitchen Waste Diets	2021	Completed
11	Effect of Organic and Inorganic Growth Promoter on Egg Production Performance of Backyard Poultry	2022	Completed
12	Effect of Prophylactic Levels of Anti-Enteritic Drugs on Growth Performance, Nutrient Digestibility and Immunity In Broilers	2023	Completed

<b>Sr. No.</b>	<b>Title of Research</b>	<b>Year</b>	<b>Status</b>
13	Effect of Different Combinations of Immunity Boosters Against Newcastle Disease and Infectious Bronchitis Disease Vaccine's Performance and Health of Broilers	2023	Completed

#### **ADMINISTRATIVE ASSIGNMENTS:**

- Currently working as Principal University of Agriculture, Faisalabad Sub-Campus Toba Tek Singh.
- Working as member, Faculty Board in Faculty of Animal Husbandry, UAF.
- Prepared PC-1 worth Rs. 502 million for infrastructure development of UAF Sub-Campus Toba Tek Singh and got approved from Planning Commission, Islamabad.
- Made Poultry Units (Environment Controlled Poultry Shed, Feed Mill and Hatchery) at UAF Sub-Campus Toba Tek Singh and outsourced all units. The students of Poultry Science are getting training.
- Initiation of 04 new M. Phil Programs at UAF Sub-Campus Toba Tek Singh during 2023-24 (Chemistry, Zoology, Computer Science and Animal Nutrition).
- Worked as Senior Tutor at UAF Sub-Campus Toba Tek Singh.
- Worked as Convenor, Canteen/Photoshops Committee to rent out these shops.
- Conducted seminars on different topics.
- Celebration of World Egg Days.
- Attended Conferences/ Workshops
- Worked as Incharge Junior Laboratory School at UAF Sub-Campus Toba Tek Singh
- Worked as member Seminar/ Synopsis Scrutiny Committee.
- Developed Poultry Industry-Academia Linkage
- Conducted Poultry Students Internship Programs
- Worked as POULTRY FARM INCHARGE at UAF Sub-Campus Toba Tek Singh.
- Worked as Transport Officer at UAF Sub-Campus Toba Tek Singh
- Worked as ADVISOR for B.Sc. (Hons.) Poultry Science Students
- Worked As “CHAIRMAN DISCIPLINARY ADVISORY COMMITTEE” at UAF Sub-Campus Toba Tek Singh.