

# Curriculum Vitae

## **Prof Dr Jawad Ahmed**

MBBS, MSc, PhD, FCPP

### **Professor of Microbiology & Convener Admissions**

Ex-Meritorious Professor

Ex-Pro-Vice Chancellor

Ex-Dean, Basic Medical Sciences

Ex-Founder Director, IBMS-KMU

Publications in Web of Science=77 (Total IF=205, Citations=2459, H-index=24)

Publications in national (HEC and PMC/PMDC recognized) journals = 23

Conference Presentations (National and international) = 36

(Conferences Organized =18)

Member national/international technical organizations=16

Supervised 19 PhDs (One still under supervision)

Supervised 44 MPhils

Honors, National Awards/Grants availed = 08

Membership different bodies of KMU = 43

Member other universities' bodies = 12

**Professional Experience = 25 years**

Genes Sequences published in GenBank = 29

**Convener Provincial Admission/placement committee, KP**

## I. Personal

**Name** Jawad Ahmed  
**Date of Birth** 1<sup>st</sup> September 1962  
**Gender** Male  
**CNIC** 16101-2637027-1  
**Address:** Hose No 17, D-II, Street 9, Regi Model Town, Peshawar, KP, Pakistan.  
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## II. Academics

**2010** **FCPP** – Fellow College of Pathologists, Pakistan (honorary)  
**1994-1998** **PhD**, Department of Microbiology, University of Leeds, Leeds, UK  
**Title of thesis:** Physiology and genetics of desiccation tolerance in *Acinetobacter* spp.  
Thesis evaluated and viva conducted by Prof H. Humphrey, University of Dublin, Ireland.  
**1993-1994** **MSc** (by research) Department of Microbiology, University of Leeds, Leeds, UK.  
**Title of thesis:** The development and evaluation of an improved medium for the isolation of *Acinetobacter* spp. Thesis evaluated and viva conducted by Dr Kevin J Towner.  
**1980-1986** **MBBS** - Khyber Medical College, Peshawar, Khyber Pakhtunkhwa, Pakistan.

## III. Postdoc specialized Training

1. Professional Competency Enhancement Program for Teachers (**PCEPT**) organized by National Academy of Higher Education. August 1<sup>st</sup> – October 1<sup>st</sup>, **2011** at Khyber Medical University, Peshawar.
2. Visiting scholar Program: Visited Department of Pathology, Medical University of Ohio at Toledo, Ohio, **USA**, as Assistant Professor. **April 1<sup>st</sup> 2004 – June 30<sup>th</sup> 2004**.
3. **7<sup>th</sup> - 10<sup>th</sup> Sept. 1998** Branched DNA signal amplification (bDNA) technology at Specialty Medical Laboratories, Klang, Selangor, Malaysia, organized by Chiron Diagnostics, **Malaysia**.

## IV. Professional experience

**10-12-2025 – Continued** **Dean/CEO, Bacha Khan Medical College, MTI-MMC, Mardan** vide notification Ref No 2011/BKMC dated 10-12-2025.

<b>17-11-2022 – 09-12-2025</b>	<b>Professor of Microbiology &amp; Convener Admissions</b> , Khyber Medical University, Peshawar, Pakistan (No.KMU(HR)/CFP/2022/3993 dated 16-11-2022)
<b>09-09-2021 – 31-08-2022</b>	<b>Dean</b> , faculty of Basic Medical Sciences, Khyber Medical University, Peshawar (No.(SO-U-I)HE/21-9/KMU/App-of-Dean Dated 9 <sup>th</sup> Sept 2021).
<b>06-10-2020 – 31-08-2022</b>	<b>Meritorious Professor</b> BPS-22 (No.KMU(SA&A)/13 <sup>th</sup> Senate/2021/4925 dated 13-10-2021 date of syndicate recommendation-10-06-2020)
<b>July 14, 2017 - July 14, 2019</b>	<b>Pro-Vice Chancellor</b> , Khyber Medical University, Peshawar (No.(SO-U-I)HE/21-1/ProVC/KMU/Dated 13 <sup>th</sup> July 2017).
<b>21-7-2016 – August 8<sup>th</sup>, 2019</b>	<b>Dean</b> , faculty of Basic Medical Sciences, Khyber Medical University, Peshawar (No. SO-IV/2-18/Dean/15 Dated 21-07-2016).
<b>Jan 2011 – 13<sup>th</sup> Nov 2017</b>	<b>Founding Director &amp; Professor of Microbiology</b> , Institute of Basic Medical Sciences, Khyber Medical University, Peshawar (KMU(E)/12-84(C)2010/2367 dated 18-02-2011).
<b>December 2009 – Dec 2010</b>	<b>Project Director</b> , Institute of Basic Medical Sciences (IBMS) Khyber Medical University, Peshawar, Khyber Pakhtunkhwa, Pakistan (SOH-1/HD/3-5/07 dated 04-11-2009).
<b>Nov 2009 - Dec 2009</b>	<b>Associate Professor</b> of Microbiology in the department of Pathology, Khyber Medical College, Peshawar, Khyber Pakhtunkhwa, Pakistan (No 17904-13/KTH/E-I dated 11-11-2009).
<b>December 2002 – 2009</b>	<b>Assistant Professor</b> of Microbiology in the department of Pathology, Khyber Medical College, Peshawar, Khyber Pakhtunkhwa, Pakistan (13150-59/KTH/E dated 04-12-2002).
<b>29-10-2005 – 28-4-2007</b>	<b>Project Director</b> "Establishment of Drug and Diagnostic Center at Peshawar" (6-167/ECO/PC/H/Vol-II/2004-05 dated 29-10-2005).
<b>07-04-2001 – 04-12-2002</b>	<b>In-charge Pathologist</b> Khyber Teaching Hospital Peshawar, KP (No 4221-26/KTH/E dated 12-4-2001)
<b>April 2000 - March 2001</b>	<b>Consultant Pathologist</b> , In-charge Pathology Laboratory, DHQ Hospital Charsadda, KP (No 156 dated 20-02-2001)
<b>April 1999 - April 2000</b>	<b>Assistant Professor</b> of Pathology Kabir Medical College, Peshawar, KP, Pakistan.
<b>Feb. 1994 - April 1998</b>	PhD scholar, Department of Microbiology, University of Leeds, UK.
<b>Feb. 1993 - August 1994</b>	MSc scholar, Department of Microbiology, University of Leeds, UK.
<b>Feb. 1990 - August 1993</b>	Medical Officer, Red Cross- Pakistan Red Crescent Eye Hospital Mardan, KP, Pakistan.
<b>March 1987 - Aug. 1987</b>	Senior House Officer in General Surgery, Khyber Teaching Hospital Peshawar, KP, Pakistan.
<b>Aug. 1986 - Feb. 1987</b>	House Officer in General Medicine Khyber Teaching Hospital Peshawar, Khyber Pakhtunkhwa, Pakistan.

