

CURRICULUM VITAE

Dr. AFSHAN SYED ABBAS

H # 8, St # 1, Rajpoot park , Shadbagh, Lahore, Pakistan

Cell: 92-333-4771364

E mail: afshan.syed@ue.edu.pk

CNIC No. 352022-786575-0

Objective

To obtain knowledge and experience in the field of Zoology, Molecular science and settle down in a career with better growth and prospects driven organization that will challenge and utilize my strong leadership, analytical and problem-solving skills.

QUALIFICATION

PhD Zoology Cell & Molecular Biology	Session 2008-2014 (CGPA: 4.0/4.0, percentage: 88.22%)
Research topic	“Fat induced inflammation, iron overload and the impact of fat reducing agents on <i>Rattus norvegicus</i> ”.
Institution	Department of Zoology, University of the Punjab Lahore, Pakistan.
MS Zoology Research Topic	Session: 2006 - 2008 (CGPA: 3.46/4.0) “Alicornops species from the Kamlial formation, Siwaliks Pakistan.”
Institution	Department of Zoology, University of the Punjab, Lahore. Pakistan.
B.S. ZOOLOGY Project Report topics:	Jan 2002 - Feb 2006 (CGPA: 3.51/4.0) 1-“Suspended atmospheric particulate matter of urban areas.” 2-“Suspended atmospheric particular matter and heavy metals of urban areas”.
Institution	Department of Zoology, University of the Punjab Lahore, Pakistan.
INTERMEDIATE Institution	2001 (789/1100, percentage: 71.72%) Government Islamia college for women Cooper road, Lahore.
MATRICULATION Institution	1998 (686/850, percentage: 80.70%) Govt. Fatima Jinnah girls high school, Misri shah Lahore.
OTHERS	Passed Graduate Assessment Test (GAT)-Subject held on 27 th February, 2011.

WORK EXPERIENCE

- Assistant Professor (TTS) October 2018 to till date at Department of Zoology, University of Education, Lower Mall Campus, Lahore.
 - Coordinator Department of Zoology, Bank Road Campus University of Education, Lahore from December 2024- July 2025.
 - Assistant Professor (Visiting) October 2017-Feb 2017 at Department of Zoology, University of Education, Bank Road Lahore.
 - Assistant Professor (Visiting) March 2017 to July 2017 at Department of Zoology, University of Education, Township Lahore.
 - Assistant Professor (Visiting) March 2016 to May 2016 at Department of Zoology, Lahore College for Women University, Lahore.
 - Assistant Professor (IPFP) January 2015 to January 2016 at Department of Zoology, Lahore College for Women University, Lahore.
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TEACHING EXPERIENCE

Have taught to

PhD
MS
BS
MSc

THESIS SUPERVISED

MS

1. A Comparative Study of the Impact of Deltamethrin and *Ocinum Tenuiflorum* on Iron Metabolism Regulatory Genes in Wistar Rats. (Session 2014-16)
2. Effect of Steroids on Iron Level in Wistar Rats (*Rattus norvegicus*). (Session 2018-20)
3. Protective Potential of Quercetin Against Thioacetamide Induced Splenomegaly in Wistar Rats (*Rattus Norvegicus*). (Session 2019-21)
4. Biodegradable Plastic Production from Banana Peel and Its Biodegradability Analysis. (Session 2019-21)
5. Chitenolytic bacteria as biocontrol agents against fungal decay on lemon. (Session 2020-22)
6. Effect of fat reducing agents on spleen & iron metabolism in non-alcoholic fatty liver disease induced rats (2021-2023)
7. Effect of fat reducing agents on kidney in non-alcoholic fatty liver disease in rats (*Rattus novergicus*) (2021-2023).
8. Study of the effect of chickpea (*Cicer arietinum*) extract on serological and histopathological changes in CCl₄ induced nephrotoxicity in rats (2022-24)
9. Study of effect of lemon (*Citrus limon*) peel extract on serological and nephrological changes in CCl₄ induced kidney injury in wistar rats (2022-24)
10. Evaluation of Lemon (*Citrus limon*) Peel Extract Effect on Histopathological and Serological Changes in CCl₄ Induced Liver Injury in wistar rats. (2022-24).
11. Effect of Secondhand Cigarette Smoke on Lungs and Heart Tissue of Wistar Rats (*Rattus norvegicus*). (2023-25).

12. Evaluation of the Comparative Effect of Synthetic and Bioplastic on Hematology, Serology and Histopathology of Liver in Wistar Rats (*Rattus norvegicus*). (2023-25).
13. Evaluation of the Second-Hand Smoking on Hematology, Serology and Histopathology of Liver in Wistar Rats (*Rattus norvegicus*). (2023-25).
14. Investigation of Comparative Effect of Synthetic and Bioplastic on Kidney and Hematology of Wistar Rats (*Rattus norvegicus*). (2023-25).

