

DR. IRFAN (Curriculum Vitae)

Name: Dr. Irfan

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Date of birth: May 10, 1984

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Education: Ph.D. (Wildlife and Ecology). 2016. University of Veterinary and Animal Sciences, Lahore

M.Phil. (Wildlife and Ecology). 2010. University of Veterinary and Animal Sciences, Lahore

M.Sc. (Zoology). 2008. University of the Punjab, Lahore

Supervisor Status: HEC Approved Ph.D Supervisor

Job Status: Assistant Professor on BPS (Department of Zoology, Cholistan University of Veterinary and Animal Sciences, Bahawalpur)

Member of BOS:

1. Secretary & Member Board of Studies, Cholistan University of Veterinary and Animal Sciences, Bahawalpur.
2. Member Board of Studies, University of Okara, Okara.

Experiences: Working as Assistant Professor in Government Universities since 2016.

Research Works

- i. Welfare Assessment of Wild Turkeys (*Melleagris gallopavo*) Subjected to Free Range, Semi-Intensive and Confinement Rearing Systems. (Ph.D. Thesis)
- ii. Ecology and Population of Birds of Changa Manga Forest, Pakistan. (M.Phil. Thesis)

PhD Students Under Supervision

1	Mehwish Bibi	21-cuvas-0005	Value addition of Honey as therapeutic Neutraceutical for Colitis alleviation	Completed
2	Muhammad Jabbar	21-cuvas-0008	Essential oil nanoemulsion as growth promoter and antibiotics alternative in broiler	Completed
3	Ahsan Shafiq	20-cuvas-0687	Development, optimization of clove nanoemulsion incorporated anti-inflammatory cream for house hold pets	Completed
4	Muhammad Sarfraz	21-cuvas-0004	Genetic variability and captive stress on DNA damage among Indian Pea fowl under captive conditions in Pakistan and its molecular modeling with phytochemicals	Completed
5	Iqra Saif	21-cuvas-0201	Natural mosquito repellent a green alternative to synthetic	Completed
6	Khushbo Fatima	23-cuvas-0010	Functional Characterization of single cell protein derived from <i>Saccharomyces cerevisiae</i> and <i>Methylococcus capsulatus</i> for broiler feed formulation	Completed
7	Ayesha Ahmad	25-cuvas-0312	-----Continue----	3 rd Semester
8	Muhammad Irfan	25-cuvas-0313	-----Continue----	3 rd Semester
9	Fayyaz Hussain	25-cuvas-0314	-----Continue----	3 rd Semester
10	Mohammad Rameez Hashmi	26-cuvas-0030	-----Continue----	2 nd Semester
11	Muhammad Rashid	26-cuvas-0031	-----Continue----	2 nd Semester
As Major Member of PhD Students				
1	Talat Sabtain	21-CUVAS-0012	The impact of selenium on productivity, fertility, hatchability of Janase Quails (<i>Coturnix coturnix japonica</i>)	Completed
2	Muhammad Waseem	21-CUVAS-0009	Systematic and molecular biodiversity of selected beetles (Coleoptera) from cholistan desert	Completed
3	Aqeel ur Rehman	21-CUVAS-0203	Assessment of growth performance, and cytotoxicity in Japanese Quails induced by Cadmium Chloride and Amelioration with <i>Moringa oleifera</i> as antioxidant agent	Completed
4	M. Zain Ul Abedin	20-CUVAS 0676	A Comparative Analysis of Hemiacridinae (Orthoptera) in Sindh Entomological Museum and Today survey of this species in Khyber Pakhtunkhwa	Completed
5	Hafiz M. Bilal	21-CUVAS 0007	Evaluating the protective properties of vitamin c and e on growth, production and cytolytic alteration with cypermethrin toxicity in japanese quails	Completed

6	Sana Iqbal	23-CUVAS 0009	Diversity and Ecology of Aquatic Insects in Irrigated Canals of Panjnad Headworks Punjab Pakistan	Completed
7	Warisha Saif	20-CUVAS-0657	Evaluation of Growth, Production and Cytotoxicity in Japanese Quails by Lead Chloride and Exactitude with Moringa oleifera as an Antioxidant and Adsorbing Agent	Completed
8	Palwasha Saif	22-CUVAS-0001	Assessment of Toxic-Pathological Effect of Chlorpyrifos in Japanese Quails: Amelioration with Moringa oleifera as Antioxidant and Adsorbing Agent	Completed

MPhil Research Students Supervised

Sr.	Student Name	Registration No.	Research Title
1	Ifragh Manzoor	20-CUVAS-0652	Antibiotic Replacement with Nano-emulsion of Essential oil in Poultry Diet.
2	Gul Zahra Khan	20-CUVAS-0656	<i>Citrullus colocynthis</i> loaded nano-emulsions as dip coatings to avoid lemon fungal (<i>Penicillium digitatum</i>) decay
3	Naila Khanum	20-CUVAS-0666	Foliar application of <i>Citrullus colocynthis</i> and Neem essential oil to combat <i>Penicillium digitatum</i>
4	Hafiz M Sajawal	20-CUVAS-0686	Preparation and characterization of <i>Azadirachta indica</i> (Neem) nano-emulsion as anti-bacterial agent
5	Ahsan Shafiq	20-CUVAS-0687	<i>Citrullus colocynthis</i> (Bitter Apple) loaded nickel nanoparticles and their application as anti-bacterial and anti-inflammatory cream
6	Waqar Shahzad Hashmi	20-CUVAS-0694	Preparation of <i>Citrullus colocynthis</i> extract against gram Positive (+ve) Bacteria
7	Qaisar Irshad	20-CUVAS-0708	Neem (<i>Azadirachta indica</i>) extract and emulsion loaded anti-pest tablets to tackle wheat pest
8	M Tausif Shahid	20-CUVAS-0711	In Vitro antimicrobial efficacy of <i>Syzygium aromaticum</i> (Clove) nano-emulsion against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i>
9	Hafiza Rimsha Sehar	20-CUVAS-0721	<i>Citrullus colocynthis</i> extract loaded edible film as natural preservative for bread shelf-life extension
10	Momina Naeem	21-cuvas-0178	Clove essential oil nanoemulsion as green fungicide to avoid <i>Aspergillus flavus</i> on wheat grains
11	Alina Arshad	21-cuvas-0151	Peppermint (<i>Mentha piperita</i>) essential oil nanoemulsion as green preservative for bread
12	Ayesha Khalid	21-cuvas-0170	Clove (<i>Syzygium aromaticum</i>) essential oil nanoemulsion as green preservative for bread
13	Faryal Ali	21-cuvas-0194	Clove essential oil nanoemulsion embedded edible film patch for bread shelf life extension
14	Maryam Younus	21-cuvas-0192	Peppermint oil nanoemulsion as green fungicide to avoid <i>Aspergillus flavus</i> on wheat grains
15	Ayesha Farooq	21-cuvas-0155	Diversity Estimation and seasonal variation of Avian Fauna of Islamabad and surroundings
16	Saood Ahmad	21-cuvas-0187	Colitis model preparation and In vivo confirmation
17	Sadaf Naseer	19-CU-ZOOL-135	Clove and Cinnamon Mixed oil Nanoemulsion dips to combat <i>Aspergillus niger</i> spoilage in Golden delicious apple
18	Sehrish Nazar	21-CUVAS-0190	Effect of Sodium Chloride on growth, histology and Oxidative stress parameters of Nile Tilapia
19	Sofia Qadir	22-CUVAS-0051	Cinnamon and Clove mixed oil nanoemulsion dips to combat