## **V. Publications in International Impact Factor journals**

1. **Jawad, A.**, PM Hawkey, J. Heritage, and AM Snelling. Description of Leeds Acinetobacter medium, a new selective and differential medium for isolation of clinically important *Acinetobacter* spp., and comparison with Herellea and Holton's agar. *Journal of Clinical Microbiology*. 1994;32:2353-2358. **(IF=5.948)** doi: **10.1128/jcm.32.10.2353-2358.1994**.
2. **Jawad, A.**, J. Heritage, AM Snelling, DM Gascoyne-Binzi, and PM Hawkey. Influence of relative humidity and suspending menstrua on survival of *Acinetobacter* spp. on dry surfaces. *Journal of Clinical Microbiology*. 1996;34:2881-2887. **(IF=5.948)** doi: **10.1128/jcm.34.12.2881-2887.1996**.
3. **Jawad, A.**, AM Snelling, J Heritage, H Seifert and PM Hawkey. Survival of *Acinetobacter baumannii* on dry surfaces: Comparison of Outbreak and sporadic strains. *Journal of Clinical Microbiology*. 1998;36:1938-1941. **(IF=5.948)** doi: **10.1128/JCM.36.7.1938-1941.1998**.
4. **Jawad, A.**, J Heritage, AM Snelling, and PM Hawkey. Exceptional desiccation tolerance of *Acinetobacter radioresistens*: a cause for concern? *Journal of Hospital Infection*. 1998;39:235-240. **(IF=3.926)** doi: **10.1016/s0195-6701(98)90263-8**.
5. **Jawad, A.**, AM Snelling, J Heritage and PM Hawkey. Comparison of ARDRA and *recA*-RFLP analysis for genomic species identification of *Acinetobacter* spp. *FEMS Microbiology Letters* 1998;165:357-362. **(IF=2.742)** doi: **10.1111/j.1574-6968.1998.tb13170.x**.
6. Farhat Ullah, Salman Akbar Malik and **Jawad Ahmed**. Antimicrobial susceptibility and ESBL prevalence in *Pseudomonas aeruginosa* isolated from burn patients from North West of Pakistan. *Burns* 2009;35,1020-1025. **(IF=2.744)** doi: **10.1016/j.burns.2009.01.005**. Epub 2009 Jun 6.
7. Farhat Ullah, Salman Akbar Malik and **Jawad Ahmed**. Antibiotic susceptibility pattern and ESBL prevalence in nosocomial *Escherichia coli* from urinary tract infections in Pakistan. *African Journal of Biotechnology*. 2009;8(16) 3921-3926. **(IF=0.565)** <http://www.academicjournals.org/AJB>
8. Farhat Ullah, Salman Akbar Malik and **Jawad Ahmed**. Antimicrobial susceptibility pattern and ESBL prevalence in *Klebsiella pneumoniae* from urinary tract infection in the North-West of Pakistan. *African Journal of Microbiology Research* 2009;3(11) 676-680. **(IF=0.407)** Available online <http://www.academicjournals.org/ajmr>
9. Shahina Mumtaz, **Jawad Ahmed** and Liaqat Ali. Frequency of *cryptosporidium* infection in children under five years of age having diarrhea in the North West of Pakistan. *African Journal of Biotechnology*. 2010;9(8)1230-1235. **(IF=0.565)** <http://www.academicjournals.org/AJB>
10. Naheed Ali, **Jawad Ahmed**, Nazish Ali, Fatima Jehan and Saira Saleem. Transfusion transmitted malaria in three major blood banks of Peshawar, Pakistan. *African Journal of Biotechnology*, 2010;9(33) 5445-5449. **(IF=0.565)** <http://www.academicjournals.org/AJB>
11. Shahina Mumtaz, **Jawad Ahmed**, Liaqat Ali, and Hamid Hussain. Prevalence of extended spectrum beta lactamases (ESBL) in clinical isolates from a teaching hospital in Peshawar,

- Pakistan. *African Journal of Microbiology Research* 2011;5(19) 2880-2884. **(IF=0.407)** Available online <http://www.academicjournals.org/ajmr>
12. Najeeb Ullah, Ikram Ullah, Hae Young Lee, Muhammad Imran Naseer, Park Moon Seok, **Jawad Ahmed** and Myeong Ok Kim. Protective function of nicotinamide against ketamine-induced apoptotic neurodegeneration in the infant rat brain. *Journal of Molecular Neurosciences*, 2011. **(IF=2.891)** 2011;DOI 10.1007/s12-31-9685-1.
  13. **Jawad Ahmed**, Abdul Hamid Jan, Ghareeb Nawaz, Mumraiz Khan. Epidemiology and antibiotic susceptibility of bacterial isolates from Northern of Pakistan. *African Journal of Microbiology Research* 2011;5(28)4949-4955. **(IF=0.407)** Available online <http://www.academicjournals.org/ajmr>
  14. Farhat Ullah, Salman Akbar Malik and **Jawad Ahmed**. Investigation of the genetic basis of tetracycline resistance in *Staphylococcus aureus* from Pakistan. *Tropical Journal of Pharmaceutical Research* 2012;12(6):925-931. **(IF=0.947)** <http://dx.doi.org/10.4314/tjpr.v11i6.8>
  15. Obaid Ur Rahman, Nadeem Khawar, Muhammad Aman Khan, **Jawad Ahmed**, Kamran Khattak, Jumana Y Al-Aama, Muhammad Naeem and Musharraf Jelani. Deletion Mutation in BSCL2 gene underlies congenital generalized Lipodystrophy in a Pakistani family. *Diagnostic Pathology* 2013;8:78 **(IF=2.644)** doi: 10.1186/1746-1596-8-78.
  16. Bashir Ahmad, Johar Jamil, **Jawad Ahmed**. Comparison of clinical methods for the phenotypic detection of Methicillin resistant *Staphylococcus aureus*: Disc diffusion methods with Brilliance™ MRSA Agar. *African Journal of Microbiology Research* 2013;7(24):3096-3100. **(IF=0.407)** Available online <http://www.academicjournals.org/ajmr>
  17. Bashir Ahmad, Francesca Urbas, Johar Jamil, **Jawad Ahmed** and Shumaila Bashir. Biocides susceptibility pattern and phenotypic detection of Efflux pump in *Staphylococcus aureus* isolates from two tertiary care hospitals of Pakistan. *African Journal of Microbiology Research* 2013;7(25):3171-3178. **(IF=0.407)** Available online <http://www.academicjournals.org/ajmr>
  18. **Jawad Ahmed**, Amjad Ali, Masroor Hussian, Habib Ahmad. Antimicrobial susceptibility pattern of bacteria isolated from burn patients in a teaching hospital from Peshawar, Pakistan. *African Journal of Microbiology Research* 2013;7(28) 3627-3631. **(IF=0.407)** Available online <http://www.academicjournals.org/ajmr>
  19. Rubina Nazli, Mohammad Akmal Khan, Tasleem Akhtar, Nabila Sher Mohammad, **Jawad Ahmed**, Jamila Haider. Abnormal Lipid levels as a risk factor of eclampsia, study conducted in tertiary care Hospitals of Khyber Pakhtunkhwa Province - Pakistan. *Pakistan Journal of Medical Sciences* 2013;29(6) 1410-1414. **(IF=1.088)** doi: 10.12669/pjms.296.3863.
  20. Muhammad Ayaz, Muhammad Junaid, **Jawad Ahmed**, Farhat Ullah, Abdul Sadiq, Sajjad Ahmad and Muhammad Imran. Phenolic contents, antioxidant and anticholinesterase potentials of crude

extract, subsequent fractions and crude saponins from *Polygonum hydropiper* L. *BMC Complementary and Alternative Medicine*. 2014;14(1)145. (IF=3.659) doi: 10.1186/1472-6882-14-145.

