

# CURRICULUM VITAE

## **Dr. AFSHAN SYED ABBAS**

*Department of Zoology, University of Education , Lower Mall, Lahore*

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## **PASSION**

To work with confidence in attaining knowledge and experience in the molecular science and to use my problem solving and analytical skills in the best favor and intact satisfaction of the organization.

## **QUALIFICATION**

<b>PhD Zoology</b> Cell & Molecular Biology	Session 2008-2014 (CGPA: 4.0/4.0, percentage: 88.22%)
<b>Research topic</b>	<b>“Fat induced inflammation, iron overload and the impact of fat reducing agents on <i>Rattus norvegicus</i>”.</b>
<b>Institution</b>	Department of Zoology, University Of the Punjab Lahore, Pakistan.
<b>MS/M.Phill Zoology</b> <b>Research Topic</b>	Session: 2006 - 2008 (CGPA: 3.46/4.0) <b>“Alicornops species from the Kamlial formation, Siwaliks Pakistan.”</b>
<b>Institution</b>	Department of Zoology, University of the Punjab, Lahore. Pakistan.
<b>B.S. ZOOLOGY</b> <b>Project Report topics:</b>	Jan 2002 - Feb 2006 (CGPA: 3.49/4.0) 1- <b>“Suspended atmospheric particulate matter of urban areas.”</b> 2- <b>“Suspended atmospheric particular matter and heavy metals of of urban areas”.</b>
<b>Institution</b>	Department of Zoology, University Of the Punjab Lahore, Pakistan.
<b>INTERMEDIATE</b> <b>Institution</b>	2001 (789/1100, percentage: 71.72%) Government Islamia college for women Cooper road, Lahore.
<b>MATRICULATION</b> <b>Institution</b>	1998 (686/850, percentage: 80.70%) Govt. Fatima Jinnah girls high school, Misri shah Lahore.
<b>OTHERS</b>	Passed Graduate Assessment Test (GAT)-Subject held on 27 <sup>th</sup> February, 2011.

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## WORK EXPERIENCE

Assistant Professor (TTS) **Oct 2018 till date** at Department of Zoology, University of Education, Lower Mall Campus, Lahore.

Assistant Professor (Visiting) **October 2017 to July 2018** at Department of Zoology, University of Education, Bank Road Campus Lahore.

Assistant Professor (Visiting) **March 2017 to July 2017** at Department of Zoology, University of Education, Township Campus, 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**
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## THESIS SUPERVISED

### MS

- Comparative effect of natural and synthetic pesticides on histopathology of rat's liver". (Session 2014-16).
- A Comparative Study of the Impact of Deltamethrin and Ocimum Tenuiflorum on Iron Metabolism Regulatory Genes in Wistar Rats". (Session 2014-16).
- Effect of Steroids on Iron Level in Wistar Rats (*Rattus norvegicus*). (Session 2018-20).
- Protective Potential of Quercetin Against Thioacetamide Induced Splenomegaly in Wistar Rats (*Rattus Norvegicus*). (Session 2019-21)
- Biodegradable Plastic Production from Banana Peel and Its Biodegradability Analysis. (Session 2019-21).
- Chitenolytic bacteria as biocontrol agents against fungal decay on lemon. (Session 2020-22).

### MSc

- Hematological & Serological Alterations in Anabolic Steroids Abuse in Wistar Rats (*Rattus norvegicus*). (Session 2017-19).
- Impact of Anabolic Steroids on Kidneys of Wistar Rats. (Session 2017-19).
- Effect of Decadurabolin on Heart in Wistar Rats (*Rattus norvegicus*). (Session 2017-19)

- Histological Variations in Muscles of Anabolic Steroids Treated Wistar Rats (*Rattus norvegicus*). (Session 2017-19).
- Decadurabolin Induced Histological Alterations in Liver of Wistar Rats (*Rattus norvegicus*). (Session 2017-19).
- Evaluation of Effect of High Energy Diet on Heart and Intestine of Wistar Rats. (Session 2018-20).
- Prevalence of ABO Blood group in different types of Haemophilia from Lahore, Punjab. (Session 2018-20).
- Prevalence of Thalassemia Minor in Pakistan with Different Blood Groups from Central Punjab Pakistan. (Session 2018-20).
- Prevalence of ABO Blood Groups in different types of Haemophilia from Lahore, Punjab. (Session 2019-21).
- Evaluation of antibacterial potential of chickpea seed extract and lemon juice. (Session 2019-21).
- Prevalence of Viral Hepatitis in Haemophilic Patients in Lahore, Punjab. (Session 2019-21).
- Study of Hemophilic anomalies from Lahore, Punjab. (Session 2019-21).