			Alternaria Fungus spoilage
20	Sumaira Sagheer	2019-CU-ZOOL-160	Clove and Cinnamon mixed oil nanoemulsion dips to combat <i>Aspergillus niger</i> fungus spoilage
21	Aqsa Asif	2022-CUVAS-0043	Growth promoting effect of yeast-derived Single Cell Protein in Quails
22	Muhammad Ahmad Mehmood	2022-CUVAS-0068	<i>Saccharomyces cerevisiae</i> based single cell protein as growth promoter in broiler
23	Muhammad Zulqarnain	2019-CU-ZOOL-096	A virtual Reality Based Study to Assess Biodiversity Impact on Stress and Effect from Bahawalpur City to Lal Suhanra National Park as Conservation Area
24	Hamna Rafiq	23-CUVAS-0074	Develop Computational Models to Simulate the Migration of Birds Under Various Climate Change Scenarios in Cholistan
25	Tehreem Fatima	2019-cu-zool-032	Molecular Docking Analysis of Plant Derived Immunodulator Candidates for Enhancing Immune Function in Japanese Quails
26	Asma Afzal	23-CUVAS-0079	Using Technology to Study How Desert Birds Cope With Increasing Aridity and Reduced Water Availability
27	Romaisa Qadir	2019-cu-zool-086	Develop GIS-based Models to Assess and Optimize Wildlife Corridors in Fragmented Habitats
28	Ayesha Mubeen	2019-CU-ZOOL-100	Species and Habitat Specific Changes in Bird Activity in an Urban Environment During Summer and Winter Season
29	Anila Riasat	2019-CU-ZOOL-102	Quantify the Potential of Urban Green Spaces to Act as Carbon Sinks Using Spatial Analysis and Predictive Modeling
30	Ayesha Mustafa	2019-CU-ZOOL-027	Ectoparasites diversity (lice, mite, ticks, flies) of Indian ring necked parakeets in different captive facilities
31	Anshara Javed Qureshi	24-CUVAS-0063	Feather corticosterone measurement and observation in the great white pelican
32	Esha Noor	20-CUVAS-0549	Prevalence of specie identification of gastrointestinal nematodes in captive green java peafowl
33	Sumbal Saif	24-CUVAS-0076	Effects of different feed types on intestinal parasite load in captive pheasants based on fecal examination
34	Sajida Zareef	20-CUVAS-0531	Diversity and intensity of helminth eggs in fecal material of common crane
35	Muhammad Aslam	24-CUVAS-0081	Feather corticosterone measurement and observation in green java peafowl
36	Isha Masood	22-CUVAS-0054	Sub-lethal Chlorpyrifos exposure: Effect of growth performance, Feed Utilization and kidney health in Domestic hens

Major member of MPhil Students

Sr.	Student Name	Registration No.	Research Title
1	Farhana Aslam	20-CUVAS-0717	Studies on sexual dimorphism in morphometry and hematology of common quail (<i>Coturnix coturnix</i>) in Punjab, Pakistan
2	Muhammad Mubashir	20-CUVAS-0698	The comparative study on molecular prevalence of <i>Anaplasma marginale</i> in ruminants of South Punjab, Pakistan
3	Kausar Perveen	20-CUVAS-0715	Molecular prevalence of endoparasites in grey francolin (<i>Francolinus pondicerianus</i>) in Punjab, Pakistan
4	Muhammad Hasnain Lateef	20-CUVAS-0705	Determination of meat quality parameters of grey francolin (<i>Francolinus pondicerianus</i>) in Punjab, Pakistan
5	Warisha Saif	20-CUVAS-0657	Divergence in morphometric and hematological parameters in grey francolin (<i>Francolinus pondicerianus</i>) in Punjab, Pakistan