21. Bashir Ahmad, Farmanullah Khan, **Jawad Ahmed**, Seung Bin Cha, Min-Kyoung Shin, Shumaila Bashir, and Han Sang Yoo. Antibiotic resistance pattern and molecular epidemiology of methicillin resistant *Staphylococcus aureus* colonization in burn unit of a tertiary care hospital, Peshawar, Pakistan. *Tropical Journal of Pharmaceutical Research* 2014. 13(12)2091-2099. (IF=0.947) DOI:10.4314/TJPR.V13I12.21
22. Nageen Yousaf, Sibtain Afzal, Tehreem Hayat, Jasmin Shah, Nafees Ahmad, Rashda Abbasi, Khushnooda Ramzan, Rasul Jan, Imran Khan, **Jawad Ahmed**, and Sami Siraj. Association of Vitamin D Receptor gene polymorphisms with prostate cancer risk in Pakistani population. *Asian Pacific Journal of Cancer Prevention*. First Nov, 2014;15(22)10009-10013. (IF=2.500) doi: 10.7314/apjcp.2014.15.22.10009.
23. Muhammad Ayaz, Fazal Subhan, **Jawad Ahmed**, Arif-ullah Khan, Farhat Ullah, Ihan Ullah, Gowhar Ali, Nawazish-i-Husain Syed and Sajid Hussain. Sertraline enhances the activity of antimicrobial agents against pathogens of clinical relevance. *Journal of Biological Research – (Thessaloniki)* 2015; 22(1):4,1-8. (IF=1.889) DOI 10.1186/s40709-015-0028-1.
24. Sardar Ahmad, Mohsin Shah, **Jawad Ahmed**, Aslam Khan, Hamid Hussain, Mary McVey and Asif Ali. Association of hypoadiponectemia with smokeless/dipping tobacco use in young men. *BMC Public Health*. 19<sup>th</sup> Oct, 2015;15:1072. (IF=3.295) Doi10.1186/s12889-015-2409-7.
25. Muhammad Ayaz, Fazal Subhan, **Jawad Ahmed**, Arifullah Khan, Farhat Ullah, Sajid Hussain and Gowhar Ali, Nawazish-i-Husain Syed and Sajid Hussain. Citalopram and venlafaxine differentially augments antimicrobial properties of antibiotics. *Acta Poloniae Pharmaceutice-Drug Research* 2015;72:1269-1278. (IF=0.660) [https://www.ptfarm.pl/pub/File/Acta\\_Poloniae/2015/6/1269.pdf](https://www.ptfarm.pl/pub/File/Acta_Poloniae/2015/6/1269.pdf)
26. Amina Gul, Ijaz Ali, **Jawad Ahmad**, Sanaulah Khan, Fazli Zahir, Imtiaz A Khan. New patterns of HCV: subtypes distribution in the Khyber Pakhtunkhwa province of Pakistan. *Brazilian Journal of Infectious Diseases*. 25<sup>th</sup> Nov 2015.20(1)107-108 (IF=1.949) DOI:10.1016/j.bjid.2015.09.007
27. Amina Gul, Nabeela Zahid, **Jawad Ahmed**, Fazli Zahir, Imtiaz A Khan and Ijaz Ali. Molecular characterization of Hepatitis C virus 3a in Peshawar. *BMC Infectious Diseases* 18<sup>th</sup> April, 2016. 16:163 (IF=3.090) DOI 10.1186/s12879-016-1488-0.
28. Muhammad Ali, Sadeeq ur Rahman, Sulman Basit, Muhammad Tariq Masood, Yasar Yousafzai, Usman Gul, Yousaf Khan, Sheraz Khan, Imran Khan, Ahmad Sajjad, **Jawad Ahmed**, Musharraf Jelani, Abid Jameel and Abid Sohail Taj. Prognostic stratification of acute myeloid leukemia and myelodysplastic syndrome patients on the basis of genetic variations. 2016. *Blood* 128:5239-5239 (IF=22.113). <http://www.bloodjournal.org/content/128/22/5239?sso-checked=true>

29. Ghosia Lutfullah, **Jawad Ahmed**, Aftab Khan, Hina Ihsan, and Jamshed Ahmad. Evaluation of Non-Structural Protein-1 (NS-1) positive patients of 2013 dengue outbreak in Khyber Pakhtunkhwa, Pakistan. *Pak J Med Sci.* 1<sup>st</sup> Jan, 2017 33(1)172-176. (IF=0.656) doi: **10.12669/pjms.331.11237.**
30. Muhammad Ayaz, Abdul Sadiq, Muhammad Junaid, Farhat Ullah, Fazal Subhan and **Jawad Ahmed**. Neuroprotective and anti-Aging Potentials of essential oils from Aromatic and Medicinal Plants. *Frontiers in Aging Neuroscience.* 30<sup>th</sup> May, 2017. 9:168, (IF=5.750) doi **10.3389/fnagi.2017.00168**
31. Muhammad Tariq Masood, Arshi Naz, **Jawad Ahmed**, Tahir Sultan Shamsi, Shariq Ahmed, Nisar Ahmed, Ayisha Imran, Nazish Farooq, Muhammad Tariq Humayun Khan, Abid Sohail Taj. Mutation Spectrum and Genotype Phenotype Analyses in a Pakistani Cohort with Hemophilia B. *Clinical and Applied Thrombosis and Hemostasis.* 28<sup>th</sup> July, 2017. 24(5)741-748. (IF=2.096) DOI: **10.1177/1076029617721011.**
32. Muhammad Tariq Masood, Arshi Naz, **Jawad Ahmed**, Tahir Shamsi, Abid S Taj. Diagnosis and phenotypic assessment of Pakistani Haemophilia B carriers. *Pakistan Journal of Medical Sciences.* 2017. 33(3) 738-742. (IF=0.656) doi: **10.12669/pjms.333.12496.**
33. Gulab Fatima Rani, Muhammad Tariq Masood Khan, Safia Jalal, Yousaf Khan, Anisa Hussain, Shabir Khan, Ahmed Jawad and Abid Sohail Taj. Effects of Immunosuppressive Therapy on Cell Mediated Immunity in Idiopathic Acquired Aplastic Anaemia. *Blood* 2017 130:4962; (IF=22.113) [https://doi.org/10.1182/blood.V130.Suppl\\_1.4962.4962](https://doi.org/10.1182/blood.V130.Suppl_1.4962.4962)
34. Saghir Ahmad, Nafees Bacha, Jehan Bakht, **Jawad Ahmed**. Characterization of pathogens involved in ventilator associated pneumonia in surgical and medical Intensive Care Units - A single center experience. *Pakistan Journal of Pharmaceutical Sciences.* 2017. 30(6)2091-2099. (IF=0.682) PMID: 29175778 <https://pubmed.Ncbi.nlm.nih.gov/29175778/>
35. Yasar Mehmood Yousafzai, Jawad Ahmed, Fazle Raziq, Amanda Smith, Sandra Chudleigh, Allyson Doig, Darren O'Brien, Nicola Williams, Mike Leach, Mhairi Copland, and Chris Halsey. Developing collaborations to establish a low-cost advanced diagnostic hematology laboratory in Peshawar, Pakistan, *Blood Advances.* Published by American Society of Haematology. 8<sup>th</sup> Dec 2017. Vol 1 (supplement 1) p 36-38. (IF=6.686) doi: <https://doi.org/10.1182/bloodadvances.2017GS100567>.
36. Muhammad Ayaz, Fazal Subhan, Abdul Sadiq, Farhat Ullah, **Jawad Ahmed**, Robert DE Sewell. Cellular efflux transporters and the potential role of natural products in combating efflux mediated drugs resistance. *Frontiers in Biosciences (Landmark ED).* 2017. 22(4)732-756. (IF=2.498) 1093-9946. PMID: 27814643 DOI: [10.2741/4513](https://doi.org/10.2741/4513)
37. Ansar M, Riazuddin S, Sarwar MT, Makrythanasis P, Paracha SA, Iqbal Z, Khan J, Assir MZ, Hussain M, Razzaq A, Polla DL, Taj AS, Holmgren A, Batool N, Misceo D, Lwaszkiewicz J, de