MSc

1. Hematological & Serological Alterations in Anabolic Steroids Abuse in Wistar Rats (*Rattus norvegicus*). (Session 2017-19)
2. Impact of Anabolic Steroids on Kidneys of Wistar Rats. (Session 2017-19)
3. Effect of Decadurabolin on Heart in Wistar Rats (*Rattus norvegicus*). (Session 2017-19)
4. Histological Variations in Muscles of Anabolic Steroids Treated Wistar Rats (*Rattus norvegicus*). (Session 2017-19)
5. Decadurabolin Induced Histological Alterations in Liver of Wistar Rats (*Rattus norvegicus*). (Session 2017-19)
6. Evaluation of Effect of High Energy Diet on Heart and Intestine of Wistar Rats. (Session 2018-20)
7. Prevalence of ABO Blood group in different types of Haemophilia from Lahore, Punjab. (Session 2018-20)
8. Prevalence of Thalassemia Minor in Pakistan with Different Blood Groups from Central Punjab Pakistan. (Session 2018-20)
9. Prevalence of ABO Blood Groups in different types of Haemophilia from Lahore, Punjab. (Session 2019-21)
10. Evaluation of antibacterial potential of chickpea seed extract and lemon juice. (Session 2019-21)
11. Prevalence of Viral Hepatitis in Haemophilic Patients in Lahore, Punjab. (Session 2019-21)
12. Study of Hemophilic anomalies from Lahore, Punjab. (Session 2019-21)

BS

1. Comparative Study of the Effect of Synthetic/Natural Pesticide on Spleen of *Rattus norvegicus*. (2019-23).
2. Effect of Non-Alcoholic Fatty liver Disease and Fat reducing agents on Lungs of *Rattus norvegicus*. (2019-23).
3. Comparative Study of the Effect of Synthetic/Natural Pesticide on Kidney of *Rattus norvegicus*. (2019-23).
4. Evaluation of the effect of Lemon peel extract against CCl₄ induced Lung toxicity in Wistar rats (2020-2024).
5. Determination of the Effect of Lemon peel extract against CCl₄ induced splenomegaly in Wistar rats (2020-2024)
6. Evaluation of the effect of lemon peel extract against CCl₄ induced cardiac toxicity in Wistar rats. (2020-2024).
7. Unravelling the effect of chickpea against CCl₄ induced liver toxicity in wistar rats. (2020-2024).
8. Assessment of the protective effect of chickpea extract on cardiac tissue against CCl₄ toxicity in wistar rats (2020-2024).
9. Effects of passive smoking on Histopathology of Skeletal Muscles in Wistar Rats. (2021-25)

10. Comparative Histopathological Effects of Synthetic and Bioplastic on Stomach in Wistar Rats (2021-25)
 11. Impact of Synthetic Plastics vs. Bioplastics on Intestinal Tissue: A Histopathological Study in Wistar Rats (2021-25)
 12. Comparative Effects of Synthetic and Bioplastic on Lungs of Wistar Rats (2021-25).
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THESIS EVALUATED FOR AWARD OF BS/M.Sc/MS. DEGREE

BS

1. Rabia Ghazanfar: Histopathological Changes & Toxic Effects of Tacrolimus on Pulmonary Tissues of Wistar Rats, (*Rattus norvegicus*), Department of Zoology, University of the Punjab, Lahore. BS, 2015).
2. Tanzila Shan: Tacrolimus Induced Histopathological Changes in the Kidneys of Wistar Rats, Department of Zoology, University of the Punjab, Lahore. BS, 2015).
3. Sadaf: Genetic Screening of CYP1B1 in Gaucoma Patients from Sheikhpura. Department of Zoology, Division of Science and Technology, University of Education, Lahore. (Session 2018-2022).
4. Faryal Ihsan: Exclusion Analysis of Cytochrome P4501B1 in Patients of Primary Open Angle Galucoma. Department of Zoology, Division of Science and Technology, University of Education, Lahore. (Session 2018-2022)
5. Maria Iftikhar: Department of Zoology, Bank Road Campus, University of Education, Lahore. (Session 2018-2022).
6. Imrana Umar: Department of Zoology, Bank Road Campus, University of Education, Lahore. (Session 2018-2022).
7. Sajida Parveen: Department of Zoology, Bank Road Campus, University of Education, Lahore. (Session 2019-2023).
8. Nazish Jameel: Department of Zoology, Bank Road Campus, University of Education, Lahore. (Session 2019-2023).
9. Aleena Waheed: Department of Zoology, Bank Road Campus, University of Education, Lahore. (Session 2019-2023).
10. Maryam Nazir: Computational Evaluation of Exon 4 point Alterations in ABL1 Gene in Chronic Myloid Leukemia Patients: Department of Zoology, Division of Science and Technology, University of Education, Lahore. (Session 2020-2024).
11. Maymoona Sahar: In Silico Assessment of Gene Mutations in Exon 6 of ABL1 Gene and Their Impact on Chronic Leukemia Progression. Department of Zoology, Division of Science and Technology, University of Education, Lahore. (Session 2020-2024).
12. Muhammad Shahid: Detection of Point Mutations in TP53 Gene Intron 7 and 8 in Chronic Myloid Leukemia Patients. Department of Zoology, Division of Science and Technology, University of Education, Lahore. (Session 2020-2024).
13. Saboor Shaban: Assessing the Impact of Exon 5,7 and 11 Single Nucleotide Polymorphism in the ABL1 Gene on Chronic Myloid Leukemia Through Computational Tools. Department of Zoology, Division of Science and Technology, University of Education, Lahore. (Session 2020-2024).

MSc.

14. Maria Hussain: Histological effects of thioacetamide on brain, heart and lungs, Department of Zoology, University of the Punjab, Lahore. MSc, 2015).

MS/MPhil.

