

Dr. Muhammad Hassan Siddiqi

M.Sc., M.Phil. Ph.D.



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Qualification

- 2015 ***Ph.D. (Zoology)***
Department of Zoology, University of the Punjab, Quaid-i-Azam Campus
Lahore, Pakistan
- 2009 ***M.Phil. (Molecular Biology)***
Centre of Excellence in Molecular Biology (CEMB) University of the
Punjab, Lahore, Pakistan
- 2006 ***M.Sc. (Zoology)***
Department of Zoology, University of the Punjab, Quaid-i-Azam Campus
Lahore, Pakistan

Teaching and Research Experience

- September, 2015-Present Assistant Professor, Centre for Applied Molecular Biology
University of the Punjab,
Lahore, Pakistan
- January, 2012- July, 2015 Lecturer, Department of Zoology, University of the Punjab,
Lahore, Pakistan
- March, 2010- January, 2012 Research Scholar Department of Zoology, University of the
Punjab Lahore, Pakistan
- September, 2009- Feb., 2010 Part-time teacher, Department of Zoology, University of the
Punjab, Lahore, Pakistan
- 2006-2007 Molecular Biologist, Laraib Molecular Diagnostic Labs, Islamabad

Areas of Expertise/Skills

Molecular Biology (Techniques)

DNA/RNA Extraction
PCR/ Multiplex PCR/ RT-PCR
Genotyping of PCR product
Sequencing of PCR product
PAGE and agarose gel electrophoresis
Western Blotting
Haplotyping and Haplogrouping of human mitochondrial DNA (mtDNA)

PUBLICATIONS

Impact factor (IF) =12.99

- 2015 (IF: 1.441)** **Genetic characterization of the Makrani people of Pakistan from mitochondrial DNA control region data.** Muhammad Hassan Siddiqi, Tanveer Akhtar, Allah Rakha, Ghazanfar Abbas, Akram Ali, Naeem Haider, Azam Ali, Sikandar Hayat, Syeda Masooma, Jamil Ahmad, Muhammad A Tariq, Fazle Majid Khan. [J] **Legal Medicine 17: 134–139**
- 2015 (IF: 2.891)** **Presentation of MLL-AF4 and BCR-ABL at late childhood along with high frequency and poor survival in pediatric B-ALL identifies need for improvement of therapeutic strategies.** Zafar Iqbal, MPhil PhD Post-doctorate; Tanveer Akhtar; Tashfin Awan; Noreen Sabir; Mahmood Rasool; Muhammad Absar; Afia M Akram; Aamer Aleem; Masood A Shammas; Ijaz H Shah; Muhammad Khalid; Abid Taj; Abid Jameel; Abdullah Alanazi; Ammara Tariq Gill; Tayybah Shaheen; Jamil Amjad Hashmi; Akhtar Hussain; Muhammad Farooq Sabar; Ahmad M Khalid; Mehmood Hussain Qazi; Sajjad Karim; **Muhammad Hassan Siddiqi**; Amir Mahmood; Mudassar Iqbal. [J] **Molecular Diagnosis & Therapy. In Press.**
- 2015 (IF: 1.441)** **Mitochondrial DNA Control Region Sequences Study in Saraiki Population from Pakistan.** Sikandar Hayat, Tanveer Akhtar, **Muhammad Hassan Siddiqi**, Allah Rakha, Naeem Haider, Muhammad Tayyab, Ghazanfar Abbas, Azam Ali, Syed Yassir Abbas Bokhari, Muhammad Akram Tariq Fazle Majid Khan. [J] **Legal Medicine 17: 140–144**
- 2011 (IF: 2.09)** **Anti-apoptotic effect of HCV Core gene of Genotype 3a in Huh-7 cell line.** Shah Jahan, Saba Khaliq, **Muhammad Hassan Siddiqi**, Bushra Ijaz, Waqar Ahmad, Usman Ali Ashfaq, Sajida Hassan. [J] **Virology Journal**
- 2011 (IF: 1.26)** **HCV entry receptor as potential targets for siRNA based inhibition of HCV,** Shah Jahan, Bailla Samreen Saba Khaliq, Bushra Ijaz, Mahwish Khan, **Muhammad Hassan Siddiqi**, Waqar Ahmad, Sajida Hassan. [J] **Genetic Vaccines and Therapy.**

- 2010** (*IF* 2.597) **Forensic and genetic characterization of mtDNA from Pathans of Pakistan**, Allah Rakha, Kyoung-Jin Shin, Jung Ah Yoon, Na Young Kim, **Muhammad Hassan Siddique**, In Seok Yang, Woo Ick Yang, Hwan Young Lee [J] *Int J Legal Med*.
- 2008** (*IF*: 1.271) **Development of 19-plex YSTR system and polymorphism studies in Pakistani population**. Fraz Malik, Mahmood A Kayani, Muhammad Ansar, Obaid-ullah, Muhammad Shafeeq, Shahid Chohan, Yassir Abbas, Saqib Shahzad, Ali Raza, Rahat Rehman, Qurat-ul-ain, **Muhammad Hassan Siddiqi**, Allah-Rakha, Zia ur Rehman, Zahoor Ahmad. [J] *ACAD J XJTU*

SEQUENCES PUBLISHED ON GenBank DATABASE

GenBank: KM358171- KM358269

AUTHOR: Siddiqi, M. H., Mitochondrial DNA control region in Makrani population from Pakistan. (<http://www.ncbi.nlm.nih.gov/nuccore/KM358171>)

GenBank: KM358270- KM358380

AUTHOR: Siddiqi, M. H., Mitochondrial DNA control region sequence data of Kalashi population from Pakistan (<http://www.ncbi.nlm.nih.gov/nuccore/KM358270>)

WORKSHOPS / CONFERENCES / POSTER PRESENTATIONS

- March, 2015** The American Society of Haematology (ASH) 56th Annual Scientific Meeting Participation in educational activity titled “2015 Highlights of ASH in Asia” held in Bangkok, Thailand.
- May, 2014** International Symposium on Molecular Forensic: Emerging Trends Participation in educational activity titled “Molecular Forensic: Emerging Trends” held in University of Health Sciences, Lahore, Pakistan.
- March, 2014** The American Society of Haematology (ASH) 55th Annual Scientific Meeting Participation in educational activity titled “2014 Highlights of ASH in Asia” held in Singapore.
- April, 2013** Participated in 33rd Pakistan Congress of Zoology (International), Pakistan Museum of Natural history, Islamabad & PMAS Arid Agriculture University, Rawalpindi.
- October, 2012** “Research Ethics, Endnote and Turnitin” Participation in educational activity titled “Research Ethics, Endnote and Turnitin” held in University of Punjab, Lahore, Pakistan.
- March, 2012** Participated in 32nd Pakistan Congress of Zoology (International), Government College University, Lahore
- April, 2011** Participated in 31st Pakistan Congress of Zoology (International), University of Azad Jammu & Kashmir, Muzaffarabad

- April, 2010** Participated in 30st Pakistan Congress of Zoology (International)
GC University Faisalabad.
- May, 2005** Attended training course on 'Honey bee farming and management' at
Department of Zoology, University of the Punjab, Lahore.

REFERENCES

- 1) **Dr. Muhammad Akhtar**
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- 2) **Dr. Tanveer Akhtar**
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- 3) **Dr. Fazle Majid Khan**
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