- Brouwer APM, Guipponi M, Hanquinet S, Zoete V, Santoni FA, Frengen E, **Ahmed J**, Riazuddin S, van Bokhoven H, Antonarakis SE. Biallelic variants in *LINGO1* are associated with autosomal recessive intellectual disability, microcephaly, speech and motor delay. *Genetics in Medicine- Official journal of the American College of Medical Genetics and Genomics*. 2018;20(7)778-784. **(IF=8.822 NATURE)** doi: 10.1038/gim.2017.113. Epub 2017 Aug 24.
38. Farmanullah Khan, Bashir Ahmad, **Jawad Ahmed**, Han Sang Yoo and Shumaila Bashir. Investigation of *Staphylococcus aureus*, prevailing in the environment of Khyber Teaching Hospital Peshawar, Pakistan. *Pakistan Journal of Pharmaceutical Sciences. Pak J Pharm Sci* 2018. 31(2) 429-437. **(IF = 0.682) PMID: 29618431 <https://www.pjps.pk>**
39. Maria Khan, **Jawad Ahmed**, Anima Gul, Aamer Ikram, Farida K Lalani. Antifungal susceptibility testing of vulvo-vaginal *Candida* species among women attending antenatal clinic in tertiary care hospitals of Peshawar. *Infection and Drug Resistance*. 2018. 11, 447-456. **(IF=4.003) PMID: 29628769, PMCID: PMC5878663, DOI: 10.2147/IDR.S153116**
40. Muhammad Adil, Waheed Iqbal, Fazal Adnan, Shabnaum Wazir, Imran Khan, mohammad U Khan, Mohammad A Kamal, Shafiq Ahmed, **Jawad Ahmed**, Ishaq N Khan. Association of Metronidazole with Cancer: A Potential Risk Factor or Inconsistent Deductions? *Current Drug Metabolism*. 2018. Vol 19(11)902-909. Print ISSN-1389-2002, Online ISSN-1875-5453. Publisher Bentham Science. **(IF= 3.731) doi: 10.2174/1389200219666180329124130.**
41. Khan, Muhammad Jaseem; Nazli, Rubina; **Ahmed, Jawad**; Basit, Sulman. Whole Genome Sequencing instead of Whole Exome Sequencing is required to identify the genetic causes of Polycystic Ovary Syndrome in Pakistani families. *Pakistan Journal of Medical Sciences*, 2018. Vol. 34(3) 540-545 **(IF=0.754) PMID: 30034412, PMCID: PMC6041554, DOI: 10.12669/pjms.343.14644**
42. Muhammad Ansar, Hyung-lok Chung, Rachel L. Taylor, Aamir Nazir, Samina Imtiaz, Muhammad T. Sarwar, Alkistis Manousopoulou, Periklis Makrythanasis, Sundas Qureshi, Emilie Falconnet, Michel Guipponi, Constantin J. Pournaras, Maqsood A. Ansari, Emmanuelle Ranza, Federico A. Santoni, **Jawad Ahmed**, Inayat Shah, Khitab Gul, Graeme CM Black, Hugo J. Bellen, Stylianos E. Antonarakis. Biallelic Loss-Of-Function Variants in *DNMBP* cause infantile cataract. *American Journal of Human Genetics* – Published by American Society of Human Genetics. 2018;103(4)568-578 **(IF=11.025) ISSN: 0002-9297 PMID: 30290152, PMCID: PMC6174361, DOI: 10.1016/j.ajhg.2018.09.004**
43. Zielen, AC, Muhammad Jaseem Khan, Nijole Pollock, H. Jiang, **Ahmed Jawad**, Nazli, Rubina, Musarrat Jabeen, A. Yatsinko, A. Rajkovic. A novel homozygous frame-shift variant in the *LHCGR* gene is associated with primary ovarian insufficiency in a Pakistani family. *Clinical Genetics* –Wiley & Sons. 2018. 94 (3-4)396-39. **NATURE (IF=4.438) PMID: 30016538, PMCID: PMC6456337, DOI: 10.1111/cge.13406**

