

Curriculum Vitae

DR.SAJID UMAR



PERSONAL DATA

Date and Place of Birth: 03-07-1985, Kasur, Pakistan
Citizenship: Pakistan (CNIC No. 35102-1110427-9)
Marital Status: Married
Passport: AZ2224272
Current Address: Department of Pathology, Faculty of Veterinary and Animal Sciences
Pir Mehar Ali Shah Arid Agriculture University, Rawalpindi, Pakistan
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EDUCATION

Dec 2017-till date **Post Doctorate training**
University of Istanbul Turkey
2014-2017 **Ph.D**
Host Pathogen interaction and vaccinology, INRA UMR 1225, 23
Chemin des capelles 31076, National Veterinary School of Toulouse
France (www.envt.fr)
2009-2011 **M. Phil – Pathology**
University of Veterinary and Animal Sciences, Lahore, Pakistan
(www.uvas.edu.pk)
2003-2008 **D. V. M**
University of Veterinary and Animal Sciences, Lahore, Pakistan
(www.uvas.edu.pk)
2014-2015 **TOEIC** (English language diploma)
Conducted by Educational Testing Service (ETS) at University of Paul
Sabatier Toulouse France

PROFESSIONAL EXPERIENCE

January 2012 to present **Lecturer**
Department of Pathology, Faculty of Veterinary and Animal Sciences Pir
Mehar Ali Shah Arid Agriculture University, Rawalpindi, Pakistan
Feb. 2009 to July 2011 **Teaching assistant**
Department of Pathology, Faculty of Veterinary and Animal Sciences
University of Veterinary and Animal Sciences, Lahore, Pakistan
June 2008 to Dec 2008 **Internee**
Department of Pathology Research project “ seroprevalence of viral
respiratory diseases in Punjab Pakistan”
15 Sept-6 Oct 2014 Diploma in Laboratory Animal use and Protection National Veterinary
school Toulouse France

HONOURS AND AWARDS

2009 to 2011	Gold medallist in M.Phil (Master of Philosophy in Pathology) from University of Veterinary and Animal Sciences, Lahore (CGPA 4.00/4.00)
2003 to 2009	Gold medallist in DVM (Doctor of Veterinary Medicine) from University of Veterinary and Animal Sciences, Lahore (CGPA 3.96/4.00)
2008-2009	Star award for best student year 2008 South Asia Publication, Karachi-Pakistan
2000 to 2012	Merit Scholarship holder throughout the academic carrier Editorial member / academic editor for Science letter, Veterinaria
2015-present	(thesciencepublishers.com)
2014-2017	Winner of Scholarship from Higher Education Commission of Pakistan for Ph.D in France

COMPETENCIES

Driven by the ability to improve the health of animals and humans; focus on knowledge utilization, self starter and able to work both independently and in a team to follow protocols and to adhere to safe working practices. Result-oriented, perseverance, teamwork approach, good planner and organizational skills. Scientific and practical knowledge of standard molecular techniques in the areas of avian virology, pathology, diagnosis and viral therapies. Design and execution of experiments to meet the requirements of the project. Experience in carrying out research or R & D projects in relevant areas. Good communication skills including ability in record-keeping and experience of using a range of computer software. Experience in writing scientific reports and manuscripts for publication in peer-reviewed journals.

SKILLS

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|---|------------------------------------|
| 1) Sample collection and preservation | 10) Real time RT PCR |
| 2) Necropsy examination of birds | 11) Interferon quantification |
| 3) Haemagglutination assays | 12) Genome sequencing and analysis |
| 4) Virus isolation and identification | 13) ELISA |
| 5) Bacteria isolation and identification | 14) Histopathology |
| 6) DNA/RNA and/or protein extraction/quantification | 15) Immuno-histochemistry |
| 7) Conventional PCR/ Primer design | 16) SPSS |
| 8) Cell culture techniques | 17) BioEdit, MEGA6 |
| 9) Gel Electrophoresis | 18) Excellent communication skills |

GRANTS AND SCHOLARSHIP

2017-2018	Post Doctorate training University of Istanbul Turkey
2014-2017	Ph.D fellowship funded by Higher Education Commission (HEC) Pakistan and National Institute of Agricultural Research (INRA) France

Supervisors: Dr. Maxence Delverdier /Dr.Mariette Ducatez

Topic of research: Avian influenza and co-infections: investigation of the interactions in the poultry model"/Molecular epidemiology of avian respiratory pathogens in Pakistan (2014-2017).

- Responsible for setting up and optimizing in vivo models for avian influenza virus replication and interaction
- Samples collection from poultry in field and processing for molecular diagnosis
- Assist in equipping and commissioning an onsite biosafety Level 3 laboratory
- Planning, conducting, analysis and documentation of experiments in accordance with Safety and operating guidelines
- Regular progress reports in the form of oral presentations
- Establishing and maintaining collaborations with internal and external partners
- Writing, proof reading and editing of manuscripts for subsequent publication in scientific Journals (in English)Setting up and optimizing new assays

2009-2011

Master fellowship funded by Higher Education Commission (HEC) Pakistan

Supervisor: Dr. Muhammad Younus

Research topic: Toxicopathological and immunosuppressive effects induced by concurrent exposure of AflatoxinB₁ and Ochratoxin A in broilers

- Planning, execution, analysis and documentation of experiments
- Production, quantification of mycotoxins, histopathology analysis, serological and haematological analysis

PUBLICATIONS (Total citations:201;Total Impact factor 51.31;*corresponding author)