15. Samia Zahid: Optimization of Citrus Waste as Carbon Source for Pectinase Production by Bacteria. Department of Zoology, Government College for Women University, Faisalabad. (2021).
 16. Syeda Humarish Batool: Study on Bioethanol Production by Bacteria Using Vegetable Waste as a Substrate. Department of Zoology, Government College for Women University, Faisalabad. (2021).
 17. Fiza Jabbar: Study of the Expression of Acute Phase Blood Proteins in Manifestation of Acute Myocardial Infarction. Department of Zoology, Government College for Women University, Faisalabad. (2021).
 18. Zainab: Serological Renal Impairments Associated with First- and Second-line Chemotherapy Regimens for Ovarian Epithelial Carcinoma . Department of Zoology, Government College for Women University, Faisalabad. (2021).
 19. Sonia Boota: Study on Effect of kidney Stone Composition on Serum Biochemical Variants and Their Association With Renal Hypertension. Department of Zoology, Government College for Women University, Faisalabad. (2021).
 20. Memoona Tariq: Molecular Identification of bedbugs (*Cimex Lactularius*) and Its Preliminary Survey of Infestation in Some Homes and Hotels in District Faisalabad, Pakistan. Department of Zoology, Government College for Women University, Faisalabad. (2021).
 21. Ayesha Bashir: Hematological Variations Due to Chronic Exposure to Heat in Heat Stressed Confectionery Workers. Department of Zoology, Government College for Women University, Faisalabad. (2021).
 22. Rohma Tahir: Department of Zoology, Government College for Women University, Faisalabad. (2023-25).
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EXAMINING RESPONSIBILITIES FOR PhD, M. Phil.; BS. EXAMS OF THE UNIVERSITY OF EDUCATION & OTHER UNIVERSITIES:

1). External Examiner (Evaluator):

External Examiner of PhD, M.Sc and BS Zoology (Cell Biology and Molecular Biology) Theses, Theory Exams of Department of Zoology, University of the Punjab Lahore, Lahore College for Women University and Government College University, Faisalabad, Pakistan.

2). Internal Examiner (Evaluator):

Internal Examiner of BS, MSc MS and PhD programs for theory and practical exams or different courses of Department of Zoology, Lahore College for Women University and University of Education Lahore.

AWARDS RECEIVED

- Shields as organizer for Sports Gala 2019 at University of Education, Lahore.
 - Shield of Judgment for Presbyterian Education Board (PEB) Inter School Science Competition 2014 LHR.
 - Indigenous PhD 5000 Fellowship Program Phase-1V (2008-2013) by HEC Pakistan.
 - Merit Scholarship 2005, Semester 7th, BS, awarded by University of the Punjab.
 - Merit Scholarship 2003, Semester 3rd, BS, awarded by University of the Punjab.
 - Merit Scholarship 2002, Semester 1st, BS, awarded by University of the Punjab.
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RESEARCH PROJECTS

YEARS	SPONSOR	GRANT (PAK. RS.)	TITLE OF THE RESEARCH
2008-2013	HEC	1621963/-	Fat Induced Inflammation, Iron overload and the impact of fat reducing agents in <i>Rattus norvegicus</i>
2015-TILL DATE	HEC	247900/-	Natural/Synthetic pesticides Induced Hepatic Toxicity & Variations In Iron Metabolism Regulatory Genes In <i>Rattus Norvegicus</i>

RESEARCH ARTICLES PUBLISHED

2025

1. HUSSAIN, M., ISHFAQ, M., HAMEED, S.A., **ABBAS A.S.**, *et al.* Multi-omics analysis reveals PIAS family gene dysregulation as a driver of head and neck squamous cell carcinoma (HNSC) progression and therapeutic vulnerability. *Discov Onc* 16, 2247 (2025). <https://doi.org/10.1007/s12672-025-04100-y>.
2. KHAN SA, IFTIKHAR A, HAIDER M, NAEEM S, QADEER S, ASHRAF A, **ABBAS AS**, HUSSAIN M, ABDEL-MAKSOUH MA, ALROKAYAN S, IQBALI A, ALNUMASI T, KIANI BH, ALAMRI A, HAMEED Y. Exploring the critical role of SDHA in breast cancer proliferation: implications for novel therapeutic strategies. *Am J Transl Res.* 2025 Jul 15;17(7):5221-5240. doi: 10.62347/XAKQ8090. PMID: 40821099; PMCID: PMC12351556.
3. MIRZA, S.S., **ABBAS, A.S.**, MANSOOR, D. *ET AL.* Assessment of exoelectrogenic potential of microbial consortia of sewage sludge for bioelectricity generation. *Int. J. Environ. Sci. Technol.* 22, 11645–11654 (2025). <https://doi.org/10.1007/s13762-024-06318-9>.
4. TALHA, M., **ABBAS, A.S.**, JABEEN, F. *et al.* Valorization of *Musa paradisiaca* Peel Waste for Bioplastic Production: A Study on Microbial Degradation Dynamics. *Waste Biomass Valor* (2025). <https://doi.org/10.1007/s12649-025-03228-w>.
5. NAUROZE, T., ALI, S., ANDALEEB S., ARA C, **ABBAS A.S.**, *et al.* Therapeutic Potential of *Aloe vera* and *Aloe vera* Fabricated Silver Nanoparticles on Reproductive Function in Male Mice Exposed to Hexavalent Chromium. *Cell Biochem Biophys* (2025). <https://doi.org/10.1007/s12013-025-01806-2>

2024

6. **ABBAS A.S.**, AKRAM M.N., WAQAR UN NISA, LIAQAT M.F., TARIQ M.A., ABUBAKAR M., AND SATTAR A., 2024. Unveiling the Impact of nandrolone decanoate on kidney and heart of *Rattus norvegicus*. *Journal of Health and Rehabilitation Research.* 4(1): 2024. DOI: <https://doi.org/10.61919/jhrr.v4i1.533>., ISSN 2791-156X.
7. AAMIR SATTAR, **ABBAS A.S.**, NASEEM, S., MUMTAZ M., SHABBIR A., MIRZA S., 2024. Evaluation of Phytochemicals and antibacterial usefulness of Citrus

limon and Cicer arietinum in synergistic effect with antibiotics against clinically important bacteria. Journal of Health and Rehabilitation Research. 4(1): 2024. DOI: <http://doi.org/10.61919/jhrr.v4i1.174> ISSN 2791-156X.