44. Shahida Tasneem, Shahid Pervez, **Jawad Ahmed**, Rizwan Bashir, Hamid Hussain, Mohammad Tahir Sarwar. Expression analysis of Cyclooxygenase-2 in patients suffering from esophageal squamous cell carcinoma. *PLoS ONE* 13(10):e0205508 Oct 19, 2018. (IF=3.240) PMID: 30339710, PMCID: PMC6195262, DOI: 10.1371/journal.pone.0205508
45. Muhammad Jaseem Khan, Nijole Pollock, Huaiyang Jiang, Carlos Castro, Rubina Nazli, **Jawad Ahmed**, Sulman Basit, Aleksandar Rajkovic & Yatsinko AN. X-linked *ADGRG2* mutation and obstructive azoospermia in a large Pakistani family. *Scientific Reports - NATURE*. 2<sup>nd</sup> November 2018. (IF=4.379) DOI:10.1038/s41598-018-34262-5. 2018. 8(1)16280
46. Khan, Muhammad Jaseem; Anwar Ullah, Rubina Nazli, **Ahmed, Jawad**. Evaluation of chromosomal abnormalities and Y chromosome microdeletion in infertile males of 10 families – A case series. *Journal of the Pakistan Medical Association*. 2019. 69(4)567-571 (IF=0.573) PMID: 31000864 <https://pubmed.ncbi.nlm.nih.gov/31000864/><https://www.jpma.org.pk>
47. Muhammad Ansar, Sohail A. Piracha, Alessendro Serretti, Muhammad T. Sarwar, Jamshed Khan, Emmanuelle Ranza, Federico A. Santoni, Emilie Falconnet, Justyna Iwaszkiewics, Syed Fahim Khattak, Azhar Ali Qaiser, Federicco Santoni, Vincent Zoete, Andre Megarbane, **Jawad Ahmed**, Roberto Colombo, Periklis Makrythanasis, Stylianos E. Antonarakis. Bi-allelic variants in *FBXL3* cause intellectual disability, delayed motor development and short stature. *Human Molecular Genetics*. 15<sup>th</sup> March 2019, 28(6)972–979 Oxford University Press (IF=6.150). doi: 10.1093/hmg/ddy406.
48. Faiz ul Hassan, Muhammad Suhaib Qudus, Sheikh Arslan Sehgal, **Jawad Ahmed**, Momin Khan, Khayam ul Haq, Shahina Mumtaz, Muhammad Arshad, Sami Siraj. Prevalence of Extended-Spectrum  $\beta$ -Lactamases in Multi-drug Resistant *Pseudomonas aeruginosa* from Diabetic Foot Patients. *Endocrine, Metabolic & Immune Disorders - Drug Targets*. 1<sup>st</sup> Jan, 2019. 19(4)443-448 ISSN: 2212-3873 (Online) ISSN: 1871-5303 (Print) (IF=1.973). PMID: 30484414, DOI: 10.2174/1871530319666181128095753
49. Muhammad Ansar, Farid Ullah, Sohail A. Paracha, Darius J. Adams, Abbe Lai, Lynn Pais, Justyna Iwaszkiewicz, Francisca Millan, Muhammad T. Sarwar, Zehra Agha, Sayyed Fahim Shah, Azhar Ali Qaiser, Emilie Falconnet, Vincent Zoete, Emmanuelle Ranza, Periklis Makrythanasis, Federico A. Santoni, **Jawad Ahmed**, Nicholas Katsanis, Christopher Walsh, Erica E. Davis, Stylianos E. Antonarakis. Bi-allelic variants in *DYNC112* cause syndromic microcephaly with intellectual disability, cerebral malformations and dysmorphic facial features. *AJHG* 2<sup>nd</sup> May 2019. 104(6)1073–1087, June 6<sup>th</sup>, 2019 (IF=11.025) ISSN: 0002-9297. PMID: 31079899, PMCID: PMC6556908, DOI: 10.1016/j.ajhg.2019.04.002
50. Muhammad Ayaz, Farhat Ullah, Abdul Sadiq, Farman Ullah, Muhammad Ovais, **Jawad Ahmed**, Hari Prasad Devkota. Synergistic interactions of Phytochemicals with antimicrobial agents:

Potential strategy to counteract drugs resistance. *Chemico-Biological Interactions*. 308:294-303 Elsevier, 31 May, 2019 (IF=3.723) ISSN: 0009-2797. doi: 10.1016/j.cbi.2019.05.050. Epub 2019 May 31.

51. Muhammad Ayaz, Abdul Sadiq, Muhammad Junaid, Farhat Ullah, Muhammad Owais, Ikramullah **Jawad Ahmed**, and Muhammad Shahid. Flavonoids as perspective neuroprotectants and their therapeutic propensity in aging associated neurological disorder. *Frontiers in Aging Neuroscience* (Review). 26<sup>th</sup> June 2019. Vol (11) Article 155 (IF=5.750) doi: 10.3389/fnagi.2019.00155
52. Muhammad Jaseem Khan, Anees Muhammad, Arshad Khan, Zilli Huma, **Ahmed, Jawad**. FSH, LH, testosterone and Prolactin levels in infertile males of Khyber Pakhtunkhwa. *Bulletin of Environment, Pharmacology and Life Sciences*. July 2019. 8(8) 59-63 (IF=0.876) ISSN (Print): 0030-9982; ISSN (Linking): 0030-9982-L
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55. Amina Gul, Ijaz Ali, Naheed Ali, **Jawad Ahmad**. Amino Acid Mutations in NS5B Protein among Treatment-naive Genotype 3A Infected Patients. JCPSP, 1<sup>st</sup> Dec 2019. 29(12) 1149-1152. (IF=0.426) doi: 10.29271/jcpsp.2019.12.1149.
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61. Habib Ullah, Shahzad Muhammad, Faizan Saleem, Taj Ali, Muhammad Kamran Azim, Haris Khan, Johar Ali, **Jawad Ahmed**. Microbial biofilm diversity and prevalence of antibiotic resistance genes in drinking water distribution system of Peshawar, Pakistan. 2021. *Water* 13(13) 1788. 28-06-2021 (IF=3.103) <https://doi.org/10.3390/w13131788>
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64. Aslam Khan, Zia Ul-Haq, Sadia Fatima, **Jawad Ahmed**, Hussah M. Alobaid, Sheraz Fazid, Nawshad Muhammad, Cecilia Garzon, Yasir Ihtesham, Ijaz Habib, Tanimoune Mahamadou, Khalid Iqbal, Muhammad Arshad and Sher Zaman Safi. Long-Term Impact of Multiple Micronutrient Supplementation on Micronutrient Status, Hemoglobin Level, and Growth in Children 24 to 59 Months of Age: A Non-Randomized Community-Based Trial from Pakistan. *Nutrients* 15(7) 1690- ISSN 2072-6643. Published by MDPI on 01-04-2023. **(IF=5.719)** <https://doi.org/10.3390/nu15071690>
65. Sajjad Ahmad, **Jawad Ahmed**, Eman H. Khalifa, Farhad Ali Khattak, Anwar Sheed khan, Syed Umar Farooq, Sannaa M.A. Osman, Magdi M., Salih, Nadeem Ullah I, Taj Ali Khan. Novel mutations in genes of IL-12/IFN-  $\gamma$  axis cause susceptibility to Tuberculosis. Published June 2023 *Journal of Infection and Public Health* 16(2023)1368-1378. ISSN 1876-0341. **(Impact factor=6.7)** DOI: <http://doi.org/10.1016/j.jiph.2023.06.005>
66. Aslam Khan, Zia Ul-Haq, Sheraz Fazid, Sadia Fatima, Nawshad Muhammad, **Jawad Ahmed**, Salim Manoharadas, Sher Zaman Safi, Ijaz Habib, Cecilia Garzon, Yasir Ihtesham, Fareeda Zahir, Fazal Dad, Tanimoune Mahamadou and Nicola Lowe. Effectiveness of Locally Produced Ready to Use Supplementary Food on Hemoglobin, Anthropometrics, and Plasma Micronutrients concentrations levels of 6 to 23 months age children: A non-randomized community-based trial from Pakistan, DOI: 10.3389/fnut.2023.1176778 *Frontiers in Nutrition* July, 2023. **(IF=6.6)**
67. Sidra Qureshi, Jimmaline J Hardy, Christopher Pombar, Andrea J Berman, Agnieszka Malcher, Tara Gingrich, Rachel Hvasta, Jannah Kuong, Sarah Munyoki, Kathleen Hwang, Kyle E Orwig, **Jawad Ahmed**, Marta Olszewska, Maciej Kurpisz, Donald F Conrad, Muhammed Jaseem Kahn and Alexander N Yatsenko. Genomic study of TEX15 variants: Prevalence and allelic heterogeneity in men with spermatogenic failure. *Frontiers in Genetics*. Published 10<sup>th</sup> May 2023. Vol 14 DOI 10.3389/fgene.2023.1134849 **(IF=4.772)**
68. Sohail Aziz Paracha, Shoaib Nawaz, Muhammad Tahir Sarwar, Asmat Shaheen, Gohar Zaman, **Jawad Ahmed**, Fahim Shah, Sundus Khwaja, Abid Jan, Nida Khan, Mohammad Azhar Kamal, Qamre Alam, Safdar Abbas, Saman Farma, Ahmed Waqas, Afnan Alkathiri, Abdullah Hamadi, Federico Santoni, Naseeb Ullah, Bismah Khalid, Stylianos E. Antonarakis, Khalid Fakhro, Muhammad Umair, Muhammad Ansar. The Genetic Cause of Neurodevelopmental Disorders in 30 Consanguineous Families. *Translational Medicine*, DOI: 10.3389/fmed.2024.1424753. August 2024. **(IF=8.448)**