No	Title	Journal's name	Impact factor
1	Sajid Umar, Jean Luc Guerin, Mariette F. Ducatez (2017) Low pathogenic avian influenza and co-infecting pathogens: a review of experimental infections in avian models. Avian Diseases. 61:3-15	Avian Diseases	1.109
2	Sajid Umar* , Sadia Sarfraz, Aqsa Mushtaq , Muhammad Attique (2016) Emerging threat of H9N2 viruses in poultry of Pakistan and vaccination strategy. World's Poultry Science Journal. 72(2): 343-352	World's Poultry Science Journal	1.09
3	Sami Ullah, Nosheen Riaz, Muhammad Ali A. Shah, Sajid Umar (2013). DNA Vaccines against Avian Influenza: current research and future prospects. World's Poultry Science Journal,69 :125-134	World's Poultry Science Journal	1.158
5	Salman Ahmed Abid, Tamoor Azeem, Waqas Ahmad, Zafar Iqbal Chaudhry and Sajid Umar* (2016) Insights into the role of turkeys as potential intermediate host for influenza viruses. World's Poultry Science Journal 72(3): 585-596	World's Poultry Science Journal	0.978
6	Sajid Umar*, Kiran Aqil, Rizwan Qayyum, Muhammad Younus, Qamar-un-Nisa, Shahzad Ali, Muhammad Ali Shah, Muhammad Irfan, Muhammad Yaqoob (2016) Haematology and Blood Chemistry references values for clinically healthy Red-wattled Lapwing (Vanellus indicus). European Journal of Wild life Research. 62: 797. doi:10.1007/s10344-016-1052-7	European Journal of Wild life Research.	1.6
7	Sajid Umar*, Muhammad Ali Abdullah Shah, Muhammad Tanveer Munir (2016) Infectious bronchitis virus: Evolution and vaccination. World's Poultry Science Journal. 72(1):49-60	World's Poultry Science Journal.	1.09
8	Sajid Umar*, Maria Arif Muhammad Ali Abdullah Shah, Muhammad Tanveer Munir, Saeed Ahmed, Muhammad Irfan Khan (2015) Application of Avian cytokines as immuno-modulating agents: a review. World's Poultry Science Journal, 71:643-653	World's Poultry Science Journal	1.09

9	Sajid Umar*, Hafsa Sabir, Aftab Ahmed, Sabir Subhan (2016) Avian metapneumovirus infection in poultry: an updated review. World's Poultry Science Journal 72 (4):833-846. doi 10.1017/1 S0043933916000	World's Poultry Science Journal.	0.974
10	Sajid Umar, Muhammad Tanveer Munir, Umair Ahsan, Ifrah Raza, Mohammed Rashed Chowdhury, Zulfiqar Ahmed, Muhammad Ali Abdullah Shah (2017) immunosuppressive interaction of immunosuppressive diseases in poultry World's Poultry Science Journal 72 (4): 121-135	World's Poultry Science Journal	0.974
11	Zaib ur Rehman, Muhammad Munir, Sajid Umar 2016 Interaction of infectious bursal disease virus with the immune system of poultry. World's Poultry Science Journal 72 (4) 805-820	World's Poultry Science Journal	0.974
12	Sajid Umar*, Ana triana Maiyah, Aqsa Mushtaq (2016) Campylobacter infections in poultry: update on challenges and potential immune interventions. World's Journal of poultry Sciences. 72(2): 381-390	World's Journal of poultry Sciences.	1.09
13	Sajid Umar, Sami Ullah, Muhammad Yaqoob, Muhammad Ali Abdullah Shah (2014) Chicken infectious anemia, an immunosuppressive disease of poultry birds (2014) World's Poultry Science Journal,70:759-766.	World's Journal of poultry Sciences.	1.09
14	Sajid Umar*, Muhammad Tanveer Munir, Sabir Subhan, Tariq Azam, Muhammad Ali Abdullah Shah (2017) Mycoplasmosis in poultry: update on diagnosis and preventive measures. World's Poultry Science Journal,72(4): 17-28	World's Journal of poultry Sciences.	1.09
15	Umair Ahsan, Ifrah Raza, Sajid Umar (2016) Sodium butyrate in chicken nutrition: the dynamics of performance, gut microbiota, gut morphology, and immunity. World 's Journal of poultry Sciences. 72(2):265-276 .	World 's Journal of poultry Sciences.	1.09
16	Muhammad Ali Abdullah Shah, Sajid Umar M.F. Iqbal, F. Rehman, I. Qadri, and N. He (2014) Recent advances in DNA vaccination against coccidiosis World's Poultry Science Journal,70:315-328	World 's Journal of poultry Sciences.	1.09
17	Sajid Umar, Muhammad Younus, Hafiz Umar Arshad, Muhammad Ali Abdullah Shah, Imtiaz Ahmad Khan Muhammad Numan and Farooq Tahir (2015) Recent Advances in Vaccination Strategies and Future Perspectives for the Control of Newcastle Disease in Pakistan: A Review. International Journal of Veterinary Science, 4: 136-141	International Journal of Veterinary Science	-----
18	Sajid Umar* Muhammad Irfan Khan, Saeed Ahmed, Muhammad Usman, Muhammad Younus, Fozia Sarwar, Shahzad Ali, Qamar-un-Nisa (2016) In vitro and in vivo sensitivity of a Flagellated protozoan, Histomonas meleagridis to metronidazole and nitarsone. Pakistan Journal of Zoology, 48(1):209-214	Pakistan Journal of Zoology	0.478
19	Sajid Umar*, Muhammad Irfan Khan, Muhammad Younus, Muhammad Yaqoob, Qamar-un-Nisa (2016) A Report on An outbreak of botulism in broilers in Pakistan. Pakistan Journal of Zoology,48(1):298-300.	Pakistan Journal of Zoology	0.478
20	Sajid Umar*, Muhammad Irfan Khan, Muhammad Younus, Kiran Aqil, Rizwan Qayyum, Muhammad Yaqoob, Muhammad Tanveer Munir, Muhammad Ali Abdullah Shah (2017) Safety of Fenbendazole in common peafowl (<i>Pavo cristatus</i>) Pakistan Journal of Pharmaceutical sciences. 31(1) : 159-167.	Pakistan Journal of Pharmaceutical sciences	0.681
21	Sajid Umar*, Muhammad Irfan Khan, Muhammad Younus, Kiran Aqil, Rizwan Qayyum, Muhammad Yaqoob, Muhammad Tanveer Munir, Muhammad Ali Abdullah Shah (2017) Susceptibility of avian pathogenic <i>Escherichia coli</i> from zoo birds in Indonesia to antibiotics and disinfectants. Pakistan Journal of Pharmaceutical sciences.31(1) : 593-598	Pakistan Journal of Pharmaceutical sciences	0.681
22	Fozia Sarwar, Muhammad Usman, Sajid Umar, Mehdi Hassan, Abdul Rehman, Abdul Rashid (2015). Some Aspects of Backyard Poultry Management Practices in Rural Areas of District Rawalpindi, Pakistan. International Journal of Livestock research. 5:5,14-20	International Journal of Livestock research	-----
23	Muhammad Ali A. Shah, Sajid Umar, Zeeshan Ali, Haowen	Journal of Nanoscience	1.556

