

Dr. Amjad Ali

(HEC Approved Supervisor)

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JOB EXPERIENCE

September 2015-to date:	Assistant Professor Center for Applied Molecular Biology (CAMB), University of the Punjab, Lahore
January 2011-November-2013:	Research Associate Department of Biotechnology University of Malakand Chakdara Dir (L) KP, Pakistan
August 2008-August-2009:	Internee (Project support to scientific talent: awarded by HEC) Department of Genetics, Hazara University Mansehra, KP, Pakistan

EDUCATIONAL PROFILE

PhD Biotechnology 2015

University of Malakand, Pakistan

Title: *Prokaryotic expression and Molecular Characterization of Antigenic Recombinant Proteins Encoded by Hepatitis C Virus Structural Genes of Local 3a-Genotype*

MPhil Genetics 2010

Hazara University Mansehra, Pakistan

Title: *Molecular epidemiology of hepatitis C virus genotypes in North West Frontier Province of Pakistan*

MSc Genetics 2007

Hazara University Mansehra, Pakistan

Title: *Development of RAPD-based molecular markers for chromosome 5A of common wheat*

EXPERTISE & RESEARCH INTEREST

Health Biotechnology /Molecular Virology

PROJECTS IN PROGRESS/PROCESS

1. Expression of different immunoreactive forms of the hepatitis C Virus NS5A recombinant protein and their use for the development of ELISA assay. (SRG -HEC) 0.5 Million. PI. Awarded
 2. Strengthening/up-gradation of Molecular Virology Research Laboratory. PI Submitted to HEC in August 2017. 3 Million.
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PUBLICATIONS

1. Wahid B, Usman S, **Ali A***, Rafique S Idrees M (2017). Therapeutic Strategies of Clustered Regularly Interspaced Palindromic Repeats-Cas Systems for Different Viral Infections. *Viral Immunology* 30 (8):1-8. **IF. 1.432.**
2. Nazir, N, Jan, MR, **Ali A***, Asif, M, Idrees M (2017). Prevalence of hepatitis-C virus genotypes and potential transmission risks in Malakand Khyber Pakhtunhwa, Pakistan. *Virology Journal*. 14:160-169. **IF. 2.139.**
3. Wahid B, **Ali A***, Rafique S Idrees M (2017). Current status of therapeutic and vaccine approaches against Zika virus. *European Journal of Internal Medicine*. In press Available online. **IF 2.96.**
4. **Ali A**, Wahid B, Rafique S Idrees M (2017). Advances in research on Zika virus. *Asian Pacific Journal of Tropical Medicine*. 10(4): 321–33. **IF 1.225.**
5. Wahid B, **Ali A***, Rafique S Idrees M (2017). New Insights into the Epigenetics of Hepatocellular Carcinoma. *BioMed Research International*. 10(5): 1-16. **IF 2.476**
6. S. Ullah, M. Aslamkhan, **A. Ali**, M. Idrees (2017). Causes of deafness in the Punjab region of Pakistan and the role of consanguinity. *Public health* 145: 93-95. **IF 1.538.**
7. Wahid B, **Ali A***, Rafique S Idrees M (2017). Rising relapse rate in hepatitis C virus type 3a-infected patients against sofosbuvir and ribavirin combination therapy: a Pakistani experience. *Eur J Gastroenterol Hepatol*. 29(8):979-980. **IF 2.152**
8. Wahid B, **Ali A***, Rafique S Idrees M (2017). Global expansion of chikungunya virus: mapping the 64-year history. *International Journal of Infectious Diseases* 58 (2017) 69–76. **IF 2.532.**
9. Usman Mirza M, Rafique S, **Ali A**, Salo-Ahen OM, Idrees M (2016). Towards peptide vaccines against Zika virus: Immunoinformatics combined with molecular dynamics simulations to predict antigenic epitopes of Zika viral proteins. *Nature Scientific Reports* 9; 6:37313. **IF 5.525.**
10. Wahid B, **Ali A***, Rafique S Idrees M (2016). Immunotherapeutic strategies for sexually transmitted viral infections HIV, HSV and HPV. *Cellular Immunology*. 310 (2016) 1–13. **IF 3.173.**
11. Wahid B, **Ali A**, Rafique S, Idrees M (2016). Zika: As an emergent epidemic. *Asian Pacific Journal of Tropical Medicine*. 2016; 9(8): 723–729. **IF 1.225.**
12. **Ali A**, Nisar M, Idrees M, Rafique S, Iqbal M (2015). Expression of Hepatitis C Virus Core and E2 antigenic recombinant proteins and their use for the development of diagnostic assays. *International Journal of Infectious Diseases*; 34:84–89. **IF 2.57.**
13. Waqas W, Parveen F, Waqar M, **Ali A**, Khan MA, Wasim M (2015). Distribution Pattern of Various Genotypes of HCV Circulating in District Mardan, Khyber Pakhtunkhwa, Pakistan. *Advances in Biological Research*; 9 (2): 69-74, 2015.
14. Rafique S, Idrees M, **Ali A**, Sahibzada KI, Iqbal M (2014). Generation of infectious HCV pseudo typed particles and its utilization for studying the role of CD81 & SRBI receptors in HCV infection. *Mol Biol Rep*; 11033:014-3247. **IF 2.51.**
15. Sabri S, Idrees M, Rafique S, **Ali A**, Iqbal M (2014). Studies on the role of NS3 and NS5A non-structural genes of hepatitis C virus genotype 3a local isolates in apoptosis. *International Journal of Infectious Diseases*; 25:38–44. **IF 2.57.**
16. Rafique S, Idrees M, **Ali A**, Iqbal M (2014). Studies on the role of neutralizing antibodies against envelope genes in resolving HCV pseudo-particles infection. *Mol Biol Rep*; 11033:014-3262. **IF 2.51.**
17. Waqar M, Khan AU, **Ali A**, Wasim M (2014). Prevalence and Molecular Determination of Hepatitis C Infection in Khyber Pakhtunkhwa, Pakistan. *Arch Clin Infect Dis*; 9(3): 172-75.
18. Rehman HU, Wasim M, Waqar M, **Ali A**, Khan AU (2014). Seroprevalence of HBV infection and viral loads in chronic in outpatients attending a district hospital located in Mardan Pakistan. *International journal of biosciences*; 4:24-38. **IF 0.553**
19. Ali L, Idrees IM, Ali M, Hussain A, **Ali A** Rehman IU (2014). Inhibitory effect of kaolin minerals compound against hepatitis C virus in Huh-7 cell lines. *BMC Research Notes*; 7:247-50.