6	Samina Abbas	20-CUVAS-0670	Molecular prevalence of endoparasites in common myna (<i>Acridotheris tristis</i>) in Punjab, Pakistan
7	Muhammad Imran Zafar	20-CUVAS-0714	The comparative study on molecular prevalence of babesia in domestic animals of South Punjab, Pakistan
8	Hamna Iqbal	20-CUVAS-0672	Molecular prevalence of endoparasites in common quail (<i>Coturnix coturnix</i>) in Punjab, Pakistan
9	Muhammad Shahid	20-CUVAS-0677	Studies on the variation in morphometry and hematology of spiny tailed lizard (<i>Uromastix hardwickii</i>) in Cholistan Desert in Punjab, Pakistan
10	Muhammad Sohaib Khan	20-CUVAS-0690	The Comparative study on molecular prevalence of <i>Theileria Annulata</i> in domestic animals in South Punjab, Pakistan
11	Muhammad Naveed Mumtaz	21-CUVAS-0169	The effect of feed supplement on the Hematology and Blood chemistry of New Zealand White Rabbits (<i>Oryctolagus cuniculus</i>)
12	Sadia Yousaf	21-CUVAS-0175	The impact of different levels of dietary crude protein on the morphometric parameters of Grey Francolin (<i>Francolinus pondicerianus</i>)
13	Ayesha Ishfaq	21-CUVAS-0176	The effect of feed supplement on the growth performance of New Zealand White Rabbits (<i>Oryctolagus cuniculus</i>)
14	Syeda Alia Bint Riaz	21-CUVAS-0162	The effect of different levels of Crude protein on Hematology and Blood Chemistry of Grey Francolin (<i>Francolinus pondicerianus</i>)
15	Faqiha Syed	21-CUVAS-0159	Incidence of pest on different cotton varieties from Dera Ghazi Khan
16	Shazia Batool	21-CUVAS-0149	Diversity of short horned grasshopper (Acrididae: Orthoptera) from Muzaffargarh
17	Masooma Bukhari	21-CUVAS-0164	Comparative efficacy of herbal feed additive growth performance and economics of broilers in replacement to antibiotic growth promoters
18	Mamoon Saeed	21-CUVAS-0182	The impact of different levels of dietary crude protein on growth performance and carcass characteristics of grey francolin (<i>Francolinus pondicerianus</i>)
19	Fatima	21-CUVAS-0068	Effects of Moringa meal supplementation on haematology, Serum Chemistry and antioxidant activity of Japanese quails
20	Muhammad Saif Ullah	2019-CU-ZOOL-058	Effects of different edible oils on hematology, Serum Chemistry and antioxidant activity of Japanese quails
21	Ijaz Bilal	2019-CU-ZOOL-117	Effects of Moringa leaf meal supplement on growth performance and meat quality of Japanese quails
22	Sonia Hameed	23-CUVAS-0080	Study of Cryptic species of Gryllidae (Orthoptera) from district Lodhran
23	Eisha Tir Razia	23-CUVAS-0075	Study on morphological differences in Earwigs (Dermaptera) of Bahawalpur
24	Zara Choudhary	2019-CU-BIOS-024	Comparative study on the Occurrence of some selective Caeliferens in Cholistan Desert
25	Hamza Latif	2019-CU-ZOOL-082	Effect of diet supplementation with moringa meal on production and quality of egg in Japanese quail
26	Laiba Kainat	23-CUVAS-0067	Study on the life cycle of Earwigs (Dermaptera) under laboratory conditions
27	Kashmala Arshad	2019-CU-ZOOL-108	Effect of dietary edible oil on production quality and proximate analysis of egg in Japanese quails
28	Muhammad Zeshan	2019-CU-ZOOL-064	Study on the life cycle of the grasshopper <i>Poecilothera pictus</i> (Orthoptera: Pyrgomorphidae) from the Cholistan Desert
29	Alishba Nageen	22-CUVAS-0069	Effect of Deltamethrin on Morphometry and Serum Chemistry of Japanese Quail
30	Asma Ramzan	22-CUVAS-0059	Effect of Acute Toxicity of Chlorpyrifos on Morphometry and Blood Serum Chemistry of Japanese Quail

31	Sana Javed	22-CUVAS-0048	Assessment of Morphometry and Blood Serum Chemistry in Japanese Quail Induced by Cadmium Chloride
32	Memoona Siddique	22-CUVAS-0044	Assessment of Biometry and Blood Serum parameters in Japanese Quails induced by lead chloride
33	Nageena Kousar	22-CUVAS-0060	Effect of Probiotics <i>Saccharomyces cerevisiae</i> on feed efficiency and carcass characteristics of Grey Francolin (<i>Francolinus pondicerianus</i>)
34	Romana Arshad	22-CUVAS-0057	Distribution of Family Tenebrionidae (Coleoptera) from Cholistan Desert
35	Rabia Khalil	22-CUVAS-0056	Life history statics of <i>Pokilocerus pictus</i> (Orthoptera Pygomorphidae) in Cholistan Desert
36	Shamsa Kanwal	2019-CU-ZOOL-155	A systematic study on Mole Crickets (Gryllotalpidae: Ensifera) from Cholistan Desert
37	Iqra Ajmal	2019-CU-ZOOL-138	Seasonal variation in Orthopteran Diversity a case study in Rainy Season in Cholistan Desert
38	Abu Bakar Siddique	2019-CU-ZOOL-130	Efficiency of insecticides on Thrips and white fly in cotton varieties across Muzaffargarh District
39	Muhammad Younus	2019-CU-ZOOL-133	Identification of DNA origins of Donkey and Pork species in Cow minced meats by Rapid Multiplex PCR

BS STUDENTS

Sr.	Student Name	Registration No.	Research Title
1.	Muhammad Jan Shair	2019-CU-ZOOL-157	Study of feed preference and behavioral activities of Hedgehog
2.	Sadaf Naseer	2019-CU-ZOOL-135	Analysis of water quality parameters from different areas of Bahawalpur City
3.	Muhammad Dilawar	2019-CU-ZOOL-023	Effect of aqueous and ethanolic extraction of <i>Podophyllum hexandrum</i> on male fertility and sex associated hormones in rabbits
4.	Ayesha Mustafa	2019-CU-ZOOL-023	Study on diversity of small mammals in selected areas of Cholistan desert
5.	Ayesha Eeman	2019-CU-ZOOL-083	Evaluation of External and internal egg quality traits of different avian species of Pakistan
6.	Faria Mazhar	2019-CU-ZOOL-090	Interspecific variation in the structural properties of feathers in different avian species

Additional Duties

1	Deputy Director QEC
2	Secretary Board of Studies
3	Focal Person Scheme of Studies
4	Class coordinator
5	Focal Person for Undergraduate Prospectus (2024-2025)

Award/Distinction

Gold Medal

Prof. Dr. Mirza Azhar Beg Gold Medal Awarded by Pakistan Zoological Society in 43th International congress of Zoology 2025.