	Yang, Keke Liu and Lanlan Mao. Applications of Nanoparticles for DNA Based Rabies Vaccine (2014). Journal of Nanoscience and Nanotechnology 14:1-11.	and Nanotechnology	
24	Muhammad Ali Abdullah Shah, Sajid Umar, Muhammad Tanveer Munir (2016) Pootential of magnetic nanoparticles for hepatitis B virus detection. Journal of Nanoscience and Nanotechnology 16: 2112-12123.	Journal of Nanoscience and Nanotechnology	1.556
25	Sajid Umar, Bilal Ahmad, Muhammad Younas Rana, Jabar Zaman Khan Khattak and Muhammad Imran Shabbir Hepatic. (2014). Dysfunction in Patients Infected with Dengue Virus. Journal of the College of Physicians and Surgeons Pakistan , 24 (1): 73-74	Journal of the College of Physicians and Surgeons Pakistan	0.353
26	Sajid Umar, Abida Arshad, Bilal Ahmad and Muhammad Arshad (2013) Clinico-biochemical and hematological changes in broilers induced by concurrent exposure to Aflatoxins B1 and Ochratoxins A (2012). Journal of Public Health and Biological Sciences, 1: 79-85	Journal of Public Health and Biological Sciences	---
27	Sajid Umar, Asif Ali, Muhammad Younus, Muhammad KashifMaan, Shahzad Ali, Waseem Ahmad Khan and Muhammad Irfan (2015) Prevalence of Canine Parvovirus infection at different Pet clinics in Lahore, Pakistan Pakistan Journal of Zoology, 47:2148-14.	Pakistan Journal of Zoology	0.478
28	Hafiz Aftab Ahmed,Asif Ali, Akbar Ali, Muhammad Tanveer Munir, Sajid Umar (2016) Surgical correction of intermittent unilateral hind limb extension in cattle and buffalo. Pakistan Journal of Zoology. 49(2) 717-719.	Pakistan Journal of Zoology	0.478
29	Muhammad Irfan Khan, Saeed Ahmed, Abdur Rahman, Fayyaz Ahmad, Anjum Khaleeq, Nisar Ahmad, Sajid Umar, Sami Ullah, Burhan E Azam (2015) Comparative efficacy of urea and slow-release non-protein nitrogen on performance of Nili-ravi buffalo calves Pakistan Journal of Zoology,47:1097-1102.	Pakistan Journal of Zoology	0.478
30	Shahzad Ali, Shamim Akhter, Ali Muhammad, Iahtasham Khan, Muhammad Naem Iqbal, Sajid Umar, Haroon Ahmed and Qurban Ali (2016) Identification, Characterization and Antibiotic Sensitivity of Aeromonashydrophila, a Causative Agent of Epizootic Ulcerative Syndrome in Wild and Farmed Fish from Pothwar, Pakistan. Pakistan Journal of Zoology.48(3)-899-901	Pakistan Journal of Zoology	0.478
31	Saeed Ahmed, Muhammad Mehran, Anjum Khaliq, Khalid Javed, Abdur Rahman, Sajid Umar, Sami Ullah (2015) Cumulative effect of phytase and vitamin D supplementation on performance and bone mineralization in broiler, Eurasian Journal of Veterinary Sciences. 31: 2, 102-108	Eurasian Journal of Veterinary Sciences	-----
32	Zaib Ur Rehman, Tayyab Aziz, Shaukat Ali Bhatti, Gulraiz Ahmad, Jamil Kamran, Sajid Umar (2016) Effect of Beta Mannanase on the Performance and Digestibility of Broiler. Asian Journal of Animal and Veterinary Advances. 11(7) 393-398	Asian Journal of Animal and Veterinary Advances	0.869
32	Khaled Kaboudi Sajid Umar*. Muhammad Tanveer Munir (2016) Prevalence of coccidiosis in free-range chicken in Sidi Thabet Tunisia. Scientifica. Volume 2016, Article ID 7075195, HTTP://DX.DOI.ORG/10.1155/2016/707519	Scientifica	-----
34	Salman Ahmed Abid, Tamoor Azeem, Sajid Umar* (2016) Emerging threat of necrotic enteritis in poultry and its control without use of antibiotics: a review. Journal of Plant and Animal Sciences, 26 (6) 1556-1667	Journal of Plant and Animal Sciences,	0.422
36	Sajid Umar*, Mudassar Iqbal, Abdul Hameed Khan, Aqsa Mushdaq Kiran Aqil, Tariq Jamil Sajjad Asif, Nayab Qamar, Asad Shahzad And Muhammad Younus (2017) <i>Ornithobacterium rhinotracheale</i> infection in red wattled lapwings (<i>vanellus indicus</i>) - a case report from Pakistan. Veterinarski arhiv doi: 10.24099/vet.arhiv.160519b	Veterinarski Arhiv	0.321
37	M.Yaqoob, L. P. Wang, J. Memon, J. Kashif, S. Umar, Z. Naseer, M. F. Iqbal, M. fiaz, C. 3 P. Lu (2017) Role of topoisomerase mutations, plasmid mediated resistance (<i>qnr</i>) and <i>acrAB</i> 1 efflux pump in fluoroquinolone resistant	Journal of Molecular genetics, Microbiology and virology	0.182