20. Ahmad Z, Mumtaz AS, Ghafoor A, **Ali A**, Nisar M. 2014. Marker Assisted Selection (MAS) for chickpea *Fusarium oxysporum* wilt resistant genotypes using PCR based molecular markers. *Mol Biol Rep*; 11033-014-3561-3. **IF 2.51**.
21. Waqar M, Rehman HU, Khan AU, **Ali A**, Noor AA (2014). Frequency Distribution of Hepatitis C Virus Genotypes in District Karachi, Pakistan. *Journal of Gastroenterology and Hepatology Research*; 14: 127-131.
22. **Ali A**, Rehman H., Nisar M, Rafique S, S. Ali, A Hussain, Nausheen, M. Idrees (2013). Seroepidemiology of dengue fever in Khyber Pakhtunkhwa, Pakistan. *International Journal of Infectious Diseases*; 17: 518–523. **IF 2.57**.
23. Waqar, M, Asad A, Idrees M. **Ali A**, Wasim M (2013). Determination HCV genotypes circulating in different districts Punjab (Pakistan). *European Journal of Gastroenterology and Hepatology*; 5:228-231. **IF 2.253**.
24. **Ali A**, M. Nisar, Idrees M, Hussain A, S. Rafique, S. Sabri, S. Wazir (2012). Prevalence of HBV infection in suspected population of conflict-affected area of war against terrorism in North Waziristan FATA Pakistan. *Infection, Genetics and Evolution*; 12: 1865–1869. **IF 3.5**.
25. **Ali A**, M. Nisar, H. Ahmad, N. Saif, M. Idrees and M. A. Bajwa (2011). Determination of HCV genotypes and viral loads in chronic infected patients of Hazara Pakistan. *MBC Virology Journal*; 8:466-472. **IF 2.362**.
26. **Ali A**, Ahmad H., Idrees M (2010). Molecular Epidemiology of Hepatitis C virus genotypes in Khyber Pakhtunkhwa of Pakistan. *BMC Virology Journal*; 7:203-210. **IF 2.362**.
27. **Ali A**, Khan IA, Khan HA Ghafoor SD (2009). Development of RAPD based Molecular markers for chromosome 5A of common. *Pak. J. Bot*; 41(2): 691-694. **IF 0.822**.
28. Ilyas, M., Alam M, Ahmad H, Tariq M, Bibi S, **Ali A**, Inamullah (2009). Awareness Regarding bioethical issues among the students & faculty of Hazara University Mansehra, Pakistan. *Pak J Med Sci*; 25(1):97-102. **IF 0.544**

POSTER AND ORAL PRESENTATIONS:

1. **Ali A**, Nisar M, Idrees M. 2013. Prokaryotic expression and Molecular Characterization of HCV-3a structural antigenic Recombinant Proteins
2. Rafique S, Idrees M, **Ali A**. 2013. Study of antigenic site in serine proteases of gene of HCV 3a genotype
3. Sabri S, Idrees M, **Ali A**. 2013 Studies on the role of NS3 and NS5A non-structural genes of HCV genotype 3a local isolates in apoptosis