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## **THESIS EVALUATED FOR AWARD OF BS & M.SC. 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).

### **MSc.**

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

### **MS/MPhil**

4. Samia Zahid. Optimization of Citrus Waste as Carbon Source for Pectinase Production by Bacteria. Department of Zoology, Government College for Women University, Faisalabad. (2021).
5. 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).
6. 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).
7. 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).
8. 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).

9. 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).
10. 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).

## **EXAMINING RESPONSIBILITIES FOR PhD, M. Phil.; BS. EXAMS OF THE LAHORE COLLEGE & OTHER UNIVERSITIES:**

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### **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 practicals exams or different courses of Department of Zoology, Lahore College for Women University and University of Education Lahore.

## **AWARDS RECEIVED**

- 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 7<sup>th</sup>, BS, awarded by University of the Punjab.
- Merit Scholarship 2003, Semester 3<sup>rd</sup>, BS, awarded by University of the Punjab.
- Merit Scholarship 2002, Semester 1<sup>st</sup>, BS, awarded by University of the Punjab.

## **RESEARCH PROJECTS**

<b>YEARS</b>	<b>SPONSOR</b>	<b>GRANT (PAK. RS.)</b>	<b>TITLE OF THE RESEARCH</b>
2015-TILL DATE	HEC	247900/-	Natural/Synthetic pesticides Induced Hepatic Toxicity & Variations In Iron Metabolism Regulatory Genes In <i>Rattus Norvegicus</i>

## **RESEARCH PAPERS PUBLISHED**

---

**2023**

- **Afshan Syed Abbas** , Muddasir Hassan Abbasi , Muhammad Babar Khawar, Sheeba Batool , Faiza Jabeen , Asia Shad and Nadeem Sheikh. 2023. 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 2023, 3 (2).

## 2022

- **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> 2021
- **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).
- **TAYYAB K. ASLAM S., GHOURI MA. ABBAS AS. AND HUSSAIN A.,** Consequential study on different levels of C/N ratios used in biofloc-based aquaculture system. Brazilian Journal of Biology. ISSN 1678-4375
- **CHAUDHARY A, AKRAM AM, AIHETASHAM A., HUSSAIN Z, ABBAS AS.** etal., Punica granatum waste to ethanol valorisation employing optimized level of saccharification and fermentation. Saudi Journal of Biological Sciences 28(2021) 3710-3719.
- **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).

## 2018

- **ABBAS A. S., MANZOOR F., SHEIKH N., SHAHZAD K., and TANVEER M.** 2018. Deltamethrin-induced alteration of iron metabolism in Wistar rats. *Toxicology and Environmental Chemistry*. 100 (5-7): 601-606.

## 2017

- **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

- **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.

## 2015

- **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).

## 2014

- **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.
  - TASLEEM AKHTAR1, SHEIKH N., MUDDASIR H. ABBASI AND **ABBAS A.S.** Effects of *Nerium oleander* leaves extract against Thioacetamide induced Liver injury. *Biologia* **60** (1), 37-41.
  - **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.
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## WORK PRESENTED/ PUBLISHED (ABSTRACTS, POSTERS)

### 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 7 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 Passific 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.** Impact of fatty diet on the serum protein profile of weaning Wistar rats, accepted for the 22nd Conference of the Asian Pacific Association for the Study of the Liver, APASL 2012, going to take place in Taipei, Taiwan, February 16-19 Feb, 2011. *Hepatology International*.
- **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.

## CONFERENCES/ SEMINAR / WALKS ORGANIZED

#### 2022

- First Two Days International Conference of Zoology: Zoological Emerging Scientific Trends (ZEST) from 18<sup>th</sup> -19<sup>th</sup> March., 2022.

#### 2021

- Webinar on potential of sericulture industry for poverty Alleviation on 12-06-21.

#### 2019

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

#### 2018

- Seminar on Bone Health and Arthritis on 12-12-2018.