	clinical isolates of avian <i>Escherichia coli</i> . Journal of Molecular genetics, Microbiology and virology.32 (1):49-54		
38	Javed Iqbal, Nasir Mukhtar, Zaib ur Rehman, Tanveer Ahmed, Riaz Hussain Pasha, Sajid Umar (2016) Egg quality, incubation characteristics and subsequently broiler performance: effect of egg weight of Hubbard classic broiler breeders. The Journal of Applied Poultry Research. http://dx.doi.org/10.3382/japr/pfw061	The Journal of Applied Poultry Research	0.576
39	Muhammad Tanveer Munir, Zaib ur Rehman, Muhammad Ali Abdullah and Sajid Umar (2017) Interactions of <i>Aspergillus fumigatus</i> with the respiratory system in poultry. World's Poultry Science Journal. pp. 321-336. doi.org/10.1017/S0043933917000022	World's Poultry Science Journal	0.974
40	Muhammad Younus, Muhammad Tanveer Munir Tariq Jamil, Khaled Kaboudi, Zaib Ur Rehman, Sajid Umar Muhammad Ali Shah (2017) Viral hepatitis in chicken and turkeys. World's Poultry Science Journal 73: 379-394.	World's Poultry Science Journal	1.037
41	Shahzad Ali, Sajid Umar (2017) Seroprevalence And Risk Factors Associated With Bovine Brucellosis In The Potohar Plateau, Pakistan Bmc Research Notes,10:73 DOI 10.1186/s13104-017-2394-2	BMC RESEARCH NOTES	-----
42	Shahzad Ali, Heinrich Neubauer, Falk Melzer, lahtasham Khan, Shamim Akhter, Tariq Jamil, Sajid Umar (2017) Molecular identification of bovine brucellosis at selected private farms located in Pothohar Plateau, Pakistan. Pakistan Journal of Zoology, 49: 1111-1114.	Pakistan Journal of Zoology	0.478
43	Sajid Umar, Asif Ali, Muhammad Younus, Muhammad KashifMaan, Shahzad Ali, Waseem Ahmad Khan and Muhammad Irfan (2015) Prevalence of Canine Parvovirus infection at different Pet clinics in Lahore, Pakistan Pakistan Journal of Zoology, 47:2148-14.	Pakistan Journal of Zoology	0.478
44	Rehman, Z., S. Umar, C. Meng, Z. Ullah, F. Riaz, S. Rehman, and C. Ding. 2017. Dendritic cell harmonized immunity to poultry pathogens; a review World's Poultry Science Journal 73(3): 581-590.	World's Poultry Science Journal	1.037
45	Naila Shahid, Abdul Qayyum Rao, Pasoreck Elise Kristen, Muhammad Azam Ali, Bushra Tabassum, Sajid Umar, Sana Tahir , Ayesha Latif, Ammara Ahad, Ahmad Ali Shahid, Tayyab Husnain (2017). A concise review of poultry vaccines and future implementation of plant-based vaccines in poultry. World's Poultry Science Journal. 73(3): 471-482	World's Poultry Science Journal	1.037
46	Rehman, Z., S. Umar, C. Meng, Z. Ullah, F. Riaz, S. Rehman, and C. Ding. 2017. Mast cells and innate immunity: master troupes of the avian immune system. World's Poultry Science Journal 73(3): 621-632	World's Poultry Science Journal	1.037
47	Muhammad Luqman Sohail, Sajid Umar (2017) Cryptosporidium: An emerging zoonosis in Southern Khyber Pakhtunkhwa (KPK), Pakistan's Journal of zoology 49(4):1455-1461.	Pakistan Journal of Zoology	0.478
48	Kiran Aqil, Muti-ur-Rehman Khan, Rizwan Qayyum, Abdul Wahab Manzoor, Farkhanda Yasmeen, Muhammad Luqman Sohail, Sajid Umar (2017) Patho-biological studies of PPR virus in experimentally infected goats with reference to immunomodulatory activity of <i>Nigella. Sativa</i> seeds. Journal of Animal and Plant Sciences 28(2):474-484	Journal of Animal and Plant Sciences	0.422
49	Muhammad Usman, Fozia Sarwar, Sajid Umar, Sabir Subhan, Muhammad Luqman Sohail, Muhammad Younus, Muhammad Ali Shah (2017) A clinical Survey of viral respiratory diseases of commercial poultry in Pakistan. The J. Anim. Plant Sci. 27(6):2017	Journal of Animal and Plant Sciences	0.422
49	Kiran Aqil, Muti-ur -Rehman Khan, Asim Aslam, Aqeel Javeed, Rizwan Qayyum, Farooque Yousaf, Farkhanda Yasmeen, Muhammad Luqman Sohail, Sajid Umar (2017) <i>In vitro</i> Antiviral activity of <i>Nigella Sativa</i> against peste des petits ruminants (PPR) virus. Pakistan's Journal of zoology,(accepted) .	Pakistan journal of Zoology	0.478
50	Muhammad Shoaib, Song Xiaokai, Murtaz-ul-Hasan, Arif Zafar, Aayesha Riaz, Sajid Umar, Muhammad Ali Shah, Li	World's Poultry Science Journal	1.037