BOOKS AND CHAPTERS

- **Ali A**, M. Idrees and H. Ahmed. 2012. Determination of HCV genotypes in Khyber Pakhtunkhwa Pakistan. Lambert Academic Publishing, ISBN:978-3-8484-0621
- **Ali A**, M. Habib and Inamullah. 2012. Epidemiology of Pulmonary Tuberculosis in District Haripur. Lambert Academic Publishing, ISBN:978-3-8484-1694-3
- **Ali A**, M. Nisar and S. Hussain. 2012. Development of Molecular Markers for chromosome 5A of common wheat. Lambert Academic Publishing, ISBN:978-3-8484-0621-0

CONFERENCES/WORKSHOPS/SEMINARS/TRAININGS ATTENDED/ORGANIZED

- 2017: 1st National conference on emerging trends in bioinformatics and biosciences organized by department of bioinformatics Hazara University, Mansehra, Pakistan.
- 2017: National seminar on droplet digital PCR QX200 (Bio-red) system jointly organized by CAMB and chemical house Lahore Pakistan.
- 2016: Hands on training workshop on clinical diagnostics jointly organized by CAMB and IBB University of the Punjab, Lahore
- 2016: National awareness seminar on Lungs and Bronchial Diseases organized by CAMB with the collaboration of Pakistan Chest Society and Gull's Association.

- 2013: 37th Annual conference of Pakistan Association of Pathologists/2nd Joint conference PAP/ Societies of Pathologists held at Pearl Continental Hotel Lahore.
- 2012: 1st Joint conference of Pakistan Association of Pathologists (PAP)/ Societies of Pathologists held at AFIP/Convention center Islamabad
- 2011: 1st Annual HCV Management Symposium held at Center of Virology & Immunology (NCVI), National University of Science & Technology (NUST) Pakistan
- 2011: Hands on Training on Real time PCR Line Gene II Bioflux Organized by Hi-Tech Scientific International Rawalpindi.

RESEARCH SUPERVISION

M.Phil (Completed/ongoing)

<i>Name of Student</i>	<i>Thesis title</i>	<i>Registration year</i>	<i>Completion year</i>
1. Miss Zara Naz	Expression of SOC-3 mRNA in naive And direct acting antiviral drugs treated Hepatitis C patients of district Sargodha	2015	2017 (completed)
2. Miss Braira Wahid	Study of the expression of SOCS-1 mRNA in interferon resistant, interferon treated and interferon ineligible Sofosbuvir treated HCV patients of District Lahore	2015	2017 (completed)
3. Miss Komal Saleem	Expression studies of SOCS-3 gene Interferon treated and relapse hepatitis patients C of district Lahore	2015	2017 (completed)
4. Miss Rida Farooq	An evaluation of Core antigenic recombinant protein for HCV 3a genotype	2016	2016-2018
5. Miss Ramisha Khan	Cloning, sequencing and expression Studies of NS1 gene of Dengue Serotype-2	2016	2016-2018
6. Mr. Samiullah	Prokaryotic expression and molecular Characterization of antigenic recombinant proteins encoded by NS3 gene of dengue serotype-3	2016	2016-2018

M.Sc/BS (Completed)

1. Mahvish Habib	Epidemiology of Pulmonary Tuberculosis in district Haripur Hazara	2009	2011
2. M. Tariq	Hepatitis C Therapies: A Chronological review of present and future prospects	2007	2011

3. M. Ajmal	Prevalence of Pulmonary Tuberculosis in population of district Dir Lower	2007	2011
4. Ruqia Ali	Epidemiology of oral lip and oral tongue cancer: study of patients attending IRNUM Hospital Peshawar	2007	2011
5. Nadia Khadim	Determination of ovarian cancer patients attending IRNUM hospital Peshawar	2007	2011
6. Hafiza Sarwat	Epidemiology of pulmonary Tuberculosis in district Mardan	2007	2011
7. Swaira Adnan	Prevalence of Breast cancer in patients attending IRNUM Hospital Peshawar	2007	2011

PROFESSIONAL MEMBERSHIPS

- Focal person for prevention and control of Dengue at the Center for Applied Molecular (CAMB), University of the Punjab, Lahore
- Member of PhD admission committee of the Center for Applied Molecular (CAMB), University of the Punjab, Lahore
- Member of PhD prospectus committee of the Center for Applied Molecular (CAMB), University of the Punjab, Lahore
- Member of Examination Monitoring Team, University of the Punjab, Lahore
- Member of Scholarship committee of the Center for Applied Molecular (CAMB), University of the Punjab, Lahore
- Member of the Pakistan Association of Pathologists (PAP)
- Member of the genetics society in Genetics Department Hazara University Mansehra
- Worked as a volunteer member in project entitled “Dental Investigation of the Biological Origins and Interactions among Ethnic Groups of Northern Pakistan” Sponsored by California State University, Bakersfield with the collaboration of Hazara University Mansehra Pakistan

REFERENCES

Will be furnished on request