

CURRICULUM VITAE

MUHAMMAD ADNAN SHAN

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ACADEMIC QUALIFICATION

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| 2012-14 | M. Phil. (Molecular Biology)
National Centre of Excellence in Molecular Biology
University of the Punjab, Lahore, Pakistan. |
| 2003-06 | M. Sc. (Applied Chemistry)
Department of Chemistry
University of Engineering and Technology, Lahore, Pakistan. |
| 2000-02 | B.Sc. (Zoology, Botany & Chemistry)
Govt. Degree College Gujranwala,
University of the Punjab, Lahore, Pakistan. |
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PROFESSIONAL APPOINTMENTS:

- **Assistant Research Officer)** April 2006 – March 2008
Centre for Applied Molecular Biology (CAMB),
Ministry of Science and Technology, Lahore, Pakistan.
- **Research Officer)** April 2008 – To date
Centre for Applied Molecular Biology (CAMB),
University of the Punjab, Lahore, Pakistan.

TECHNICAL SKILLS:

- DNA / RNA Isolation
- Polymerase Chain Reaction
- Western Blotting
- Real-Time PCR
- DNA Genotyping & Sequencing
- Biostatistical Genomic Data Analysis

PUBLICATIONS:

- **Shan MA**, Tahira F, Shafique M, Hussain M, Perveen R, Shahzad M, Ehsan F, Ali Q, Iqbal M (2015). Estimation of Different Biochemical Intensities in Drinking Water from Eastern Region of Lahore City. *Advancements in Life Sciences* 2: 131-134.
- Shafique M, **Shan MA**, Hussain M, Shahzad M, Perveen R, Hussain S, Hussain N, Iqbal M (2015). Genetic polymorphism of 15 autosomal STR in Southern Punjabi population of Pakistan. *Forensic Science International: Genetics*
- Shafique M, Shahzad MS, **Shan MA**, Ali A, Rahman Z, Husnain T (2014). Genetic polymorphism of ten MiniSTR loci in the population of Punjab Pakistan for forensic application. *International Journal of Legal Medicine*, 1-6.

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- Perveen R, Rahman Z, Shahzad MS, Israr M, Shafique M, **Shan MA**, Zar MS, Iqbal M (2014). Y-STR haplotype diversity in Punjabi population of Pakistan. *Forensic Science International: Genetics*, 9, e20-e21.

INTERNATIONAL TRAININGS:

- A Training Course at Strand Analytical Laboratories, Indianapolis, Indiana, USA in DNA Short Tandem Repeat (STR) Analysis Using ABI 310 Genetic Analyzer from Sep. 10, 2007-Dec. 31, 2007.
- A Training Course at Strand Analytical Laboratories, Indianapolis, Indiana, USA in Business Ethics from Sep. 10, 2007-Dec. 31, 2007.
- A Training Course at Strand Analytical Laboratories, Indianapolis, Indiana, USA in Expert Witness Testimony from Sep. 10, 2007-Dec. 31, 2007.

CONFERENCE/SYMPOSIA ATTENDED:

- Attended 18th International Symposium on Human Identification held on October 01-04, 2007 sponsored by Promega Corporation at Hollywood, California USA.
- Attended International Symposium on Molecular Forensic: Emerging Trends held on May 29, 2014 at University of Health Sciences, Lahore Pakistan.
- Attended a 11th Training Workshop on Modern Forensic Techniques for Crime Scene Search and Investigations, jointly organized by Strand Analytical Laboratories Indiana, USA and Center Of Excellence in Molecular Biology, Lahore, Pakistan (July 19, 2008).
- Attended a 9th Training Workshop on Modern Forensic Techniques for Crime Scene Search and Investigations, jointly organized by Strand Analytical Laboratories Indiana, USA and Center of Excellence in Molecular Biology, Lahore, Pakistan (November 21-22, 2007).

- Attended a 7th Training Workshop on Modern Forensic Techniques for Crime Scene Search and Investigations, jointly organized by Strand Analytical Laboratories Indiana, USA and Center of Excellence in Molecular Biology, Lahore, Pakistan (December 15-16, 2006).

- A 6th Training Workshop on Modern Forensic Techniques for Crime Scene Search and Investigations, jointly organized by Forensic Laboratory, Indianapolis, Marion County. USA and Centre of Excellence in Molecular Biology, Lahore, Pakistan (July 14-15, 2006).

- Attended 12th “Shaukat khanum Cancer Symposium” held on Nov. 29 - Dec 1, 2013 at Pearl Continental (PC) Hotel, Lahore Pakistan.

- Attended a Training Course on “Advances in Applications of Molecular Biology” organized by Centre of Excellence in Molecular Biology (CEMB) University of Punjab, Lahore Pakistan (Dec 19-23, 2011).

- Attended a Conference on DNA Day & NAYS-Emerging Ideas held on April 25, 2013 jointly organized by National Academy of Young Scientists (NAYS) Pakistan and Center of Excellence in Molecular Biology, Lahore, Pakistan sponsored by The Emerging Nations Science Foundation (ENSF).

- Attended 1st National Conference on Integrated Role of Forensic Sciences in Criminal Justice System held on September 25, 2014 at The University of Lahore, Lahore Pakistan.

- Attended a Training Workshop on Collection, Preservation and Dispatch of Evidence material in Sexual Assault organized by Center of Excellence in Molecular Biology and Center for Applied Molecular Biology, Lahore, Pakistan (March 28, 2009).