	Xiangrui (2017) Role of Dendritic cells in Immunity against Avian Coccidiosis. <i>World's Poultry Science Journal</i> . 73(4)" 737-746.		
51	Saeed Ahmed, Talat Naseer Pasha , Anjum Khaliq , Makhdom Abdul Jabbar , Abdur Rahman, Muhammad Amjad Ali , Sajid Umar and Muhammad Arshad (2016) Application of Different Chemical and Biochemical Treatments to Improve Nutritive Potential of Defatted Rice Polishing. <i>Pakistan Journal of life and social Sciences</i> , 14(1): 24-27	<i>Pakistan Journal of life and social Sciences</i>	-----
52	Sajid Umar*, Saeed Ahmed, Hassan Muhtaq (2015) Prevalence of Salmonella enteritidis in hatcheries and broiler retail outlets in Rawalpindi, Pakistan. EggMeat Symposia 2015 Nantes 10-13 may 2015. <i>World's Poultry Science Journal</i> , Volume 71, (Supplement 1), PP 111-112. [impact factor 1.09]	World's Poultry Science Journal	0.978
53	Umar,S (2017) Emergence of new sub-genotypes of Newcastle disease virus in Pakistan. <i>World's Poultry Science Journal</i> , 73(3): 567-580	World's Poultry Science Journal	1.037
54	Shakeela Daud, Nisar Ahmed, Sara Naudhan, Muhammad Wasim, Sajid Umar (2017) <i>In-silico</i> analysis of gene <i>ALS2</i> genetic variants identified in the affected horses and humans with motor neuron disease. <i>Journal of equine Veterinary Science</i> https://doi.org/10.1016/j.jevs.2017.06.007	Journal of equine Veterinary Science	0.88
55	Maan et al (2017) "Bovine's ocular squamous cell carcinoma: Clinico-pathological report of twenty five cases. <i>Pakistan's Journal of zoology</i> ,(accepted)	Pakistan's Journal of zoology	0.491
56	Qamar et al (2017) Pathological alterations during co-infection of Newcastle disease virus with <i>Escherichia coli</i> in broiler chicken <i>Pakistan's Journal of zoology</i> .50: 495-503	Pakistan's Journal of zoology	0.491
57	M. Hussain, M. Yaqoob , A. Riaz , S. Umar , J. Kashif, J. Memo and S. Shaheen (2017) Prevalence, bacteriology and antibiotic sensitivity profile of subclinical mastitis in goats in district Jhelum. <i>Pakistan Journal of Science</i> 69:(3):240-245	Pakistan Journal of Sciences	NA
58	Sajid Umar, Sajjad Asif, Aayesha Riaz, Abdul Ghafar, Muhammad Ali Abdullah Shah, Muhammad Luqman Sohail (2017) Isolation of <i>Mannheimia haemolytica</i> from layer hens showing clinical signs of fowl cholera. <i>Pakistan Veterinary Journal</i> .xx-xx (accepted)	Pakistan Veterinary Journal	0.813
59	Belkasm,S., S. Fellahi, S. Umar, M.Delpont, Delverdier, C. Lucas, Bleuart, Kichou, S. Na Nassik, J.L. Guerin, M. Ducatez, M. El Houadfi .2017. Efficacy of Massachusetts and 793B vaccines against Infectious Bronchitis Moroccan-Italy 2 02 Virus in specific pathogen free chicken and commercial broiler. <i>Avian Diseases</i> 61(4):466-471.	Avian diseases	1.109
60	Qamar et al (2017) <i>Mycoplasma gallisepticum</i> Modifies Virus Shedding and Immune Response of Newcastle Disease Virus in Broilers. <i>Indian Journal of animal research</i> . DOI: 10.18805/ijar.B-769	Indian Journal of animal research	0.147
61	Yasmin F, Yaqub T, Khan I, Shahzad W, Saeed Hashmi A, et al. Antiviral Activity of Thiazolide Derivatives Against Dengue Virus in Huh-7 Cell Line, <i>Jundishapur J Microbiol</i> . 2018 ;11(2):e62467. doi: 10.5812/jjm.62467.	Judishpur Journal of microbiology	1.017
62	Ali et al (2017) Detection of Brucella antibodies in selected wild animals and avian species in Pakistan <i>Indian Journal of animal research</i> . http://arccjournals.com/journal/indian-journal-of-animal-research/B-799	Indian Journal of animal research	0.147
63	Yaqoob and Sajid Umar et al (2017) Genetic characterization of phenicol resistant <i>Escherichia coli</i> and role of wild type repressor/regulator gene (<i>acrR</i>) on phenicol resistance. <i>Folia Microbiol (Praha)</i> . 2018 Jan 6. doi: 10.1007/s12223-017-0579-7	Folia Microbiologica	1.5
64	Kashif et al (2017) Dynamics Of Selenium Deficiency In Bovines In District Kasur, Punjab Pakistan DOI10.17582/journal.pjz/2018.50.2.611.617	Pakistan Journal of Zoology	0.491
65	Tamoor et al (2017) Hematobiochemical disorder	Pakistan Journal of	0.491