8. NAUROZE T., ALI S., ANDLEEB S., ARA C., LIAQAT I., MUSHTAQ H., MUMTAZ S., KANWAL L., **ABBAS A.S.**, MUMTAZ S., FAROOQ M.D., KHAN I.H. Therapeutic Potential of Aloe vera and Aloe vera-Conjugated Silver Nanoparticles on Mice Exposed to Hexavalent Chromium. Biol Trace Elem Res 2024. doi: 10.1007/s12011-024-04105-8ISSN 1559-0720,0163-4984

2023

9. TAYYAB K. ASLAM S., GHAURI MA. **ABBAS A.S.**, AND HUSSAIN A., Consequential study on different levels of C/N ratios used in biofloc-based aquaculture system. Brazilian Journal of Biology. ISSN 1519-6984,1678-4375. Brazilian Journal of Biology, 2023, vol. 83, e248878 | <https://doi.org/10.1590/1519-6984.248878>.
10. JABEEN F., YOUNIS T., SIDRA S., MUNEEB B., NASREEN Z., SALEH F., MUMTAZ S., SAEED R. F., **ABBAS A. S.** Extraction of chitin from edible crab shells of *Callinectes sapidus* and comparison with market purchased chitin. Brazilian Journal of Biology. ISSN 1519-6984,1678-4375 ISSN 1678-4375 Brazilian Journal of Biology, 2023, vol. 83. <https://doi.org/10.1590/1519-6984.246520>.

2022

11. **ABBAS AS.**, AKHTAR T., SHAHEEN N., ASLAM S., AND SHEIKH N., 2022. Mechanistic study of regulation of iron homeostasis by *N. sativa* seeds and *P. ovata* husks on high fat/high sucrose diet induced non-alcoholic fatty liver disease. Molecular Biology Reports <https://doi.org/10.1007/s11033-022-07538-3>.
12. **ABBAS A.S.**; Abbasi M.H.; Khawar M.B.; Batool S.; Jabeen F.; Shad A.; Sheikh N.. Gender linked negative consequences of “*Nigella sativa*” seeds and “*Plantago ovata*” husk on fibrosis in the energy-rich diet (ERD) induced nonalcoholic fatty liver disease (NAFLD). Pakistan Journal of Biochemistry and Biotechnology, 2022, 3 (2), x. <https://doi.org/10.52700/pjbb.v3i2>.
13. ASLAM S., MUSTAFA M., TAYYAB K., **ABBAS A. S.**, BATOOL S. Screening of the Bacterial Pathogens in Biofloc Technology based Aquaculture of the *Ctenopharyngodon Idella*. J. Zoo Biol. 04 (01) 2022. 27-33. DOI: 10.33687/zoobiol.005.01.4512.

2021

14. HOSSAM F. ABOU SHAARA, **ABBAS A. S.**, AL-KHATANI S.N., ETAL. Exploring the non-coding regions in the mtDNA of some HONEYBEE species and subspecies. Saudi Journal of Biological Sciences. 28(204-9).
15. CHAUDHARY A, AKRAM AM, AIHETASHAM A., HUSSAIN Z, **ABBAS AS.** et al., *Punica granatum* waste to ethanol valorisation employing optimized level of saccharification and fermentation. Saudi Journal of Biological Sciences 28(2021) 3710-3719.

16. AKRAM AM. CHAUDHARY A., KAUSAR H. ALTHOBAITI F, **ABBAS AS ET AL.**, Analysis of RAS gene mutations in cytogenetically normal de novo acute myeloid leukemia patients reveals some novel alterations. *Saudi Journal of Biological Sciences*. 28(2021-3735-3740).
17. **ABBAS AS**, MANZOOR F, SHAHZAD K., SHEIKH N., AND TANVEER M. Deltamethrin -induced alterations of iron metabolism in Wistar rats. *Toxicological and Environmental Chemistry*, 100:5-7, 601-606.
18. N. SHEIKH, A. FARRUKH AND **A. S. ABBAS.**, 2017. Hepatic iron regulatory gene expression influenced due to disturbed essential trace elements level. *The Journal of Animal & Plant Sciences*, 27(3): 2017, Page: 1024-1030. **2016**
19. **ABBAS A.S.**, TANVEER M., AND SHAHZAD K., AKHTAR T., 2016. Natural Pesticides their mode of action & toxicity in Pakistan, *Journal of Innovative Sciences*, 2(2):8-20.
20. **ABBAS A.S.**, MANZOOR F., SHAHZAD K., TANVEER M. AND IQBAL I. 2016. Synthetic pesticides used in Pakistan: their mode of action and toxicity. *J. Innov. Sci.*, 2 (1): 75-87.
21. **ABBAS A.S.**, SHEIKH N., MANZOOR F., ASLAM S. AND FARRUKH A. 2015 Effects of *Nigella sativa* Seeds & *Plantago ovata* Husk on Fat Rich Diet Induced Inflammatory Responses in *Rattus norvegicus*. *Biologia (Pakistan)*, **61** (2).
22. **ABBAS A.S.**, ABBASI M. H., AND SHEIKH N., 2014. Nonalcoholic fatty liver disease and associated changes in serum hepcidin, iron, ferritin-R levels and total iron binding capacity in weaning wistar rats (*Rattus norvegicus*). *Journal of Animal and Plant Science*, **24**(2): 418-424.
23. TASLEEM AKHTAR¹, SHEIKH N., MUDDASIR H. ABBASI AND **ABBAS A.S.** 2014. Effects of *Nerium oleander* leaves extract against Thioacetamide induced Liver injury. *Biologia* **60** (1), 37-41.
24. **ABBAS A.S.**, AND SHEIKH N., 2014. "Counter Effects of *N. Sativa* and *P. ovata* on Indicative Markers of Non Alcoholic Fatty Liver Disease" *Pak. J. Pharm. Sci.*, **29**(1):185-191.