Research Publications in National/International Journals

1. Muhammad Shahbaz, Muhammad Aslam khan, Irfan Baboo, Ayesha Shahbaz, Arshad Javid. Distribution and Pictorial Key to The Anopheline Mosquitoes of Pakistan and Kashmir (Diptera: Culicidae : Anophelinae) Pakistan Journal of Zoology (2026). MH20220623200659-R1 (Accepted).
2. Muhammad Sarfraz, **Irfan Baboo***, Zahid Farooq, Haseeb Khaliq, Valiollah Palangi Synergistic protection: Integrating in silico and in vivo evidence for *Moringa oleifera* flavonoids as potent Mitigators of Deltamethrin toxicity. Research in Veterinary Science by Elsevier. Volume 206, July 2026, 106187. <https://doi.org/10.1016/j.rvsc.2026.106187> (Impact Factor: **1.8**)
3. Khushbu Fatima, **Irfan Baboo***, Muhammad Shahbaz, Muhammad Jabbar, Palwasha Saif, Warisha Saif. (2025) Diurnal Behavior of Three Varieties of Coturnix japonica Selected for High Body Weight and Egg. Pakistan Journal of Veterinary and Animal Research. www.pjvar.com; ISSN: 3106-3055 (ONLINE)
4. Muhammad Waseem, Santosh Kumar*, Riffat Sultana, **Irfan Baboo** and Zahid Manzoor. (2026) Three new records of scarabaeinae (subfamily: scarabaeinae; family: scarabaeidae; order: coleoptera) from the arid zone of south Punjab, Pakistan. Journal of Animal and Plant Sciences, 36 (2). <https://doi.org/10.36899/JAPS.2026.2.0036> **Impact factor 0.60**
5. Shafiq A, **Irfan Baboo***, Farooq Z, Majeed H and Palangi V (2025) Development and evaluation of clove oil nanoemulsion-based topical cream for anti-inflammatory activity in mice. Front. Vet. Sci 2297-1769. 12:1716637. doi: 10.3389/fvets.2025.1716637 **Impact Factor: 2.6**
6. Talat Subtain, Zahid Farooq, **Irfan Baboo**, Muhammad Tahir Khan. Effect of Selenium-supplemented diets on hatchinh performace and selenium retention in japanese quails. Revista Brasileira de Ciencia Avicola / Brazilian Journal of Poultry Science 1806-9061. doi.org/10.1590/1806-9061-2024-2059 **Impact Factor: 0.9**
7. Aqeel Ur Rehman, Z. Farooq, **I. Baboo** and H. Khaliq. The protective role of *Moringa oleifera* in reproductive traits of cadmium chloride exposed japanese quails. Journal of Animal Plant Science 1018-7081, 35 (4) 2025. <https://doi.org/10.36899/JAPS.2025.4.0098> **Impact Factor: 0.6**
8. Muhammad Waseem, Santosh Kumar, Riffat Sultana, **Irfan Baboo**, Zahid Manzoor. Exploration of the Coleoptera Fauna in the Cholistan Desert, Punjab, Pakistan. Plant Protection 2617-1287, 09 (02) 2025. 261-272. DOI:10.33804/pp.009.02.5568
9. Mehwish Bibi, **Irfan Baboo***, Hamid Majeed, Santosh Kumar and Maximilian Lackner. Molecular Docking of Key Compounds from Acacia Honey and *Nigella sativa* Oil and Experimental Validation for Colitis Treatment in Albino Mice. *Biology* 2024, 13(12), 1035 (2079-7737) ; <https://doi.org/10.3390/biology13121035>. **Impact Factor: 3.6**

10. Muhammad Jabbar, **Irfan Baboo***, Hamid Majeed ^b, Zahid Farooq ^a, Valiollah Palangi, Characterization and antibacterial application of peppermint essential oil nanoemulsions in broiler. *Poultry Science* by Elsevier 0032-5791. Volume 103, Issue 12, December 2024, 104432. <https://doi.org/10.1016/j.psj.2024.104432>. **Impact Factor: 4.2**
11. Muhammad Jabbar, **Irfan Baboo***, Hamid Majeed, Zahid Farooq, Valiollah Palangi and Maximilian Lackner, Preparation and Characterization of Cumin Essential Oil Nanoemulsion (CEONE) as an Antibacterial Agent and Growth Promoter in Broilers: A Study on Efficacy, Safety, and Health Impact. *Animals* 2024, 14, 2860. <https://doi.org/10.3390/ani14192860>. **Impact Factor: 2.7**
12. Asad Rehman, Usman Majeed, Afshan Shafi, Muhammad Shahbaz, **Irfan Baboo**, Rizwana Sultan, Zahid Manzoor, Muhammad Mazhar Munir, Iqra Saif, Tahir Mahmood Qureshi, Hamid Majeed, Ali Değirmencioglu, Daniel Kallinger, Maximilian Lackner. Evaluation of antioxidant capacity and bioactive compounds in *Capsicum annum* L. red peppers following drying in a polycarbonate greenhouse. *The EuroBiotech Journal*. 19/01/2024 **Impact Factor: 1.7** <https://doi.org/10.2478/ebtj-2024-0002>
13. Iqra Saif, Muhammad Sufyan, **Irfan Baboo***, Muhammad Jabbar, Ahsan Shafiq, Rida Nosheen Saif, Umer Liaqat, Maximilian Lackner. Efficacy of *Beauveria bassiana* and *Metarhizium anisopliae* against wheat aphid. *The EuroBiotech Journal*. 19/01/2024. **Impact Factor: 1.7** <https://doi.org/10.2478/ebtj-2024-0003>
14. Khalid Javed Iqbal, Hamid Majeed, Khalid Jamshed Iqbal, Muhammad Asghar, Hamda Azmat, Mahroze Fatima, Noor Khan, **Irfan Baboo**, Amna Tehseen, Wazir Ali, Usama Saeed, Ayesha Khizar, Amber Fatima, Sobia Nisa, Simon John Davies. Administration of vitamin E and C enhances immunological and biochemical responses against toxicity of silver nanoparticles in grass carp (*Ctenopharyngodon idella*) PLOS ONE April 27, 2023. (**Impact Factor = 3.752**) <https://doi.org/10.1371/journal.pone.0284285>
15. Khalid Javed Iqbal, Noor Khan, Mahroze Fatima, Mushtaq Hussain Lashari, Muhammad Asad, Asma Ashraf, Huma Fatima, Hamid Majeed, **Irfan Baboo**, Khalid Jamshed Iqbal, Muhammad Asghar, Usama Saeed, Wazir Ali, Sadia Nazir, Sheeza Bano, Ayesha Tanveer. Determination of heavy metals (Pb, Cr, As, Hg, and Cd) into the body organs of selected fish, water, sediment, and soil samples from Head Punjnad and Head Taunsa, Punjab, Pakistan. PLoS ONE 18(9): e0288163 (2023) <https://doi.org/10.1371/journal.pone.0288163> **Impact Factor: 3.752**
16. Majeed, Usman, Afshan Shafi, Muhammad Shahbaz, Kashif ur Rehman Khan, Khalid Javed Iqbal, Kashif Akram, **Irfan Baboo**, Shaukat Hussain Munawar, Muhammad Mazhar Munir, Rizwana Sultan, Hamid Majeed, Ilaria Cacciotti, Tuba Esatbeyoglu and Sameh A. Korma (2023) "Assessment of Growth Inhibition of Eugenol-Loaded Nano-Emulsions against Beneficial Bifidobacterium sp. along with Resistant Escherichia coli Using Flow Cytometry." *Fermentation* 9, No. 2:140. (**Impact Factor = 5.123**) <https://doi.org/10.3390/fermentation9020140>
17. **Irfan Baboo**, Muhammad Jan Shair, Khalid Javed Iqbal, Muhammad Shahbaz, Ahsan Shafiq, (2022). "Study of Behavioral Activities and Feed Preference in Hedgehog (*Hemiechinus collaris*) in University of Sindh Journal of Animal Sciences. Volume 6, Issue 3 September 2022. DOI: [10.57038/usjas.v6i03.5210](https://doi.org/10.57038/usjas.v6i03.5210)
18. Anjam Shezadi, Muhammad Shahbaz, **Irfan Baboo**, Faiza Shakir, Misbah Shoukat, Maryam Anwar, Badra Younis, Rabia Akbar, Amna Benish, Lubna Mumtaz, Zahid Farooq, 2021. Traffic Related Air Pollution Exposure Effect On Circulating White Blood Cell Counts In Healthy Individuals. *Journal of Bioresource Management*. 8(1): 106-113. <https://doi.org/10.35691/JBM.1202.0170>