	investigation in camels suffering from different hemoparasites	Zoology	
66	Yasmin and Sajid Umar et al (2017) Cloning and Expression of Dengue NS3 Gene of Type 2 Dengue Virus of Pakistani Isolates. Journal of Veterinary Research 62, 17-26, 2018	Journal of Veterinary Research	0.491
67	Sohail, Sajid Umar, Muhammad Ali (2017) Sliver Nanoparticle-A Promising Anti-Mosquito's Agent: A Review Nanoscience & nanotechnology letters 9:1875-1890	Nanoscience & nanotechnology letters	2.2
68	Ahmad Naveed, Shahzad Ali, Haroon Ahmed, Sami Simsek, Muhammad Rizwan, and Sajid Umar (2018) "Seroprevalence And Risk Factors Of Toxoplasma Gondii In Wild Birds Of Punjab Province, Pakistan. Journal of Wildlife Diseases.	Journal of Wildlife Diseases.	1.355
69	Sajid Umar, Maxence Delverdier, Mattias Delpont, Sakhia F.Z. Belkasmi1, Angeliq Teillaud1, Celine Bleuart3, Isabelle Pardo, Mohammed EL Houadfi, Jean-Luc Guerin, Mariette F. Ducatez1 (2018) Co-infection of turkeys with E. coli (O78) and H6N1 avian influenza virus. Avian pathology 1-39. doi: 10.1080/03079457.2018.1449942.	Avian pathology	1.65 Total 51.31

Conference proceeding

S.Umar, A. Teillaud, H. Aslam, J.L. Guerin, M. Ducatez (2016) Molecular epidemiology of avian infectious bronchitis and metapneumoviruses in Pakistan (2014-2015) 9th International symposium on Avian corona- and pneumoviruses and complicating pathogens. Conference Proceedings Utrecht (Leusden, 21-24 June), The Netherlands, pp 104-105.

S Belkasmi, S. Fellahi, **S. Umar**, M.Delpont, Delverdier, C. Lucas, Bleuart, Kichou1, S. Na Nassik1, J.L. Guerin, M. Ducatez, M. El Houadfi at (2016) Protection conferred by H120 vaccine against IBV Moroccan Italy 02 in commercial broilers and SPF chickens 9th International symposium on Avian corona- and pneumoviruses and complicating pathogens. **Conference Proceedings** Utrecht (Leusden, 21-24 June), The Netherlands pp 51-52

PUBLISHED ABSTRACTS

- **Sajid Umar**, Muhammad Younus, Abdul Rehaman, Muhammad Ali Abdullah Shah, Muhammad Tanveer Munir, Qamar-un-Nisa Muhammad Yaqoob (2015) "Effects of Nigella Sativa on immune responses and pathogenesis of H9N2 viruses in turkeys" The potential for poultry production in developing countries held in Antalya Turkey
- **Said Umar**, Jean Luc Guerin, Mariette F. Ducatez (2015) Low pathogenic avian influenza virus experimental infection in the turkey model: effect of the route of inoculation on the course of disease .7th *Orthomyxoviridae* conference in Toulouse, France.
- **Sajid Umar**, Muhammad Younus, Muhammad Shahzad, Aqsa Mushtaq, Kiran Aqil (2015) "Pathological changes induced by *Clostridium perfringens* in experimentally infected turkeys" 1st International Conference on Necrotic Enteritis in Poultry Copenhagen, Denmark
- **Sajid Umar**, Muhammad Younus, Muti-ur-Rehman, Muhammad Ali Abdullah Shah, Muhammad TanveerMunir, Aftab Ahmad Anjum (2015) "Role of Aflatoxin toxicity on transmissibility and pathogenicity of avian influenza virus (H9N2) in turkeys" 8th Hafez International Symposium on Turkey production, Berlin Germany.
- **Said Umar**, Abdul Saeed, Muhammad Younus, Hassan Mushtaq (2015) Prevalence of *Salmonella enteritidis* in hatcheries And broiler retail outlets in Rawalpindi, Pakistan" XXII European Symposium on the Quality of Poultry Meat and XVI European Symposium on

the Quality of Eggs and Egg Products *Westotel, Nantes, France (World Journal of poultry Sciences vol 1, 2015)*

- **Said Umar**, Kiran Aqil, Rizwan Qayyum, Muhammad Younus (2014) Study on pathological changes induced by low pathogenic Avian Influenza (H9N2) viruses in fayoumi chicks and Turkeys” 10th “Hafez “International Symposium on Turkey Diseases in Berlin Germany
- **Sajid Umar**, M. Younus, Muhammad Ali Abdullah Shah, M.Irfan Mayo and Wajid Umar Pathology induced by current exposure of AfB1 and Ochratoxin A in broilers. All Pakistan Science Conference (10-12 Jan 2102) PMAS Arid Agriculture University Rawalpindi.