WORK PRESENTED/ PUBLISHED (ABSTRACTS, POSTERS)

2025

- RIMSHA, **ABBAS A.S.**, ZAHRA I., SULTAN A., TABASSUM S., AKRAM A., AMINA, ASLAM S., Plastic Diets and Liver Dilemmas: Uncovering the Hepatotoxic Divide between Synthetic and Bioplastics. ZEST2025-PHT-05, Page:88.
- LIAQAT M.F., **ABBAS A.S.**, MEHMOOD T., ZAHRA I., Histopathological and Biochemical Effects of Passive Smoking on Kidney and Testes in Wistar Rats. ZEST2025-PHT-01, Page:86.

2024

- TEHREEM F., **ABBAS A.S.**, JABBAR M., YOUSAF I. AND MUQADDAS. Study the Effect of Lemon (*Citrus limon*) Peel Extract on CCl₄ Induced Toxicity in Lungs of Wistar Rats. 2024. ZEST2024-AR-04, Page: 19.

- REHMAN A., **ABBAS A.S.**, AND FAISAL R. Unrevealing the Effect of Chickpeas (*Cicer arietinum*) Extract Against CCl₄ Induced Liver Toxicity in Wistar Rats. ZEST2024-PHT-08, Page: 83.
- FAISAL, **ABBAS A.S.**, REHMAN A., USMANI S., AND ILYAS S. Assessment of Protective Effect of Chickpea Extract on Cardiac Tissues Against CCl₄ Toxicity in Wistar Rats. ZEST2024-PHT-20, Page: 89.

2023

- IRAM A and **ABBAS AS.**, 2023. Prevalence of ABO Blood group in Beta Thalassaemic Trait (BTT) and Iron deficiency anaemic (IDA) individuals. ZEST 2023-CMB-105 Page.

2022

- SATTAR A., **ABBAS AS.**, NASEEM S., AND BASHIR R., Antibacterial Potential of Citrus limon and *Cicer arietinum* in Synergistic Effect with antibiotics against clinically important bacteria. ZEST2022-MBT-166. Page:100.
- AQSA AND **ABBAS AS.** Prevalence of ABO Blood groups in different types of Haemophilia from Lahore, Punjab. Ist International Two days virtual conference named Zoological Emerging scientific trends. ZEST2022-PHT-241. Page: 140. ZEST2022-PHT-287. Page:164.
- TABASSUM T AND **ABBAS AS.**, Prevalence of Viral Hepatitis in Haemophilic Patients in Lahore, Punjab.

2018

- **ABBAS A.S.**, MANZOOR F., SHAHZAD K., TANVEER M., AND SHEIKH N., 2018. Comparative Effect of Deltamethrin /*Oscinum sanctum* on iron metabolism regulatory genes in rats. Presented in International Conference on Education (ICE 2018) Science beyond classroom. University of education, Bank road Lahore from March 15-17, 2018.

2015

- AKHTAR T., SHEIKH N., AND **ABBAS A.S.** Entitled Tacrolimus Induced Acute Hepatotoxicity in Wistar Rats accepted for presentation in 25th Asian Pacific Association (APASL) 2015. Held on February 20-24, 2016 in Tokyo Japan.
- **ABBAS A. S.**, SHEIKH N., AND BATOOL S., 2015. NAFLD linked hepatic iron stores and impact of fat reducing agents on males and females *Rattus norvegicus*. *Z Gastroenterol.*; 53 A2_19. DOI: 10.1055/s00341397113.

2014

- **ABBAS A. S.**, FARRUKH A., SHAFIQ M., AKHTAR T., SHEIKH N., 2014. Experimental NAFLD and impact of *N. sativa* and *P. ovata* on hepatic iron overload and fibrosis in weaning and adult rats. *Hepatology International*. **8** : 341
- SHEIKH N., FARRUKH, A. AND **ABBAS A. S.**, 2014. Acute iron and copper toxicity: variations in gene expression of some iron regulatory proteins in rats liver. *Hepatology International*, **8** : 332.

- Sheikh N., Farrukh A and **ABBASS A.S.**, 2014. Changes in serum protein profile due to iron- and copper- induced toxicity in *Rattus norvegicus*. Falk Workshop (Germany) 25p.