## CONFERENCES/SYMPOSIUMS/WORKSHOPS ATTENDED

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## **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**

- 33<sup>rd</sup> 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**

- 32<sup>nd</sup> 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**

- 31<sup>st</sup> 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**

- 30<sup>th</sup> Pakistan congress of zoology held under the auspices of zoological society of Pakistan at university of Agriculture, Faisalabad on March 2-4, 2010.

## **2009**

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

## **2006**

- 26<sup>th</sup> 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 14<sup>TH</sup> to 15<sup>TH</sup>, October 2015, at Lahore College for Women University, Lahore.
- Attended two days training workshop on **BIOSAFETY AND BIOSECURITY** held on 18<sup>th</sup> to 19<sup>th</sup> 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 31<sup>st</sup> March- 1<sup>st</sup> April, 2011 under the auspices of IBA department university of Punjab, Lahore.

### **2010**

- Workshop on **“Haemcon 2010; Evidence based haematology”** 12<sup>th</sup> National Haematology Conference (9<sup>th</sup> -16<sup>th</sup> 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**

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### **2022**

- Two-day workshop **Promoting Research Excellence in Academic across Pakistan** by Higher Education Commission, Pakistan from 1<sup>st</sup> -2<sup>nd</sup> 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 Pacific Association for study of liver (APASL) Entitled 1. Rapid Virological Diagnosis of COVID-19. 2. Why Do So Many NASH Trials Fail on 11-07-2020.
- Webinar by Asian Pacific 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 Pacific Association for study of liver (APASL) Entitled HDV and HCC on 15-08-20.
- Webinar by Asian Pacific 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 Pacific 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 Pacific Association for study of liver (APASL) Entitled Best Publication in Journal of Hepatology on 5-12-2020.

## **2019**

- International Workshop on Animal Handling and Modelling for Advanced Research by University of Veterinary and Animal Sciences from April 23-25, 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.

## **PROFESSIONAL COLLABORATIONS:**

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- 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:**

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- Incharge Blood Donor Society 2018- till date
- Focal person Coursera Program @ University of Education 2021 -till date
- Member Anti-Dengue Committee 2021-till date
- Convener Anti Dengue Committee 2019-21
- Deputy Incharge Universal Management System (UMS) 2018-21
- Female Coordinator Annual sports committees 2019
- Member Thesis Evaluation Committee 2019
- Member Admission Committee 2019
- Member Teaching practice Committees 2020
- Member Impact ranking committee 2020
- Member Discipline Committee 2020-till date
- Member International Women's Day (Hall Management Committees) 2021

- Member Interview of Visiting Teachers 2021
- Member Department Assessment 2022
- Member Anti-Drug & Tobacco Sub-Committee 2022
- Member Zoological Society of University of Education, LMC, Lahore 2022
- Member Inter Campus Annual Sport Gala 2022

## **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 cleaning
- SDS-PAGE
- Light Microscopy.
- Basic knowledge of following Computer applications and software:
  - a. MS Word
  - b. MS Excel
  - c. MS Power Point
  - d. Prism 5.01
  - e. Reference manager 12
  - f. Total lab
  - g. Minitab 16
  - h. 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.

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## **PROFESSIONAL MEMBERSHIP:**

Life Fellow of Zoological Society of Pakistan.

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## **PERSONAL INFO**

**Father Name:** Syed Abbas Ali Shah  
**Husband's Name:** Syed Asad Ali Shah  
**DOB** 13-10-1982  
**NIC No:** 35202-2786575-0  
**Domicile:** Punjab (Lahore)  
**Marital Status:** Married  
**Children:** Two

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## **REFERENCES**

- 1- Dr. Nadeem Sheikh Assistant professor, Department of Zoology, University of the Punjab, Lahore. Email address: [s\\_nadeem77@yahoo.com](mailto:s_nadeem77@yahoo.com). Mobile # 03224222036.
  - 2- Dr. Najma Shaheen, Assistant professor, Department of Zoology, University of the Punjab, Lahore. Email address: [najmaarshad@gmail.com](mailto:najmaarshad@gmail.com). Mobile # 03238804044.
  - 3- Dr. Sumaira Aslam, Assistant Professor, Department of Zoology, Government College for Women University, Faisalabad. Email address: [sumaslam@gmail.com](mailto:sumaslam@gmail.com). Mobile # 03334932868.
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