Sajid Umar, M. Younus, Muhammad Ali Abdullah Shah and Mutti-ur-Rehman Khan (2015) “Role of aflatoxins in the pathogenicity of low pathogenic avian influenza viruses in Turkeys” 10th “Hafez “International Symposium on Turkey Diseases in Berlin Germany

Sajid Umar, M. Younus, Mutti-ur-Rehman Khan, Aftab Ahmad Anjum, Saima Masood Qamar-un-Nisa (2011) Toxicopathological & Immunosuppressive effects in broilers induced by concurrent exposure to Aflatoxins B1 and Ochratoxins” published in National seminar and workshop on Environmental Toxicology and Health. UVAS, Lahore.

S Belkasm, S. Fellahi, **S. Umar**, M.Delpont, Delverdier, C. Lucas, Bleuart, Kichou1, S. Na Nassik1, J.L. Guerin, M. Ducatez, M. El Houadfi at (2016) Protection conferred by H120 vaccine against IBV Moroccan Italy 02 in commercial broilers and SPF chickens **9th** International symposium on Avian corona- and pneumoviruses and complicating pathogens, Utrecht (Leusden, 21-24 June), The Netherlands.

S. UMAR, A. Teillaud, H. Aslam, J.L. Guerin, M. Ducatez (2016) Molecular epidemiology of avian infectious bronchitis and metapneumoviruses in Pakistan (2014-2015) 9th International symposium on Avian corona- and pneumoviruses and complicating pathogens, Utrecht (Leusden, 21-24 June), The Netherlands.

Jamil Kamran, Zaib ur Rehman, **Sajid Umar**, Fawad Ahmed (2016) Comparative effect of different proteases in nutritionally marginal diet on the performance and nutrient utilisation of broilers. The proceedings of World’s poultry congress XXV 2016 Beijing China (page 230)

Javed Iqbal, Nasir Mukhtar, Zaib ur Rehman, Tanveer Ahmed, Riaz Hussain Pasha, **Sajid Umar** (2016) Egg quality, incubation characteristics and subsequently broiler performance: effect of egg weight of Hubbard classic broiler breeders. The proceedings of World’s poultry congress XXV 2016 Beijing China (page 586)

CONFERENCES/SYMPIOSIUMS

- **5-7 June 2014** Oral presentation on “Study on pathological changes induced by low pathogenic Avian Influenza (H9N2) viruses in fayoumi chicks and Turkeys” 10th “Hafez “International Symposium on Turkey Diseases in Berlin Germany
- 10-13 May 2015** poster presentation on“ Prevalence of *Salmonella enteritidis* in hatcheries And broiler retail outlets in Rawalpindi, Pakistan” XXII European Symposium on the Quality of Poultry Meat and XVI European Symposium on the Quality of Eggs and Egg Products *Westotel, Nantes, France*
- 28-30 May 2015** Oral presentation on“ Role of Aflatoxin toxicity on transmissibility and pathogenicity of avian influenza virus (H9N2) in turkeys” 8th Hafez International Symposium on Turkey production, Berlin Germany.
- 10-12 June 2015** oral presentation on “Pathological changes induced by *Clostridium perfringens* in experimentally infected turkeys” 1st International Conference on Necrotic

Enteritis in Poultry Copenhagen, Denmark

16-18th September 2015 Poster presentation on “Low pathogenic avian influenza virus experimental infection in the turkey model: effect of the route of inoculation on the course of disease .7th *Orthomyxoviridae* conference in Toulouse, France.

15-18 October 2015 oral and poster presentation on “effects of *Nigella Sativa* on immune responses and pathogenesis of H9N2 viruses in turkeys” The potential for poultry production in developing countries held in Antalya Turkey

26-28 May 2016 oral presentation on “Low pathogenic avian influenza virus experimental infection in the turkey model: effect of the route of inoculation on the course of disease 11th “Hafez” International Symposium on Turkey Diseases Berlin, Germany

21-24 June 2016 Poster presentation “Molecular Epidemiology of Avian Infectious Bronchitis and Metapneumoviruses in Pakistan (2014–2015) at 9th International symposium on Avian corona- and pneumoviruses and complicating pathogens, Utrecht (Leusden), The Netherlands.

21-24 June 2016 Poster presentation Protection conferred by H120 vaccine against IBV Moroccan Italy 02 in commercial broilers and SPF chickens at 9th International symposium on Avian corona- and pneumoviruses and complicating pathogens, Utrecht (Leusden), The Netherlands.

5-9 September 2016 oral presentation on Effect of the route of inoculation on replication of avian influenza virus (H9N2) and cytokine gene expression in Guinea fowls (*Numida meleagris*). At “ The XXV World’s Poultry Congress (WPC 2016) Beijing China)

NCBI GENBANK SUBMISSIONS

Abdul Ghafar, Muhammad Ali Abdullah Shah, Sajjad Asif, Sajid Umar (2012) Newcastle disease virus fusion gene partial sequences submitted in NCBI with accession Number (JX402750)

Sajid Umar, Sajjad Asif, Nayab Qamar, Muhammad Shahzad, Aqsa Mushtaq (2015) *Mannhamia haemolytica* 16SrRNA partial sequences submitted NCBI with accession number (KU051693)

Sajid Umar, Sajjad Asif, Nayab Qamar, Muhammad Shahzad, Aqsa Mushtaq (2015) *Ornithobacterium rhinotracheal* 16SrRNA partial sequences submitted NCBI with accession number (KU145143)

PUBLICATIONS IN NEWS PAPERS/MAGAZINES

Sajid Umar (2010) Liver, the central laboratory of chicken “The Veterinary News and Views,24 September, Faisalabad, Pakistan

Sajid Umar (2010) “Factors affecting egg production & quality “The Veterinary News and Views,24 September, Faisalabad, Pakistan

Sajid Umar, Abdur Rehman (2010) Immunosuppression, a major cause of loss in poultry industry“ The Veterinary News and Views, 30th September, Faisalabad, Pakistan

Sajid Umar (2010) Factor affecting intestinal health in Poultry. The Veterinarian” Poultry magazine Australia

Sajid Umar (2011) “Fatty liver hemorrhagic syndrome, a disease of commercial laying hens” The Veterinary News and Views, 7-14 February, Faisalabad, Pakistan.