19. Sadaf Fayyaz, Muhammad Shahbaz, **Irfan Baboo**, Shazia Nazir, Misbah Shaukat 2021. Epidemiology and Risk Factor Analysis of Fasciolosis in Buffaloes in District Bagh, Azad Kashmir, Pakistan. Journal of Bioresource Management. 8(1): 128-137 DOI: <https://doi.org/10.35691/JBM.1202.0172>
20. Abuzar Tabusam, Sajid Abdullah, Dilawar Hussain, Jafar Aqeel Naqi, Sidra Aqeel, Shaista Fiyaz, **Irfan Baboo** and Majid Ali Nasir. (2021) Effect of *Saccharomyces cerevisiae* on the growth performance of Labeo rohita. Biologia (Pakistan). 67 (I), online
21. Khalid Javed Iqbal, **Irfan Baboo**, Arshad Javid, Noor Khan, Hamid Majeed, Azra Anwer, Zahid Farooq, Muhammad Altaf, Muhammad Moazam Jalees. (2021). Toxicity study of iron-oxide nano-particles on the hematology of *Cyprinus carpio*. Pakistan Journal of Zoology. (DOI: <https://dx.doi.org/10.17582/journal.pjz/20210414060434>) **Impact Factor: 0.831**
22. Khalid Javed Iqbal, Ahmad Ali, Sonia Iqbal, Usman Atique, Arshad Javid, Noor Khan, Muhammad Altaf, **Irfan Baboo**, Hamid Majeed, Gulnaz Afzal, Azra Anwer, Madeeha Zaheer, Sheikh Muhammad Azam, Adnan Ahmad Qazi, Hamidullah, Khurshaid Anwar 2021. First Reports on the Captive Breeding and Mortality of Black Swan (*Cygnus atratus*) in Pakistan. Fresenius Environmental Bulletin. Volume 30– No. 08/ 2021 pages 9662-9669. (**Impact Factor = 0.489**)
23. M. Idnan, A. Javid, M. Tayyab, A. Hussain, S. Mansoor, S. M. Bukhari, **Irfan**, M. Shahbaz, K. ur Rehman, S. Andleeb, S. M. Azam and W. Ali 2021. Molecular identification of genus Pipistrellus (Mammalia: Chiroptera) from Fata region, Pakistan. Brazilian Journal of Biology, 2023, vol. 83, e246322 | <https://doi.org/10.1590/1519-6984.246322>. (**Impact Factor = 1.651**)
24. Zahid Farooq, **Irfan Baboo**, Muhammad Younas, Sana Asad, Khalid Javed Iqbal, Muhammad Shahbaz, Muhammad Mazhar Munir, Muhammad Saleem Khan & Muhammad Wajid 2021. Social Behavior and Circadian Variations in Different Activities of Captive Hog Deer (*Axis porcinus*). Sains Malaysiana, Volume 50, ISSN 0126-6039. (**Impact Factor = 1.009**) DOI: [10.17576/jsm-2021-5010-03](https://doi.org/10.17576/jsm-2021-5010-03)
25. Khalid Javed Iqbal, Arshad Javid, Noor Khan, **Irfan Baboo**, Ahmed Ali, Kashaf Mohsin, Azra Anwer, Usman Atique, Muhammad Altaf, Dilawar Hussain & Asma Chaudhry (2020). Consumer attitude towards wild-caught and farm-raised fish in Bahawalpur. Biologia (Pakistan) 66(1). (Online)
26. Sumaira, Syed Mohsin Bukhari, Maqsood Iram, Arshad Javid, Ali Hussain, Waqas Ali, Khalil Ur Rehman, Shahla Andleeb, **Irfan Baboo** and Nimra Khalid. (2020). Seasonal Variation in Ecdysis Process and Parasitic Prevalence in Indian Rock Python (*Python molurus*). Pakistan Journal of Zoology. (Online). <https://dx.doi.org/10.17582/journal.pjz/20190417060401> **Impact Factor 0.831.**
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Research Project

Approval of research grant (Rs. 4,90,000/=) for the project No. 1578 entitled “**Welfare Assessment Of Grey Partridge (*Perdix perdix*) in Semi-Intensive and Confinement Rearing Systems**” Under University Faculty Startup Research Grant Program.

Abstracts Published

1. Arshad Javid, Muhammad Altaf, Muhammad Ashraf, Ali Hussain, **Irfan**, Syed Makhdoom Hussain and Muhammad Idnan. 2016. Habitat Preferences of Wild Mammalian Species along River Chenab, Pakistan. FEWFM-63. 36th Pakistan Congress of Zoology.
2. Arshad Javid, **Irfan**, Muhammad Ashraf, Ali Hussain, Athar Mahmud, Muhammad Altaf, Muhammad Idnan and Syed Makhdoom Hussain. 2016. Comparative Studies on Growth Performance, Carcass yield and Sensory Quality Attributes of Meat between Turkeys (*Melleagris gallpavo*) reared in free range and Confinement rearing system. FEWFM-64. 36th Pakistan Congress of Zoology.
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18. **Irfan**, A. Javid, M. Altaf, M.A. Munir, S. Ashraf, M.A. Yaqoob, Z. Ali and M. Iqbal. 2014. Diversity of wild mammalian fauna of Chhanga Manga forest, Punjab, Pakistan. Abstract Book. 1st International Conference on Environment and Sustainable Development. December 16-17, 2014. GC University, Lahore. Page No. 19.
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30. IFAC-2019-FHD-41 Huma Naz, Sajid Abdullah, Khalid Abbas, Wardah Hassan Shakeela Perveen, Moazama Batool and **Irfan Baboo**. 2019. Evaluation of antioxidant enzymes in different organs of three fish species *Catla catla*, *Cirrhina mrigala* and *Labeo rohita* under chronic exposure of insecticides mixture (bifenthrin, chlorpyrifos and endosulfan). International Fisheries and Aquaculture Conference.
31. IFAC-2019-FHD-42 Huma Naz, Sajid Abdullah, Khalid Abbas, Muhammad Anjum Zia,

