



## ► DR. SYED SHAHID IMRAN BUKHARI

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| Objectives             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                        | By working in a professional and cooperative environment, I want to excel my knowledge and experience in Biomedical research and achieve the goals for the betterment of human kind.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Educational Background |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                        | <p>► <b>Ph.D.</b> (2015-2021)<br/>Institute of Zoology, University of the Punjab (54590), Lahore- Pakistan.<br/><b>Thesis title</b><br/>"Correlation between indoor air quality and asthmatics of Lahore-Pakistan"<br/><b>CGPA:</b> 3.98/4.00.<br/><b>Techniques and Responsibilities:</b> Spirometry of asthmatic patients. Study of indoor air quality of Lahore. Particulate matter (PM<sub>01</sub>, PM<sub>2.5</sub>, PM<sub>10</sub>, PM<sub>Total</sub>) study in the houses of asthmatics on different locations of 9 towns of Lahore. Air sampling of indoor of asthmatic patients and isolation of various strains of bacteria and fungi found in the indoor air.</p> |
|                        | <p>► <b>M.phil.</b> (2012-2014)<br/>Department of Zoology, Government College University, Lahore-Pakistan.<br/><b>Thesis title</b><br/>"Potential efficacy of <i>Cinnamon</i> and <i>Aloe vera</i> for the treatment of Type 2 diabetes in vivo"<br/><b>CGPA:</b> 3.23/4.00.<br/><b>Techniques and Responsibilities:</b> Diabetes induction in mice using alloxan monohydrate. Study of blood chemistry of diabetic and normal mice. Processing of liver, pancreas and lungs tissues for histology. Use of aqueous plant extract for oral treatment of diabetic mice treatment.</p>                                                                                             |
|                        | <p>► <b>M. Sc</b> (1995-1997)<br/>Department of Zoology, University of the Punjab (54590), Lahore-Pakistan.<br/><b>Thesis title</b><br/>"Characterization of endosulfan degrading bacteria from soil and water samples"<br/>• Second Division<br/><b>Techniques and Responsibilities:</b> Isolation and characterization of endosulfan degrading bacteria from water and soil samples collected from Qasur and adjacent areas. Assessment of physical and chemical characterization of isolated strains.</p>                                                                                                                                                                    |

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|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         | Plasmid isolation and transformation of selected strains. Multiple metals and antibiotic resistance of insecticide degrading strains.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Teaching and Research Experience</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                         | <p>► <b>Assistant Professor of Zoology (18.10.2017 to date)</b><br/>Govt Graduate College of Science Wahdat Road Lahore.<br/><b>Responsibilities:</b> Involvement in teaching postgraduate students and supervision of the postgraduate students in their research projects and departmental activities.</p>                                                                                                                                                                                    |
|                                         | <p>► <b>Lecturer in Zoology (09.09.2002 to 18-10-2017)</b><br/>Govt Graduate College of Science Wahdat Road, Lahore.<br/><b>Responsibilities:</b> Taught intermediate classes and courses on molecular biology, genetics and biological techniques, wildlife, animal behaviour &amp; economic zoology to B.S. classes. Animal biodiversity and wildlife to M.Sc. classes. Supervision of the graduate and postgraduate students in their research projects and departmental administration.</p> |
| <b>Skills</b>                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                         | <ul style="list-style-type: none"> <li>• Gel electrophoresis</li> <li>• DNA extraction</li> <li>• Microtomy</li> <li>• Tissue processing and histology</li> <li>• Spirometry</li> <li>• PM analysis</li> </ul>                                                                                                                                                                                                                                                                                  |

### Publication/Books

- Compiled a book on wildlife “AN EASY APPROACH TO WILDLIFE”
- Compiled a book on Animal behaviour “AN EASY APPROACH TO ANIMAL BEHAVIOUR”
- Compiled a book on Laboratory techniques “BIOLOGICAL TECHNIQUES”

### Peer reviewer

- BIOLOGIA (Pakistan).
- INDOOR AND BUILT ENVIRONMENT.