Sajid Umar (2011) “Ammonia toxicity in poultry” The Veterinary News and Views,16-22 March, Faisalabad, Pakistan

PROFESSIONAL MEMBERSHIPS

Member of Pakistan Veterinary Medical Council (PVMC)

Member of Pakistan Poultry Association (PPA)

Member of the French branch of World Poultry Science Association (WPSA-France)

Member of the USA branch of World Poultry Science Association (WPSA-USA)

Member of Poultry Science Association (PSA)

Member of Wild life Disease Association (WDA)

TRAININGS AND WORKSHOPS

12-16 Dec 2006: Application of Molecular Biology Tools for the Improvement of Livestock at University of Veterinary and Animal Sciences, Lahore

27-30 Oct 2009: Participated in 6th Asian Buffalo conference held in pearl continental hotel Pakistan

09-10 Nov, 2009: Participated in work shop in “primer designing for microbial identification using PCR” held in UVAS Lahore Pakistan.

23-26 Nov 2009: Participated in work shop in “Molecular techniques (PCR/RT-PCR for diagnosis of animal microbial diseases” Held in UVAS Lahore Pakistan

2009-10: Two month training “community awareness program” (CAP)

24-25th Sep 2010: Participated in “Pakistan Poultry Association Conference” (PPA) at Expo-centre .Lahore.

24-25th Sept 2010: Participated in “National Biotechnology Exhibition and seminar organized by Institute of Biochemistry & Biotechnology, University of Veterinary and Animal Sciences, Lahore

12 -14 January 2010: Participated in “Biosafety and Biosecurity Awareness Training” organized by The U.S. Department of State Bio Engagement Program and Sandia Laboratories National in pearl continental hotel Lahore

Nov 26, 2011: One day workshop on young researcher’s skill development, National University of Sciences & Technology (NUST) Islamabad.

26-28th Oct 2012: Participated in “Pakistan Poultry Association Conference” (PPA) at Expo-centre .Lahore

12-14 Nov 2012: Participated in “All Pakistan Science conference Gomal University D.I. Khan

31th Dec 2012 One day workshop on “Quality education” held by Quality enhancement cell (QEC) PMAS Arid Agriculture University Rawalpindi

2-3 April 2014 two day training on“ Preparing for oral presentation in conference” held in University of Paul Sabatier (UPS), Toulouse, France.

April –July 2014 training on “Scientific writing &Editing” held in University of Paul Sabatier (UPS), Toulouse, France.

2 to 6 June 2014 training on “Creating scientific audiovisual animations" in Ecole de Cinema D’Animation (ECA) 5 Rue Georges Vedel 31300 Toulouse, France.

15 Sep to 6 Oct 2014 training on “Laboratory animal Use and protection”, National Veterinary school Toulouse, France

29 September to 9 October 2014 training on “Statistical basis for research: a practical approach” University of Paul Sabatier Toulouse France

2-5 December 2014 training on “To control the scientific and technical information in research” University of Paul Sabatier Toulouse France

6-8 January 2015 training on “Project management” University of Paul Sabatier Toulouse France

11-14 January 2015 training on “Computational analysis of sequences” University of Paul Sabatier Toulouse France

17-18 January 2015 training on “ Image acquisition and analysis” University of Paul Sabatier Toulouse France

17-20 January 2015 training on “Quality assurance in research and good laboratory practice” University of Paul Sabatier Toulouse France

20-21 January 2015 training on “Practical approaches for multivariate statistics” University of Paul Sabatier Toulouse France

26-29 March 2015. 6th European Wildlife Disease Association (EWDA) Student Workshop on “Human drivers of Emerging Diseases” in Veyrier du Lac, France

25-27 April 2016 PhD student training on “ Scientific writing and research skills” (COST ACTION FA 1207)held by Infectious Diseases Research Unit Department of Infection and Immunity Luxembourg Institute of Health 29, rue Henri Koch, L-4354 Esch-sur-Alzette Luxembourg

07 June 2016 one day seminar on “Writing for scientific publications in Veterinary Medicine” with Karen M Young (School of Veterinary Medicine University of Wisconsin Madison USA) at National Veterinary School of Toulouse France.

21-24 June 2016 Participated in a discussion on “Recent scientific advances on ‘Avian Coronaviruses and complicating pathogens’ Utrecht (Leusden), The Netherlands.

9-10 November 2016 participated in Agenda - Workgroup Meeting COST Action FA1207: Towards Control of Avian Coronaviruses: Strategies for Diagnosis, Surveillance and Vaccination Zagreb, Croatia.

RESEARCH PROJECTS:

Member. Determination of Dendritic Cells (DCs) Stimulating Antigen of Chicken Coccidian and their Application in the Development of Coccidiosis Vaccines in Chickens. PSF joint research project with NSFC China.

Principal investigator: Avian Mycoplasmosis: Role of the crosstalk between backyard and commercial poultry farms in dissemination and persistence (in pipeline)

Principal Investigator: Sero-grouping and antimicrobial sensitivity of *Escherichia coli* isolates from domestic and wild birds (under review for funding)

Principal Investigator: Bovine Influenza virus in Pakistan: emergence and zoonotic risk assessment (Under review NRPV HEC)

References

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