

Curriculum Vitae

Dr Saima Younas

Assistant Professor

Molecular Diagnostics and Virology Lab,

Centre for Applied Molecular Biology,

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Education:

2023: PhD (Molecular Biology & Forensic Sciences) Division 1st

Centre for Applied Molecular Biology,

University of the Punjab Lahore

2012: Mphil (Molecular Biology) Division 1st

Centre of Excellence in Molecular Biology

University of the Punjab Lahore

2007: MSc (Biochemistry) Division 1st

Institute of Biochemistry and Biotechnology

University of the Punjab Lahore

Academic Positions

April 4, 2008-October 17, 2023:

Research Officer (BPS-17)

Centre for Applied Molecular Biology

(CAMB), University of the Punjab, Lahore

October 18, 2023- Continue:

Assistant Professor (BPS-19)

Centre for Applied Molecular Biology

(CAMB), University of the Punjab, Lahore

Curriculum Vitae

Research Interests

Antiviral resistance, Genetic Variability of viruses, virus pathogenesis, development of In house PCR based methods for detection of viral and bacterial diseases, Phage therapy for MDR bacteria, Molecular characterization of viral genes for drug resistance studies

Community Services

A) Molecular Diagnostics

- a) Providing PCR based molecular diagnostics services for detection of Hep B and Hep c to general public since 2008 and has generated revenue of millions.
- b) Organized free camps for screening of HCV and HBV to increase hepatitis awareness
- c) Molecular Diagnostics services for detection of SARS-CoV-2 during COVID-19 pandemic and generated revenue of 14 million in years 2020-2021

B) Academics

Teaching MPhill and PhD courses at CAMB, PU, Lahore

Projects

Received the research project grant of the University of the Punjab, for the fiscal year 2022-2023 “**Gene Sequencing of SARS-CoV-2 spike protein gene by Sanger Sequencing technique to identify potential variants circulating in Lahore**”

Research Thesis Supervised

Supervised two research thesis of M.Phil Molecular virology & Forensic Sciences

- 1) Maryam Iqbal (2021-2023)---Completed
- 2) Warda Perveez (2021-2023)---Completed

Publications

- 1) Z Awan, M Idrees, I Amin, S Butt, S Afzal, H Akbar, I Rehman, S Younas, Pattern and molecular epidemiology of Hepatitis B virus genotypes circulating in Pakistan. (2010) Infection, Genetics and Evolution 10 (8), 1242-1246. (**W category, IF: 4.4**)

- 2) G Zaidi, M Idrees, FA Malik, I Amin, M Shahid, **S Younas**, R Hussain, Z Awan. Prevalence of hepatitis delta virus infection among hepatitis b virus surface antigen positive patients circulating in the largest province of pakistan. (2010) *Virology journal* 7 (1), 283 (**W category, IF: 4.8**)
- 3) Butt S, Idrees M, Amin I, Younas S, Afzal S, Akbar H, Rehman IU. "Change in hepatitis C virus clades: A cross-sectional study of chronic HCV in Pakistan from 2000-2010." (2011) *Eur. J Clin Microbiol Infect. Dis.* Vol:30: pp:669-672. (**X category, IF: 2.83**)
- 4) Younas S, Amin I, Shahid M, Fatima Z, Idrees M. Detection of Salmonella enterica, Subsp. enterica Serovar Typhi in Dengue Virus Seropositive Samples. *Pakistan Journal of Zoology.* 2016,48(6): 1741-1746. (**X category, IF 0.6**).
- 5) Amin I, Younas S, Afzal S, Shahid M, Idrees M. Herpes Simplex Virus Type 1 and Host Antiviral Immune Responses: An Update. *Viral immunology.* 2019: 32(10):424-429. (**X category, IF:2.2**)
- 6) Amin I, Vajeeha A, Younas S, Afzal S, Shahid M, Nawaz R, Khan MU, Idrees M. HSV-1 Infection: Role of Viral Proteins and Cellular Receptors. *Critical reviews in Eukaryotic gene Expressions.* 2019;29(5):461-469. . (**X category, IF:1.84**).
- 7) Younas S, Sumrin A, Hussain N, Bilal M. (2022). Identification of NS5B resistance against SOFOSBUVIR in hepatitis C virus genotype 3a, naive and treated patients. *Journal of Applied Microbiology.* 00:1-9. (**X category: IF:4.0**)
- 8) Shakoor R , Hussain N, Younas S, Bilal M. (2022). Novel strategies for extraction, purification, processing, and stability improvement of bioactive molecules. *Journal of Basic microbiology.* doi: 10.1002/jobm.202200401. (**W category, If: 2.28**)
- 9) Younas S, Sumrin A. NS5A Resistance Associated Mutations to Daclatasvir in Hepatitis C Virus Genotype 3a Treatment Naive and SOF/DCV Treatment Failure Patients. *Pakistan J. Zool.*, pp 1-11, 2023. DOI: <https://dx.doi.org/10.17582/journal.pjz/20220907090942>. (**X category, IF 0.6**).
- 10) Maqsood Q, Sumrin A, Iqbal M, Younas S, Hussain N, Mahnoor M, Wajid A. Hepatitis C virus/Hepatitis B virus coinfection: Current prospectives. *Antivir Ther.* 2023 Aug;28(4):13596535231189643. doi: 10.1177/13596535231189643. (**W category,IF: 1.2**).
- 11) S Manzoor , S Younis, M Hussain, F Ehsan, N Sheikh, M H Abbasi Efficacy of direct-acting anti-viral therapy on chronic, naïve hepatitis C virus patients of Punjab, Pakistan: a cross-sectional study. *J Biol Regul Homeost Agents.* 2019;33(1):105-108. (**X category, IF: 3.2**)
- 12) Khan MU, Khokhar N, Ashraf MA, Ghani MU, Younas s, Amin I, Shahid M, InamUllah, Association between COVID-19 Infection Susceptibility and ABO Blood Groups and Rhesus Antigen: COVID-19 Infection Susceptibility and ABO Blood Groups. *Pak J of Health Sci.* 2023;4(10). (**Y category**)