2013

- **ABBAS A. S. AND SHEIKH N.**, 2013. Variations in Total Protein Concentration in Diet Induced NAFLD Adult *Rattus norvegicus*. *Hepatology International*. 7 (**Supply 1**): 55-56
- **ABBAS A. S. AND SHEIKH N.**, 2013. Age associated differential activity of *nigella sativa* and *plantago ovata* against nafld. *Hepatology International*. 7 (**Supply 1**): 59-60
- **ABBASI M. H., FATIMA S., NAZ N., SHAHID M. A., IQBAL A., ABBAS A. S., AND SHEIKH N.**, 2013. Hepatic injury with *Nerium oleander* (N.O.) leaves extract: Associated changes in serum hepcidin and total iron in albino rat. *Hepatology International*. 7 (**Supply 1**): 23
- **ABBAS A. S. AND SHEIKH N.** Serological changes and counter effect of medicinal plants in experimental NAFLD in rats. *Hepatology International*. 7 (**Supply 1**): 58-59
- **AKHTAR T., ABBASI M. H., ABBAS A. S., IQBAL J., AND SHEIKH N.**, 2013. Serum protein profile in TAA induced chronic inflammation in rats. *Hepatology International*. 7 (**Supply 1**): 117-118
- **ABBAS A. S., KASHIF-UR-REHMAN AND SHEIKH N.** Counter Effect of *Nigella sativa* and *Plantago ovata* on lipid profile of experimental NAFLD in *Rattus norvegicus*, presented in 33rd Pakistan congress of zoology (International) held at Convention Centre, Islamabad, Pakistan from 2-4 April, 2013.

2012

- **ABBAS A. S., ABBASI M.H. and Sheikh N.** NAFLD and associated changes in serum Pro-hepcidin, Iron, Ferritin R levels and total iron binding capacity in weaning *Rattus norvegicus*. *Z Gastroenterol*. 2012; 50 - K035 DOI: 10.1055/s-0032-1323970
- **ABBAS A. S., AND SHEIKH N.**, 2012. Dietary influence on Serology of male and female Wistar rats (adult). *Hepatology International*, 6: 280-290.
- **ABBAS A. S., SHEIKH N. AND TARIQ A.**, 2012. Impact of fatty diet on the serum protein profile of weaning Wistar rats *Hepatology International*, 6: 290.
- **ABBAS A. S., AND SHEIKH N.** Dietary NAFLD (Non-Alcoholic Fatty Liver Disease) induced Thrombocytopenia and effects of *Nigella sativa* and *Plantago ovata* presented in 32nd Pakistan congress of zoology (International) held at Govt. University, Lahore on 6-8 March, 2012.

2011

- **ABBAS A. S. AND SHEIKH N.** Serological Changes Experienced By the both sexes of Adult Wistar rats Fed with Different Fatty Diet Compositions. *Hepatology International*. 2011.
- **ABBAS A. S., AND SHEIKH N.** Changes in the hematology, serum electrolytes and liver histology in diet induced obese rats. Presented at 27th year GASL Regensburg Germany 28-29 January 2011. *Z Gastroenterol*. 2011; 49 DOI: 10.1055/s-0030-1269518.

- **ABBAS A. S. AND SHEIKH N.** Gender Based Changes in the Serum Biochemistry of the Weaning Rats due to Diet Composition. (2011). *Hepatology International* 5(1); 179.
- **ABBAS A.S. AND SHEIKH N.** Effects of the same fatty diet compositions on the hematology and serology of male and female weaning wistar rats. Presented in 31st Pakistan congress of zoology (International) held at University of Azad Jammu and Kashmir, Muzaffarabad April 19-21, 2011:237-238.

2010

- **ABBAS A. S. AND SHEIKH N.** Increase in body weight depends on dietary composition and palatability of the diet in rats. Presented in 30th Pakistan congress of zoology (International) held at University of Agriculture, Faisalabad March 2-4, 2010: 216-217.

2009

- **ABBAS A. S., KHAN A M., AKHTAR M. AND AFGHANI M.** *Alicornops sp.* From the Kamlial formation of Pakistan. Presented in 29th Pakistan congress of zoology (International) held at University of Sindh, Jamshoro. 24-26 January 2009: 130.

BOOK CHAPTERS PUBLISHED

- **ABBAS AS, LIAQAT F, ASLAM S, JABEEN F, KANWAL R, QAYYUM V, REHMAN A AND SHAD A,** 2025. The lactose dilemma: holistic solutions for modern living. In: Ismael SS, Nisa QU, Nisa ZU and Aziz S (eds), *Diseases Across Life: From Humans to Land and Sea*. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 79-86. <https://doi.org/10.47278/book.HH/2025.86>.
- **SHAD A, ABBAS AS, ASLAM S, BATOOL S, NAUROZE T, LIAQAT F, AND HUDA NU,** 2025. Chikungunya virus: epidemiology, clinical manifestations, virology, immunology, prevention, control, and future directions. In: Abbas RZ, Akhtar T and Jamil M (eds), *Pathways of Infection: Zoonoses and Environmental Disease Transmission*. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 183-188. <https://doi.org/10.47278/book.HH/2025.35>.
- **NOOR A., ISHAQ A.R., NOOR F., YOUNIS T., ABBAS A. S., ETAL.** 2021 Genetic Variations: Palindromic Rheumatism: Biology and Treatment Options. Intech Open Publishers. DOI: <http://dx.doi.org/10.5772/intechopen.96796>.

CONFERENCES/ SEMINAR / WALKS ORGANIZED

2025

- 4th Two Days International Conference (Hybrid) : Zoological Emerging Scientific Trends (ZEST) from 19th – 20th Nov., 2025.

2023

- 2nd Two Days International Conference (Hybrid) : Zoological Emerging Scientific Trends (ZEST) from 22nd - 23rd Feb., 2023.