69. Mohsina Haq, **Jawad Ahmed**, Ihsan Ullah, Najeeb ul Haq, Arbab Muhammad Kashif Khan, Abbas Saleem Khan. Association of IL28B rs12979860 and rs8099917 Gene Polymorphisms with Response to Combination Therapy of Sofosbuvir and Daclatasvir in HCV-Infected Patients from the Khyber Pakhtunkhwa Population *Kurdish Studies* 12(3) 416 – 420. ISSN: 2051-4883 (Print) ISSN 2051-4891 (Online) DOI: 10.53555/ks.v12i3.3600. June 2024. (IF=0.147)

## **VI. Publications in HEC / PMDC recognized journals**

1. **Jawad Ahmed**, Akram Shah and Noor Shad Ali. Prevalence of urinary tract infection in pregnant women of Peshawar, NWFP; a single center study. *Journal of Postgraduate Medical Institute*. 2003;17(II):168-176. <https://jpmi.org.pk/index.php/jpmi/article/view/821>
2. **Jawad Ahmed**, Abid Sohail Taj, Abdur Rahim, Afzal Shah, and M. Rehman. Frequency of hepatitis B and hepatitis C in healthy blood donors of NWFP: a single center experience. *Journal of Postgraduate Medical Institute*. 2004;18(3): 343-352.  
<https://jpmi.org.pk/index.php/jpmi/article/view/899>
3. **Jawad Ahmed**, Salma, and Noor Jehan. Assessment of environmental risk factors and antibiotic susceptibility pattern in hospital acquired infections (HAI) and community acquired infections (CAI). *Journal of Medical Sciences*. 2005;13(1):53-61. <https://www.jmedsci.com/index.php/Jmedsci>
4. Ghareeb Nawaz, **Jawad Ahmed** and Zakirullah. (2005) Pharyngitis; Bacterial isolates and drug susceptibility pattern. *Journal of Postgraduate Medical Institute* 2005;19 (4)360-364.  
<https://jpmi.org.pk/index.php/jpmi/article/view/42>
5. **Jawad Ahmed**, Ghareeb Nawaz, Liaqat Ali, Fazal Ahmed. Immunization status against Hepatitis B virus and determination of anti-HBs antibody titer in medical and dental students of Peshawar. *Journal of Postgraduate Medical Institute* 2006;20 (2) 506-511.  
<https://jpmi.org.pk/index.php/jpmi/article/view/1012>
6. Amir Muhammad, Jehan Zeb, Safia Ahmed, **Jawad Ahmed**. Prevalence of HBV and HCV amongst healthy blood donors of NWFP. *Journal of Medical Sciences*. 2007;15 (2) 164-167.  
<https://www.jmedsci.com/index.php/Jmedsci>
7. Shahina Mumtaz, **Jawad Ahmed**, Liaqat Ali. Modified acid fast staining: a better diagnostic tool in chronic diarrhea due to cryptosporidiosis. *J Ayub Med College, Abbottabad* 2011;23(2) 72-74. PMID: 24800347. <https://ayubmed.edu.pk/JAMC/23-2/Shahina.pdf>.
8. Nabila Sher Mohammad, Rubina Nazli, Mohammad Akmal Khan, Tasleem Akhtar, **Jawad Ahmad**, Zarghuna Zafar. Effect of combined oral contraceptive pills on lipid metabolism in women of child bearing age. *KMUJ* 2013;5(1)22-26. <https://www.kmu.jkmu.edu.pk/article/view/11148>.
9. Shahnaz Attaullah, Imdadullah Mohammadzai, **Jawad Ahmed**, Bibi Safia Haq, Umair Wadood. Thyroid dysfunction and its effects on serum lipids. *J. Med. Sci.* 2015;23(1):34-37.  
<https://www.jmedsci.com/index.php/Jmedsci>

10. Raheela Taj, Imdadullah Mohammadzai, **Jawad Ahmed**, Asadullah Khan, Fatima Syed and Zahid Khan. Prevalence and antibiotic susceptibility pattern of methicillin resistant *Staphylococcus aureus* in Abbottabad district of Khyber Pakhtunkhwa-Pakistan. *KMUJ* 2015;7(4):157-161. <https://www.kmu.jkmu.edu.pk/article/view/157>
11. Iftikhar Ali, **Jawad Ahmed**, Aziz U Khan, Tahir M Khan and Zia Ul-Haq. Self-medication and non-adherence with antibiotics: the current situation in Pakistan. *Journal of Pharmacy Practice and Research*. 2015;45:1-4.[doi10.1002/jppr.1153](https://doi.org/10.1002/jppr.1153).
12. Rahila Najib, Shahina Mumtaz, **Jawad Ahmed**, Hube Muhammad, Nade Ahmed, Muhammad Salman, Haider Qureshi. Frequency of Hepatitis B, Hepatitis C and Human Immunodeficiency Viruses in internally displaced persons of South Waziristan, Pakistan. 2016; *J Postgrad Med Inst*, 31(1)82-86. <https://jpmi.org.pk/index.php/jpmi/article/view/2015>
13. Nadia Kashif, Mohammad Tariq Masood, Hidayat Ullah, Adnan Gul, Zahid Aslam Awan, Mohammad Hafizullah, **Jawad Ahmed** and Abid Sohail Taj. Role of brain natriuretic peptide in the diagnosis and monitoring of iron deficient chronic heart failure patients. 2016. *JPMI* 30(4)371-375. <https://jpmi.org.pk/index.php/jpmi/article/view/1937>
14. Muhammad Tariq Masood Khan, Arshi Naz, Abid Sohail Taj, Tahir Sultan Shamsi, Muhammad Tariq Humayun Khan, Nazish Farooq, **Jawad Ahmed**. Haemophilia B diagnostic discrepancy: A survey to confirm diagnoses of Haemophilia B. 2017. *KMUJ* 9(1)19-23. <http://orcid.org/0000-0001-7841-7058>
15. Shazia Tariq, Tahir Sarwar, **Jawad Ahmed**, Ghazala Afridi, Shenaz Bukhtiar, Sunia Arif, Qurat-ul-Ain Tariq, Hayyan. PCR amplification and expression analysis of p7 gene of HCV in Huh-7 cell line. 2017. *JMS* 25(1)49-53. <https://www.jmedsci.com/index.php/Jmedsci>
16. **Jawad Ahmed** and Tayyab ur Rehman. (EDITORIAL) Measles elimination from Pakistan: a way forward. *Adv Basic Med Sci* 2017;1(2):35-36. <https://abms.kmu.edu.pk>
17. Jamshed Khan, Suhail Aziz, **Jawad Ahmed**, Ihsan Ullah, Muhammad Tahir Sarwar. (Review article) Intellectual disability. *Adv Basic Med Sci* 2017;1(2):37-40. <https://abms.kmu.edu.pk>
18. Humaira Khan, Maria Kamran, Tariq Masood, **Jawad Ahmed**, Shoaib Shah, Abid Sohail Taj. Hypogonadism in multiply transfused  $\beta$  - thalassemia syndrome patients. *Adv Basic Med Sci*, 2017;1(2):55-60. <https://abms.kmu.edu.pk>
19. Maria Kamran, Humaira Khan, Tariq Masood, **Jawad Ahmed**, Aakif Ullah Khan, Ubaidullah, and Abid Sohail Taj. Frequency of hypothyroidism in multi-transfused iron overloaded  $\beta$ -thalassemia syndrome patients. *Adv Basic Med Sci* 2017;1(2)61-66. <https://abms.kmu.edu.pk>
20. Tehmina Jalil, Yasir Yousafzai, Ibrahim Rashid, Shoaib Ahmed, Asif Ali, Sadia Fatima, **Jawad Ahmed**. Mutation analysis of beta Thalassaemia by multiplex ARMS-PCR in Khyber Pakhtunkhwa, Pakistan. 1<sup>st</sup> Jan, 2019. *JAMC* 31 (1) 98-103. <https://jamc.ayubmed.edu.pk> <https://journals.indexcopernicus.com/api/file/viewByFileId/760614.pdf>