### Administrative Responsibilities

- In charge Central Research Laboratory of Zoology Department at Govt. Graduate College of Science-Lahore.
- Paper setter/Internal Examiner for M.Sc. (Animal Biodiversity & Wildlife) and B.S. (Animal behaviour, Wildlife & Economic zoology).
- Appointed as member of inspection Committee to check /inspect the quality of Lab. equipment for colleges in Lahore Division.
- In charge Admission BS Zoology.

**Publication/Research Paper**

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| 1  | BUKHARI, S. S. I., ALI, S. S. AND SHAKOORI, A. R., 2001. Genetic basis of resistance in endosulfan degrading bacterial strains collected from polluted soil sample. <i>Biologia (Pak)</i> , 47(1 & 2): 9-20.                                                                                                       |
| 2  | BUKHARI, S. S. I., ABBASI M.H, AND KHAN, M, K, A., 2015. Dose optimization of Alloxan for diabetes in albino mice. <i>Biologia (Pak)</i> , 61(2): 301-305.                                                                                                                                                         |
| 3  | BUKHARI, S. S. I, JAHAN, N. AND BATOOL, A., 2015. Effect of <i>Cinnamomum tamala</i> and <i>Aloe barbadensis</i> on Kidney Functioning in Diabetic Mice. <i>Biologia (Pak)</i> , 61(2): 249-255.                                                                                                                   |
| 4  | BUKHARI, S. S. I. AND ALI, S. S., 2015. Plasmid mediated bioremediation potential of some bacterial isolates from aquatic environment. <i>Sci. Int.(Lahore)</i> , 27(6): 6119 6124.                                                                                                                                |
| 5  | BUKHARI, S. S. I., JAHAN, N. AND BATOOL, A., 2016. <i>Cinnamomum tamala</i> (Daar Cheeni) Aqueous Extract as Antidiabetic and Antihypercholestermic in Alloxan Induced Diabetic Mice. <i>Biologia (Pak)</i> , 62(2): 313-321.                                                                                      |
| 6  | BUKHARI, S. S. I., 2016. Effect of Aloe vera and Cinnamomum tamala on body weight and feed intake of induced diabetic mice. <i>Pak. J. sci.</i> 68(4): 380-386.                                                                                                                                                    |
| 7  | ABBASI, M. H., SHARIF, Z., BUKHARI, S. S. I., KANWAL, S., KHAWAR, M. B. AND SHEIKH, N., 2016. Hepatohistological study of <i>Mus musculus</i> exposed in Metallurgical Workshop. <i>Biologia (Pak)</i> , 62(2): 395-398.                                                                                           |
| 8  | ABBASI, M. H., Fatima, N., BUKHARI, S. S. I., KHAN, R. A., SHEIKH, N., 2016. Variations in proteins and transaminases experimental induction of Bisphenol A in mice <i>Punjab Univ. J. Zool.</i> , 31(2): 187-191.                                                                                                 |
| 9  | ABBASI, M. H., BUKHARI, S. S. I., USMAN, M., KANWAL, S. AND SHEIKH, N., 2016. An attempt to find a rapid and cost effective method of protein isolation from hepatic tissue of mammals. <i>Sci. Int. (Lahore)</i> , 28(3): 2633-2635.                                                                              |
| 11 | BUKHARI, S. S. I., AZAM, I., ABBASI, M. H., DAUD, M., SHEIKH, N., BATOOL, A., MAHMOOD, R. AND MUKHTAR, M., 2018. Effect of Alloxan on IL-6 Gene Expression in <i>Mus musculus</i> . <i>Biologia (Pak)</i> , 64(1): 69-73.                                                                                          |
| 12 | BUKHARI, S. S. I. AND ALI, Z., 2019. Asthma treatment by practitioners in Lahore-Pakistan. <i>Biologia (Pak)</i> , 65(2): 20-28.                                                                                                                                                                                   |
| 13 | ZAHEER, M., BUKHARI, S. S. I., ABBASI, M.H., JAVED, S. AND IRFAN, M., 2019. Bacterial Exopolysaccharides: sources, production and applications. Pakistan. <i>Biologia (Pak)</i> , 65(2): 45-52.                                                                                                                    |
| 14 | BUKHARI, S. S. I. ALI, Z. AND AHMAD, R., 2020. Air-borne concentrations of Pm(10) and Pm(total) in residential. <i>Biologia (Pak)</i> , 66(1): 27-36.                                                                                                                                                              |
| 15 | BUKHARI, S. S. I. AND ALI, Z., 2020. Assessment of asthma causes identified by spirometry in Lahore, Pakistan. <i>Int J Biosci.</i> 17(6): 202-217.                                                                                                                                                                |
| 16 | BUKHARI, S. S. I. AND ALI, Z., 2021. Characterization of Bioaerosols and Particulate Matter (PM) in Residential Settings of Asthmatic Patients of Lahore, Pakistan. <i>Iran J Allergy Asthma Immunol.</i> 20(2):147-159. Doi: 10.18502/ijaa.v20i2.6048.                                                            |
| 17 | PRAVEEN, M., AIHETASHAM, A., KHAN, M. K. A., BUKHARI, S. S. I. AND MAHNOOR. 2021. Termicidal activity of <i>Dilbergia sisso</i> , <i>Hetrophragma adenophyllum</i> , <i>Grevia asiatica</i> and <i>Punica gratum</i> against subterranean termite <i>Hetrotermes indicola</i> . <i>Int J Biosci.</i> 19(1): 55-64. |
| 18 | BUKHARI, S. S. I., JAHAN, N., KHAN, M. K. A., ZAHEER, M AND JAVED, S. 2020. Antidiabetic and Antihypercholestermic Effect of <i>Aloe barbadensis</i> Gel Extract in Alloxan Induced Diabetic Mice. PUJZ. In Press.                                                                                                 |