2022

- First Two Days International Conference of Zoology: Zoological Emerging Scientific Trends (ZEST) from 18th -19th March., 2022.
- Seminar on Thalassemia Awareness, Prevention and Screening. Organized on 22-06-2022 at University of Education, Lower Mall Campus Lahore.
- Seminar on Polio Awareness organized on 20-07-2022 at University of Education, Lower Mall Campus Lahore.
- Seminar on Breast Cancer Awareness organized on 31-10-2022 at University of Education, Lower Mall Campus Lahore.
- Seminar on Time Management and Islam organized on 14-12-2022 at University of Education, Lower Mall Campus Lahore.

2021

- Webinar on potential of sericulture industry for poverty Alleviation on 12-06-21 at University of Education, Lower Mall Campus Lahore.

2019

- Seminar on Thalassemia Awareness and Prevention on 21-11-2019 at University of Education, Lower Mall Campus Lahore.
- Seminar on Public Awareness of Diabetes on 26-03-2019 at University of Education, Lower Mall Campus Lahore.
- Seminar on Thalassemia Awareness and Prevention on 10-01-2019 at University of Education, Lower Mall Campus Lahore.
- Walk on international earth day on 18-04-19 at University of Education, Lower Mall Campus Lahore.
- Seminar Importance of Blood Donation & Benefits to blood donor on 11-04-19 at University of Education, Lower Mall Campus Lahore.

2018

- Seminar on Bone Health and Arthritis on 12-12-2018 at University of Education, Lower Mall Campus Lahore.

CONFERENCES ATTENDED

2024

- 3rd Two Days International Conference (Hybrid) : Zoological Emerging Scientific Trends (ZEST) from 16th – 17th Oct., 2024.

2021

- International Conference on Bee Pollination under Climate Change Scenario on 20-05-2021.

2020

- International e-Workshop on Docking, QSAR and Molecular Dynamics from 29-31-2020.

2019

- 2nd International Conference on Quality Assurance in Higher Education by Kethamonie Naidoo from April 23-25, 2019.

2018

- 6th International Conference on Education (ICE 2018) Science beyond classroom. University of education, Bank road Lahore from March 15-17, 2018.

2016

- First International Aquaculture Conference and first Tilapia fish Cooking Exhibition by Department of Zoology, LCWU, Lahore, Pakistan held on January 7-9, 2015.

2013

- 33rd Pakistan congress of zoology held under the auspices of zoological society of Pakistan-by-Pakistan History Museum and Pakistan Science Foundation at Convention center Islamabad, Pakistan on April 2-4, 2013.

2012

- 32nd Pakistan congress of zoology held under the auspices of zoological society of Pakistan at university of Govt. College University Lahore, Pakistan on March 6-8, 2012.

2011

- 31st Pakistan congress of zoology held under the auspices of zoological society of Pakistan at University of Azad Jammu and Kashmir, Muzaffarabad on April 19-21, 2011.

2010

- 30th Pakistan congress of zoology held under the auspices of zoological society of Pakistan at University of Agriculture, Faisalabad on March 2-4, 2010.

2009

- 29th Pakistan congress of zoology held under the auspices of zoological society of Pakistan at university of Sindh, Jamshoro on Feb 24-26, 2009.

2006

- 26th Pakistan congress of zoology held under the auspices of zoological society of Pakistan at university of the Punjab, Lahore on April 4-6, 2006.

NATIONAL:

2015

- Attended two days training workshop on BIostatistics Tools in Biological Research held on 14th to 15th, October 2015, at Lahore College for Women University, Lahore.
- Attended two days training workshop on Biosafety and Biosecurity held on 18th to 19th August 2015, at Lahore College for Women University, Lahore.

2012

- Attended one day symposium on DNA BARCODING: a promising tool for species identification and biodiversity digitization’ held on 30 January 2012 at National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad

2011

- Attended workshop on ENDNOTES (Reference manager) held from 31st March- 1st April 2011 under the auspices of IBA department university of Punjab, Lahore.

2010

- Workshop on “Haemcon 2010; Evidence based haematology” 12th National Haematology Conference (9th -16th Feb 2010) held in MMG, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- Attended workshop on “Honeybee farming and management training’ held from February 22-26, 2010, under the auspices of zoology department university of Punjab, Lahore.

SYMPOSIUMS/WORKSHOPS/SEMINAR/WEBINAR ATTENDED

2025

- Two days Workshop on Empowering Educators: Inclusive STEAM Tools for Transformative Pedagogy held on April 24-25, 2025, organized by UK-Pakistan Science and Innovation Global Network UPSIGN, UK and University of Education, Lahore.

2024.

- One Day Hands on Equipment Training and Data Analysis Workshop organized by Department of Zoology, Government College University, Lahore, Pakistan on 01-11-2024.
- Seminar on World Fisheries Day-2024 organized by Institute of Zoology, University of the Punjab, Lahore on 09-12-2024.

2023

- One day training Workshop on Statistical & Quantitative Data Analysis Software: NVivo on September 19, 2023 organized at University of Education, Bank Road Campus Lahore.

2022

- Two-day workshop Promoting Research Excellence in Academic across Pakistan by Higher Education Commission, Pakistan from 2nd February 2022.
- Webinar Bridging Bordered Series for celebrating International Wetlands Days on 02-02-22.

2021

- Webinar on World Health Day on 07-04-2021.

- First one Day Hands on Training of Global Positioning System (GPS) in Biological Sciences on 06-12-21.