- Moazma Batool, **Irfan Baboo** and Sadia Maalik. 2019. Kinetic and thermodynamic characterization of superoxide dismutase from liver of *Labeo rohita* under stress of Pb+Cr mixture. International Fisheries and Aquaculture Conference.
32. IFAC-2019-FPMVA-12 Khalid Javed Iqbal, Arshad Javid, Noor Khan, **Irfan**, Hamid Majeed, Ahmad Ali, Kashaf Mohsin, Azra Anwer, Muhammad Altaf and Muhammad Asghar. Consumer Attitude toward wild-caught fish and farm-raised fish in Bahawalpur. International Fisheries and Aquaculture Conference.
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 34. Effect of natural and commercial feed on serum chemistry of Grey Partridge (*Perdix perdix*) in confinement rearing systems. **Irfan Baboo**, Arshad Javid, Khalid Javed Iqbal, Nasir Siddiq, Syed Mohsin Bukhari, Dilawar Hussain, Huma Naz, 39th Pakistan Congress of Zoology.
 35. Determination and impact of heavy metals in common mayna (*Acridotheres tristis*) of district Faisalabad. Rimsha Naz, **Irfan Baboo**, Khalid Javed Iqbal, Sana Malik, Naunain Mehmood. 39th Pakistan Congress of Zoology.
 36. Quantitative determination of *Azadirachta indica* and its micro-emulsion toxicity against Red Flour Beetle (*Tribolium sactaneum*). Qaisar Irshad, Irfan Baboo, Hamid Majeed, Hafiz Muhammad Sajawal, Ahsan Shafiq, Waqar Shahzad Hashmi, Muhammad Tausif Shahid, Gul Zahra Khan and Hafiza Rimsha Sehar. 4th International conference on Innovative Biological and Public Health Research (IBPHR-2021) December 07-08, 2021, **SE-07**.
 37. Citrullus loaded nanoemulsion as natural preservative for bread fungus (Rhizopus) avoidance on market shelves. Hafiza Rimsha Sehar, Irfan Baboo, Hamid Majeed, Gul Zahra Khan, Naila Khanum, Ifrah Manzoor, Waqar Shahzad Hashmi, Qaisar Irshad, Ahsan Shafiq, Hafiz Muhammad Sajawal. 4th International conference on Innovative Biological and Public Health Research (IBPHR-2021) December 07-08, 2021, **MI-05**.
 38. Preparation of *Citrullus colosynthis* extract loaded metallic nanoparticles and their antibacterial efficacy. Ahsan Shafiq, Irfan Baboo, Hamid Majeed, Waqar Shahzad Hashmi, Hafiz Muhammad Sajawal, Qaisar Irshad, Muhammad Tausif Shahid, Hafiza Rimsha Sehar, Gul Zahra Khan. 4th International conference on Innovative Biological and Public Health Research (IBPHR-2021) December 07-08, 2021, **MI-07**.
 39. Study of behavioral activities of Hedgehog. Muhammad Jan Shair, Irfan Baboo, Ahsan Shafiq, Qaisar Irshad, Waqar Shahzad Hashmi, Hafiz Muhammad Sajawal, , Muhamma Rizwan, Sadaf Naseer, Muhammad Younis, Khalil Ahmad, and Muhammad Shahzad. 4th International conference on Innovative Biological and Public Health Research (IBPHR-2021) December 07-08, 2021, **WT-02**.
 40. Preparation of *Citrullus colosynthis* extract against gram-positive bacteria. Waqar Shahzad Hashmi, Irfan Baboo, Hamid Majeed, Ahsan Shafiq, Hafiz Muhammad Sajawal, Qaisar Irshad, Muhammad Tausif Shahid, Hamna Iqbal, Gul Zahra Khan, Hafiza Rimsha Sehar, Naila Khanum, Ifrah Manzoor. 4th International conference on Innovative Biological and Public Health Research (IBPHR-2021) December 07-08, 2021, **PO-25**.
 41. Preparation and characterization of *Azadirachta indica* (Neem) leaf extract Nano-emulsion as Anti-bacterial agent. Hafiz Muhammad Sajawal, Irfan Baboo, Hamid Majeed, Qaisar Irshad, Waqar Shahzad Hashmi, Muhammad Tausif Shahid, Gul Zahra Khan, Hafiza Rimsha Sehar. 4th International conference on Innovative Biological and Public Health Research (IBPHR-2021) December 07-08, 2021, **PO-27**.
 42. ORAL presentation with the theme "Citrullus Colocynthis Loaded nanoemulsions as Dip

Coatings to Avoid Lemon (*Penicillium Digitatum*) Fungal Decay" was presented at the 19th International Scientific Research Congress (UBAK) Turkia held between 16 - 17 March 2024.

Books Published



Ecology And Population of
Birds of Changa Manga
Forest, Pakistan



1. **Irfan Babu, Z. Ali and M. Altaf, 2013. Ecology and Population of Birds of Changa Manga Forest, Pakistan. LAP. ISBN# 978-3-659-42259-1**

WORKSHOPS, SEMINARS & CONFEREMCES

- Certificate of Organizer on One Day Seminar on **“Exploring The Clues of Fish Skin Mucus Against Pathogenic Microbes”** in CUVAS, Bahawalpur. 5th december 2025
- Certificate of Organizer for organizing the **“International Seminar on Paleontology”** in Cholistan Institute of Biological Sciences, CUVAS, Bahawalpur. 2025
- Certificate for organizing **“World Wildlife Day”** Organized by Department of Zoology, CUVAS, Bahawalpur on March 5, 2024.
- Certificate of Appreciation for valuable contribution towards Panel Discussion and Organization of Symposium on Sustainable Aquaculture: **Sustaining the Blue Economy in a Green Future** in Department of Zoology, CUVAS, Bahawalpur on August 29, 2024.
- Certificate of Organizer on Two Days Workshop on **“A Framework for Desert Biodiversity and Sustainable Ecosystem”** on September 26th-27th, 2024 in CUVAS, Bahawalpur.
- Certificate of Apprciation of **“17th International Medicine and Health Sciences Researches Congress (UTSAK)** on 19th -20th October, 2024.
- Certificate of Appreciation on supervising PhD student Muhammad Jabbar who published Research Papers in High Impact Factor Journals (Poultry Science by Elsevier & Animals by MDPI) as PhD Scholar in the Department of Zoology, CUVAS, Bahawalpur on 29/10/2024.
- Certificate of Organizer for organizing the Two day Workshop on **“A Framework for Desert Biodiversity and Sustaniable Ecosystem”** September 26th-27th, 2024 in Department of Zoology, CUVAS, Bahawalpur, Punjab Pakistan.
- Certificate of Appreciation on participation for valuable contribution towards Penal Discussion and Organization of **“Symposium on Sustanable Aquaculture: Sustaning the Blue Economy in Green Future”** organized by Department of Zoology, CUVAS, Bahawalpur August 29th, 2024.
- Certificate of Appreciation on participation in **“Mango Dish Making Show-2024”** organized by Department of Food Science & Technology, Faculty of Food & Home Sciences MNS- University of Agriculture Multan at 26-27th July 2024.