**Trainings/ Workshops attended**

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| Six days training on “Lab refresher course” arranged by HED and Directorate of education (colleges) Lahore Division, Lahore. 06-12 Nov, 2021.                                                 |
| Resource person for six days training on “Lab refresher course” arranged by HED and Directorate of education (colleges) Lahore Division, Lahore. 26Aug-02 Sep, 2021.                          |
| One day workshop on “Species conservation & environmental techniques” held at UVAS Lahore-Pakistan, 20 April, 2018.                                                                           |
| 38th International Congress on Zoology, held at Department of Zoology, University of the Punjab, Lahore - Pakistan, 27Feb.-1st March, 2018.                                                   |
| One day workshop on “Recycling of domestic waste into organic fertilizers” held at UVAS Lahore organized by HEC. 23 Nov, 2018.                                                                |
| One day workshop on “National workshop on biodiversity assessment” held at GCU Lahore organized by NAYS. 20 Jan, 2016.                                                                        |
| Workshop on “Techniques for Biodiversity Assessment and Aerobiological Monitoring for Ecosystem Health” held at, Department of Zoology, University of Punjab, Lahore- Pakistan. 6-7 Feb, 2015 |
| Twelve days trainings on “Short term in-service training of college teachers” held at University of Education, Lahore. 08-19 Sep, 2014.                                                       |
| One day workshop on “International conference on innovative biological and public health” held at GCU Lahore. 06 Aug, 2014.                                                                   |
| One day workshop on RECENT TRENDS IN BIOLOGICAL RESEARCH held at GCU Lahore. 28 Jan, 2013.                                                                                                    |
| One day seminar on “Prevention and control of dengue vector” held at GCU Lahore. 05 Aug, 2012.                                                                                                |
| 32 <sup>nd</sup> International Congress on Zoology, held at GC University, Lahore-Pakistan, 2012.                                                                                             |
| Seminar on “Dengue fever prevention and control” held at Hajvery Hall, Govt. College of Science, Wahdat Road, Lahore- Pakistan. 12. Oct, 2011.                                                |
| Workshop on “Dengue fever myths and awareness” held at Bukhari Auditorium, Govt. College University, Lahore- Pakistan. 27. Sep, 2011.                                                         |
| Two days training on “Human resource management” held at PAKISTAN MANPOWER INSTITUTE Islamabad. 21-22 Dec, 2009.                                                                              |
| Five days training on “Museum curation and management” held at GCU Lahore organized by HEC. 09-13 Jan, 2007.                                                                                  |