21. Amina Gul, Naheed Gul, Ijaz Ali, **Jawad Ahmed**. Hepatitis C virus genotype 3a: predictive factors associated with treatment response in patients of Peshawar. *The Professional Medical Journal*. 2019, 26(8)13-15-1322. DOI: <https://doi.org/10.29309/TPMJ/2019.26.08.3876>
22. Luqman Shoaib, **Jawad Ahmed**. Frequency of *Mex A* gene in *Pseudomonas aeruginosa* isolated from clinical samples of tertiary care hospital in Pakistan. *The Professional Medical Journal*. 2020, 27(11) 2389-2393. DOI: <https://doi.org/10.29309/TPMJ/2020.27.11.4589>
23. Sidra Qureshi, Nousheen Bibi, **Jawad Ahmed**, Muhammad Jaseem Khan. Computational screening of pathogenic non-synonymous SNPs of human *TEX11* gene and their structural and functional consequences. *Meta Genomics*. June 2021. Vol 28(4) DOI:[10.1016/j.mgene.2021.100874](https://doi.org/10.1016/j.mgene.2021.100874).
24. Fazal Hanan, Jawad Ahmad, Shamsul Hadi, Ijaz Ali, Muhammad Fahim, Asif Qayum. Analysis of Dengue Virus Genotypes and Further Investigations for Mixed Infections Through RT-PCR in Classical Dengue Fever Patients in Pakistan. *International Journal of Pathology*, 2022. 20(2) 72-78. ISSN (Print) 1810-0155, ISSN (Online) 2079. Published 30-06-2022. [jpathology.com/index.php/OJS/article/view/743/429](http://jpathology.com/index.php/OJS/article/view/743/429).

## VII. PhD scholars supervised / under supervision

1. Dr Mohsina Haq, IBMS, Khyber Medical University, Peshawar	Supervisor	Degree Completed-2025
2. Azra, IBMS, Khyber Medical University, Peshawar (HEC)	Co-Supervisor	Degree Completed-2025
3. Sidra Qureshi, IBMS, Khyber Medical University, Peshawar	Supervisor	Degree Completed-2024
4. Habibullah Wazir, IBMS, Khyber Medical University, Pesh	Co-supervisor	Degree Completed-2024
5. Aslam Khan, IBMS, Khyber Medical University, Pesh	Supervisor	Degree Completed-2024
6. Sajjad Ahmad, IBMS, Khyber Medical University, Pesh	Supervisor	Degree Completed-2023
7. Dr Shahina Mumtaz, IBMS, Khyber Medical University,	Supervisor	Degree Completed-2020
8. Dr Shahida Tasneem, IBMS, Khyber Medical University,	Co-Supervisor	Degree Completed-2019
9. Dr Sohail Aziz Piracha, IBMS, Khyber Medical University,	Co-supervisor	Degree Completed-2019
10. Jaseem Khan, IBMS, Khyber Medical University, Pesh	Co-Supervisor	Degree Completed-2019
11. Dr M. Tariq Masood, IBMS, Khyber Medical University (HEC)	Supervisor	Degree Completed-2017
12. Dr Amina Gul, IBMS, Khyber Medical University, Pesh	Supervisor	Degree Completed-2016
13. Manzoor Ahmad, Deptt. Biochemistry, Hazara University, Man.	Co-supervisor	Degree Completed-2016
14. Dr Nageen Yousaf, Deptt. of Chemistry, University of Pesh.	Co-supervisor	Degree Completed-2015
15. Raheela, Deptt. of Chemistry, University of Peshawar (HEC)	Co-supervisor	Degree Completed-2015
16. Farmanullah, COBAM, University of Peshawar (HEC)	Co-supervisor	Degree Completed-2015
17. Mrs Shahnaz, Deptt. of Chemistry, University of Peshawar	Co-supervisor	Degree Completed-2014
18. Johar Jamil, COBAM, University of Peshawar (HEC)	Co-supervisor	Degree Completed-2013
19. Farhat Ullah, Quaid Azam University, Islamabad (HEC)	Co-supervisor	Degree Completed-2011
20. Habeeba Ishaq, IBMS, Khyber Medical University	Supervisor	Synopsis approved-2023