- Chief organizer for conducting a seminar/Walk on World wildlife day on March 5th, 2024 at CUVAS, Bahawalpur Pakistan.
- Certificate of Attendance in 19th International Scientific Research Congress- Science and Engineering-(UBAK) held Between 16-17 March 2024 at Turkia with Oral Presentation entitled “Citrullus Colocynthis loaded nannoemulsion as Dip Coating to Avoid Lemon (*Penicillium digitatum*) Fungal Decay”
- Certificate of participation in an International Multidisciplinary Conference on “Innovations in Biochemistry, Veterinary Medicine and Pharmacology organized in collaboration with higher Education Commission (HEC) on February 06-07, 2023 at Cholistan University of Veterinary and Animal Sciences, Bahawalpur Pakistan
- This is to certify that Mr. Baboo Irfan from Pakistan has completed “Seminar on Capacity-building for Officials from Parties Implementing CITES (Online)” sponsored by Ministry of Commerce, P. R. China and organized by China National Bamboo Research Center of National Forestry and Grassland Administration, P. R. China from August 18th August 31th, 2023. By Ministry of Commerce People's Republic of China September 5, 2023
- Participation in the International Veterinary Conference On Small Animals And Birds held on 5th November, 2023 organized by East Windsor Animal Hospital New Jersey United States Of America , Youth Parliament Punjab Cabinet Pakistan and VCS UVAS Lahore Pakistan with collaboration of Riphah International University Lahore , UVAS Lahore and CUVAS Bahawalpur
- Certificate on participation in Innovation in Biochemistry, Veterinary Medicine and Pharmacology, Organized in collaboration with HEC and CUVAS held on February 06-07, 2023 at CUVAS, Bahawalpur.
- Participate as Guest Speaker in 100th Anniversary of the Republic Turkey, International Egeagriculture Congress, November 01-03, 2023, Ege University, Izmir-Türkiye. Neem (*Azadirachta Indica*) extract and nano- emulsion loaded anti-pest tablets to tackle wheat pest (online)
- Certificate of organized the World Wildlife day at Department of Zoology on 3rd March 2022.
- Certificate on participation in 4th Annual Interfaculty students Sports Gala at CUVAS, Bahawalpur held on March 7-15, 2022.
- Certificate on participation in International Conference on **New Trends in Biological Sciences** held on March 21-22, 2022 at University of Okara, Punjab Pakistan.
- Participated as **Invited Speaker** in International Conference on **New Trends in Biological Sciences** held on March 21-22, 2022 at University of Okara, Punjab Pakistan.
- **ORAL presentation** with the theme "Bioactives and antioxidant assessment of Red peppers (*Capsicum annum L.*) upon polycarbonate greenhouse drying for enhanced immunity" 15th International Scientific Research Congress (UBAK) Turkey on held ONLINE, 17-18 December 2022.
- **ORAL presentation** with the theme “Halophytic Citrullus colocynthis L. loaded nickel nanoparticles and their application as anti-bacterial” 16th UBAK, Ankara, 11/12 March 2022.
- Certificate Recognizes the Participation as a Judge at Hult Prize at CUVAS, Bahawalpur helod on March 15th 2021.

- 1st International Conference on Modern trends in Human and Social Sciences (ICMTHSS) on August 03-05, 2021, Organized by Academic Research & Policy Development Foundation (ARPDF) Islamabad hosted by at KFUEIT RYK.
- Certificate of winning Egg Spoon Race on the eve of World Egg Day organized by Department of Poultry Science, CUVAS, Bahawalpur held on October 9, 2020.
- Certificate of Participation in “International Fisheries & Aquaculture Conference January 30-31, 2019 organized by Department of Fisheries and Aquaculture, University of Veterinary and Animal Sciences Lahore.
- Certificate of Completion of 1st International Workshop on Biodiversity: Techniques and Tools, as part of “Exhibition on Biodiversity Conservation of Cholistan Desert” held on April 04-05, 2019 organized by Department of Zoology, Cholistan University of Veterinary and Animal Sciences, Bahawalpur.
- Certificate for Participation in One day Seminar on Applications of Silk Sericin in Medical Science and Industry at September 20, 2019, Department of Zoology, Government College University, Lahore
- Certificate of Participation and Appreciation in One Day Workshop on Isolation of Silk Sericin and its Application in Textile and Leather Industry on November 13, 2019.
- Certificate of Participation in 3rd International Conference on Innovative Biological and Public Health Research (IBPHR-2019) held on November 13-14, 2019 at GC University, Lahore, organized by Department of Zoology, GC University Lahore.
- One day seminar on World Otter’s day Celebration held on June 01, 2018 at Government College University, Lahore.
- Certificate of participation awarded in 6th International Fisheries Symposium & Expo-2017 “Innovation and Sustainable Aquaculture for Blue revolution” 8-9th February, 2017 at Faletti’s Hotel, Egerton Road, Lahore.
- Certificate awarded for Poster Presentation in 6th International Fisheries Symposium & Expo-2017 “Innovation and Sustainable Aquaculture for Blue revolution” 8-9th February, 2017 at Faletti’s Hotel, Egerton Road, Lahore.
- Certificate for Participation in 37th Pakistan Congress of Zoology (International) Organised by Govt. College University, Faisalabad on February 28- March 2, 2017
- One day international workshop on DNA barcoding(barcode of life data system) on December 20, 2017 by department of botany and zoology GC university, Lahore
- 2nd international conference on innovative biological and public health research (IBPHR) on December 06-07, 2017 organised by Department of Zoology, GC University Lahore.
- Two days National Workshop “Handling and Restraining of Migratory Birds With Tick Identification” on 22nd- 23rd November 2017 organized by University of Veterinary and Animal Sciences, Lahore.
- Certificate of Participation Successful Completion of Four-days Workshop on Capacity Building of Young Researchers from 15th June to 18th June, 2015 Department of Poultry Production, Faculty of Animal Production and Technology, Ravi Campus, UVAS Lahore.
- Award of Certificate on Completion of DOM (Diploma in Office Management) The components of this course were MS Word, MS Excel, MS Power Point, Internet and Microsoft Windows 2000 & XP by The Aims College of Sciences Pattoki.