2020

- Webinar by Asian Passific Association for study of liver (APASL) Entitled 1. Rapid Virological Diagnosis of COVID-19. 2. Why Do So Many NASH Trails Fail on 11-07-2020.
- Webinar by Asian Passific Association for study of liver (APASL) Entitled 1. Drug Development for COVID-19. 2. Cessation of NUCs in CHB on 18-07-20.
- Webinar by Asian Passific Association for study of liver (APASL) Entitled HDV and HCC on 15-08-20.
- Webinar by Asian Passific Association for study of liver (APASL) Entitled 1. Coalition for Global Hepatitis Elimination 2. Combination of PEG-IFN plus NUCs in CHB on 22-08-2020
- Webinar by Asian Passific Association for study of liver (APASL) Entitled 1. Advances in liver transplantation for viral hepatitis. 2. HBV Reactivation -research in the past 3 decades on 26-09-2020.
- Webinar by Asian Passific Association for study of liver (APASL) Entitled Best Publication in Journal of Hepatology on 5-12-2020.

2019

- Pre-workshop under 2nd International Conference on Quality Assurance at University of Education Lahore on 23rd April 2019.

2018

- Two days Dialogue on promoting social harmony and critical consciousness by Pak institute for peace studies (PIPS) from 5-6 December 2018.
- International Workshop on Animal Handling and Modelling for Advanced Research by University of Veterinary and Animal Sciences from December 19-20, 2018.

PROFESSIONAL COLLABORATIONS:

- Collaboration for Internship of the university students at Fatimid Foundation from 2019 till Date.
- Collaboration for Internship of the University students at Sundas Foundation from 2022 till Date.

CONVENER/MEMBER/ADVISOR/INCHARGE COMMITTEES/SOCITIES:

1. In charge Blood Donor Society 2018

2. Deputy In charge Universal Management System (UMS) 2018-21
3. Member Discipline Committee 2019
4. Convener Anti Dengue Committee 2019-21
5. Female Coordinator Annual sports committees 2019
6. Member Thesis Evaluation Committee 2019
7. Member Admission Committee 2019
8. Advisor Blood Donor Society 2019
9. Member Final Evaluation of Teaching Practice Fall 2020.
10. Deputy In charge UMS 2020
11. Supervisor Short Term Teaching practice II Committees 2021
12. Member Impact ranking committee 2020
13. Member Discipline Committee 2020
14. Member Anti-Dengue Committee 2021
15. Member International Women's Day (Hall Management Committees) 2021
16. Focal person Coursera Program @ University of Education 2021
17. Member Interview of Visiting Teachers 2021
18. Member Campus Discipline Committee 2021
19. Member Department Assessment Committee 2021
20. Secretary Program Committee ZEST 2022
21. Member Anti-Drug & Tobacco Sub-Committee 2022
22. Focal person Coursera Program @ University of Education 2022
23. Incharge Blood Donor Society 2022
24. Coordinator Pink Ribon Youth Activities
25. Member Registration, Hall Management, Security and Medical & Health Committees ZEST 2023
26. Convene Sports Opening Ceremony Committee, Campus Annual Sports Gala 2022
27. Convene Sports Opening Ceremony Committee, Campus Annual Sports Gala 2023
28. Member March Pass Committee Sports Gala 2023.
29. Convener Animal House Research Station at BRC Committee 2023.
30. Member Visiting Faculty Hiring Committee for Fall 2023
31. Department In charge Universal Management System (UMS) 2023.
32. Member Visiting Faculty Hiring Committee for Spring 2024.
33. Member Admission Committee Fall 2024.
34. Member 11th Convocation Campus Committee 2024.
35. Member Synopsis Review Committees 2024.
36. Member Department of Zoology Board of Studies Committee 2024-25
37. Member Ethical Committee of Campus 2025.
38. Convener Visiting Faculty Hiring Committee for Spring 2025.
39. Focal Person Universal Management System (UMS) 2025.
40. Incharge Animal House Research Station 2025.

RESEARCH EXPERIENCE AND SKILLS:

Five years research experience in the field of Environmental Microbiology/industrial biotechnology, Paleontology, and Cell and Molecular Biology regarding.

- Pure culture techniques
- Bacterial biochemical identification
- Staining technique of suspended atmospheric particulate heavy metals
- Handling of UV-spectrophotometer, centrifuge
- Animals handling
- Hematology and serology
- Histology
- DNA, RNA extraction
- c DNA synthesis
- PCR
- Gene cloning
- SDS-PAGE
- Light Microscopy.
- Knowledge of following Computer applications and software:
- MS Word
- MS Excel
- MS Power Point
- Prism 5.01
- Reference manager 12
- Total lab
- Minitab 16
- Image J
- The ability of using creative, conceptual or inductive reasoning.
- Experience of working in many difficult teams and roles within teams.
- Adapted and integrated successfully to different cultures.
- The ability to understand and respect the practices, customs and values of other individuals and cultures.

PROFESSIONAL MEMBERSHIP:

Life Fellow of Zoological Society of Pakistan.

PERSONAL INFO:

Name:	Dr. Afshan Syed Abbas
Father Name:	Syed Abbas Ali Shah
Husband's Name:	Syed Asad Ali Shah
DOB	13-10-1982
CNIC No:	35202-2786575-0
Domicile:	Punjab (Lahore)
Marital Status:	Married

REFERENCES

- 1- Prof. Dr. Nadeem Sheikh, Vice Chancellor University of Mianwali. Email address: s_nadeem77@yahoo.com. Mobile # 92-3224222036.
- 2- Prof. Dr. Najma Shaheen, Department of Zoology, IMBB/CRIMM, The University of Lahore, Lahore, Pakistan. Email address: najmaarshad@gmail.com. Mobile # 92-3238804044.
- 3- Dr. Sumaira Aslam, Assistant Professor, Department of Zoology, Government College for Women University, Faisalabad. Email address: sumaslam@gmail.com. Mobile # 92-3334932868.