- Certificate on participation and made Oral Presentation in 33rd Pakistan Congress of Zoology (International) Jointly Organized by Pakistan Museum of Natural History, Islamabad and PMAS Arid Agricultural University, Rawalpindi April 2-4, 2013.
- Award of Laptop on the basis of merit by Govt. of the Punjab under the Shahbaz Sharif Youth Initiative (2012).
- Certificate is awarded as Excellent Teacher at Malik Meraj Khalid Excellence Award 2009 by Superior Group of Colleges at Okara.
- Certificate of Honor for the Participation, postgraduate Student Orientation Program of two weeks held at UVAS Lahore, from 15th to 27th September, 2008.
- Ramsar Sites of the Pakistan, Present at the UVAS, Wildlife and Ecology, Lahore
- Behavior of the Birds, Present at the UVAS, Wildlife and Ecology, Lahore
- Anthropogenic Impact on the birds, Present at the UVAS, Wildlife and Ecology, Lahore

TRANINGS

- Certificate for successfullu completing the **Cascading Training Session: “STEM Faculty Training under PAK-UK Education Gateway”** on October 28th- 30th, 2025 in CUVAS, Bahawalpur.
- Certificate for organizing **“Training Workshop on Self Assessment Report (SAR) Based on PREE for Program Team”** on April 09, 2025 in CUVAS, Bahawalpur.
- Certificate for successfully completing the One-Day Training on **“Use of Generative Artificial Intelligence in Higher Education”** organized by Punjab Higher Education Commission on **Janaury 25, 2024**
- Certificate of active participation & successful completion of One Day Hands on Training Workshop “ Biorisk Management in Biological Labs” organized by Department of MicroBiology, Cholistan University of Veterinary and Animal Sciences (CUVAS), Bahawalpur in collaboration with Pakistan Biological Safety Assoiciation (PBSA) Punjab Chapter on December 20th, 2019.
- Certificate of Participation in Two day Hand-on Training Workshop on “Sangar Sequencing Data Analysis” Organized by Department of Wildlife and Ecology, University of Veterinary and Animal Sciences, Ravi Campus held on 10th- 11th April, 2019.
- Certificate for successful completion of two-day workshop on “In-Service Competency Enhancement Training for University Faculty” (Batch 2) 25th -26th April 2019, in Collaboration with Center of Education Policy and Administration, UVAS.
- One day Hands-on Training Taxidermy Techniques on February 13, 2018, organized by Department of Wildlife and Ecology, University of Veterinary and Animal Sciences, Ravi Campus Pattoki.
- Certificate of Participation in One day Training Workshop for Private Wildlife Breeding Farmers/Breeders on 27th June, 2018 Organized by Punjab Wildlife Research Center, Gatwala, Faisalabad under: “Capacity Building of Research & Training in Wildlife Discipline Project”.
- Certificate awarded for participation in One week Workshop on “technical Training & skill Development in Animal Keeping” sponsored by University of the Punjab and British Council held in Pearl Continental Hotel, Lahore from 27th to 31st March 2017.

- Certificate for Participation in Hands-on Training Workshop on Biosafety and Biosecurity: Principles and Practices April 21, 2017 organized by Pakistan Biological Safety Association & Virtual University of Pakistan, Lahore.
- Certificate of Participation in 2-days Hands-on-Training on Ostrich Farming organized by Department of Wildlife and Ecology & Pakistan Ostrich Company held from 20-21 April 2016 at University of Veterinary and Animal Sciences, Ravi Campus, Pattoki.
- Certificate of Participation in 3-days Hands-on-Training in “Animal Stuffing & Taxidermy Techniques” from June 24-26, 2015 jointly organized by Department of Wildlife and Ecology, University of Veterinary and Animal Sciences, Lahore Pakistan, UVAS Wildlife Society, Pakistan Wildlife Foundation and Kalabagh Wildlife Foundation.
- Certificate of Participation in 3-Days Hands-on-Training as in BUTTERFLIES / INSECTS COLLECTION & PRESERVATION TECHNIQUES from November 4-6, 2015 Jointly organized by Pakistan Wildlife Foundation, Kalabagh Wildlife Foundation and Department of Wildlife and Ecology, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Certificate of Participation in Training of Presiding Officers and Senior Assistant Presiding Officers Local Govt. Election, Punjab 2015 organized by the Election Commission of Pakistan dated 19-10-2015.
- Certificate of Participation in Conference and Training Workshop on Techniques for Biodiversity Assessment and Aerobiological Monitoring for ecosystem Health Sponsored by University of the Punjab held on 6th Feb- 7th Feb 2015.
- Certificate of Participation in One day Training of Presiding and Assistant Presiding Officers Organized by Election Commission of Pakistan at Govt. Degree College Pattoki 25-04-2013.
- Certificate of Participation in Teacher Training Workshop on Adolescent Health conducted by Sahil on 07-07-2013 at District Kasur.
- Application and use of GIS and Remote sensing (Pakistan Wildlife Foundation, 2011) at University of the Punjab, Lahore
- Certificate on 6 days training session of Continuous Teachers’ Development Program Conducted by Punjab Education Foundation during 6th July to 13th 2009 under Continuous Professional Development Program, Promoting Quality Education Through Capacity Building of Teachers.
- Certificate for two day Training of Presiding Officers at Govt. College Pattoki conducted by Support to National Elections in Pakistan, UNDP & Election Commission of Pakistan 2008.
- Certificate on successful completion of two weeks short training course entitled Wetland’s Ecology, Bird Watching, First Aid Treatment for Animals Herpetofauna Key to Pakistan (2009) (International), University of Veterinary and Animal Sciences Lahore, Awarded by DelpHE.

MEMBERSHIP (NATIONAL AND INTERNATIONAL ORGANIZATION)

- Fellow of Zoological Society of Pakistan (2009).
- World Wild Fund (WWF-International)
- Life Fellow, UVAS Wildlife Society
- UVAS Alumni Association (Lifetime Membership)

- Member Board of Studies, University of Okara,

NEWSPAPER ARTICLES

1. Significance of turkeys. The Business Lahore. May 18, 2016. Page No. 2 (By Irfan)
2. مرغی بانی کی صنعت میں پیداوار بڑھانے کے لیے نینو ایمیشن جیسی جدید ٹیکنالوجی کا استعمال
3. صحت بخش برائلر کی پیداوار میں تیل سے بنے ہوئے نینو ایمیشن کا انقلابی کردار
4. Nanoemulsi Minyak Atsiri sebagai Penguat Pertumbuhan dan Kesehatan Ayam Pedaging, Oleh: Muhammad Jabbar (PhD. Scholar Department of Zoology Cholistan University of Veterinary and Animal Sciences Bahawalpur) & Dr Irfan Baboo Diterjemahkan dan diedit kembali oleh: Dr Ir Sadarman (Wartawan Infovet Daerah Riau), KESEHATAN HEWAN, Edisi 365 - Desember 2024, Infovet Magzine Indonesia.

REFERENCES

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