## VIII. MPhil scholars supervised

1. Saddiqa Gul **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2019.
2. Mirwais Khan **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2018.
3. Qurat-ul-Ain Shah **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2018.
4. Noreen Akhtar **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2018.
5. Zoulfishan Rahat **Supervisor**, IBMS, Khyber Medical University, Peshawar 2018.
6. Ghazala Zareen Afridi **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2018.
7. Dr Zubeda Irshad, **Supervisor**, IBMS, Khyber Medical University, Peshawar 2018.
8. Dr Shahnaz Bakhtiar **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2018.
9. Faiqa Fateen **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2017.
10. Dr Maria Khan **Supervisor**, IBMS, Khyber Medical University, Peshawar 2017.
11. M Suhaib Qudus **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2017.
12. Dr Najeebullah **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2017.
13. Faiz ul Hassan **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2017.
14. Dr Tabassum Imran **Supervisor**, IBMS, Khyber Medical University, Peshawar 2016.
15. Khayam ul Haq **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2016.
16. Dr Raheela Bano **Supervisor**, IBMS, Khyber Medical University, Peshawar 2016.
17. Shazia Tariq **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2016.
18. Dr Jamshed Khan **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2016.
19. Hina Ihsan **Completed** Co-supervisor, COBAM, University of Peshawar, 2015.
20. Abid Jan **Supervisor**, IBMS, Khyber Medical University, Peshawar 2015.
21. Dr Huma Rafi **Supervisor**, IBMS, Khyber Medical University, Peshawar 2015.
22. Dr. Kashif Uddin Khattak, **Supervisor**, IBMS, Khyber Medical University, Peshawar 2014.
23. Dr Anwar Khan, **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2014.
24. Dr Inayat ur Rehman, **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2014.
25. Arif Jamal, **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2014.
26. Dr Shabir Hussain **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2014.
27. Tayaba Bushra **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2014.
28. Rabia Begum **Completed** Co-supervisor, Deptt of Zoology, University of Peshawar 2014.
29. Fazal Hadi **Completed** Co-supervisor, Deptt of Biological Sciences, Uni of Hazara- 2014.
30. Saima Nisar, **Completed** Co-supervisor, Deptt; of Zoology, University of Peshawar 2014.
31. Dr Umar Aleem, **Completed** Co-supervisor, IBMS, Khyber Medical University, Peshawar 2013.
32. Dr Fazal Hanan, **Supervisor**, IBMS, Khyber Medical University, Peshawar 2013.
33. Ayaz Muhammad, **Completed** Co-supervisor, Department of Pharmacy, Uni of Peshawar 2012.
34. Dr Ibne Amin, **Completed** Co-supervisor, Khyber Medical College, Peshawar 2010.
35. Dr Shahina Mumtaz, **Completed** Co-supervisor, Khyber Medical College, Peshawar 2009.
36. Dr Amir Muhammad, **Completed** Co-supervisor, Khyber Medical College, Peshawar 2005.
37. Faisal Asghar, **Completed** Co-supervisor, University of Hazara, Mansehra. 2004.
38. Farmaullah, **Completed** Co-supervisor, University of Hazara, Mansehra. 2003.

## IX. Awards / Grants / Honors

1. Recipient of **Best University Teacher** award from HEC for the year 2010.
2. **Life Time Achievement Award**, Khyber Medical University, Peshawar - 2017.
3. Certificate of appreciation for attending 75 meetings of ASARB-KMU.
4. Successfully completed NRPU project from Higher Education Commission of Pakistan (NRPU NO 20-840/R&D/07/412) in Pakistan as Co-PI, worth **PKR 1.4 Million** for research in Toxoplasmosis with the collaboration of the Department of Zoology, University of Peshawar (Prof Dr Abdul Hameed Jan).
5. Co-PI with Dr Muhammad Tahir Sarwar in **PKR 0.5 Million** HEC funded project.
6. PI in **PKR 0.192 Mil** project funded by Relief International, Pakistan.
7. Co-PI with Prof Dr Niaz Ali in **PKR 6.00 Million** HEC funded project which is successfully completed (NRPU Award No:20-1723/R&D/10-5746 dated 26.10.2011). Pharmacological basis for ethnobotanical uses of some of medicinal plants of Malakand region.
8. Co-PI in **PKR 2.4 Million** funded project by Directorate of Science & Technology, Government of Khyber Pakhtunkhwa, Pakistan (Design and developing plasma sterilizer) in collaboration with the department of Physics, University of Peshawar.
9. PI in **PKR 17.4 Million** project for establishing molecular diagnostic set up at Khyber Medical University, Peshawar, 2015-18 awarded by Directorate of Science & Technology, Government of Khyber Pakhtunkhwa, Ministry of IT & Science Technology.
10. Co-PI with Dr Muhammad Tahir Sarwar in HEC funded project No 20-4222/NRPU/R&D/HEC/2014 amounting **PKR 2.7 Million** under NRPU-2015-18 under title "Expression analysis of esophageal squamous cell carcinoma in KPK and afghan patients using CoX-2 as biomarker".
11. Co-PI with Dr Anisa Qamar in **Rs13.4 Million** HEC funded NRPU project No 9740/KPK/NRPU/R&D/HEC/2017 dated 14-03-2019.
12. PI in **PKR 10.901 Million** HEC funded NRPU project No.20-16051/NRPU/R&D/HEC/2021 dated 17-11-2021.
13. Co-PI with Dr Hafsa Muhammad in **PKR 8.772 Million** HEC funded NRPU project No.16552-FY2022 Notification No: Ref No. 20-16552/NRPU/R&D/HEC/2021 2021 dated 18-11-2021.

## X. Positions held in International / National Technical Organizations

1. Member American Society for Microbiology, USA.
2. Member Global Translational Medicine Consortium (**GTMC**) operated by European Society for Translational Medicine (EUSTM) Vienna, **Austria**.
3. Life member Pakistan Biological Safety Association (PSBA), **Pakistan**
4. Life Member of Pakistan Association of Pathologists, Pakistan.
5. Member experts committee of **HEC** for the evaluation/recognition of national health sciences research journals, vide notification Ref:Dir.R&D/HEC/Exp(Health)/2019/103 dated 17-07-2019.
6. Member "**National Authority for Containment**" Ministry of National Health Services, Regulations and Co-ordination, Government of Pakistan. F No PEI/EOC/6.4/2018/010 dated 9th April, 2018.
7. Technical expert **HEC** for review of MS/MPhil/PhD programs in all Pakistani universities under Quality Assurance Agency (2017) HEC, Islamabad.
8. Technical expert for national curriculum revision committee (Microbiology) of Higher Education Commission of Pakistan.
9. Member Technical Committee, Pakistan Science Foundation, Pakistan (No PSF/Res/TC-Med/2014 dated 05-03-2014).
10. Focal Person for projects review for National Research Program for Universities (2015-2016) Higher Education Commission of Pakistan.
11. Member Provincial **Infection Control Committee**, Health Department, Government of Khyber Pakhtunkhwa.
12. Member expert panel for Health Care Commission (**HCC**) Khyber Pakhtukhwa.
13. Member of **FATA Expert Review Committee** (**ERC**) for Acute Flaccid Paralysis (AFP) case classification, Department of Health, KP.
14. Member, Technical committee for procurement of equipment for **Shaheed Muhtarma Benazir Bhutto** Children Hospital, Mardan.
15. Member departmental selection committee, Khyber College of Dentistry, Peshawar vide notification No 1718/Est/KCD dated 17/06/2017.
16. Member, National Laboratory Working Group (NLWG) strategic plan, Public Health Laboratory Division, National Institute of Health, Ministry of NHR&C, Islamabad.

## **XI. Responsibilities / Positions held in Khyber Medical University**

1. **Ex-Editor in Chief**, Advances in Basic Medical Sciences, Institute of Basic Medical Sciences, Khyber Medical University, Peshawar vide notification No KMU/2018/59-1/KMU-J/232 dated 12-01-2018 (<https://abms.kmu.edu.pk/index.php/abms>).
2. **Ex-Member of Editorial Board**, Khyber Medical University Journal ([www.kmuj.kmu.edu.pk](http://www.kmuj.kmu.edu.pk)).
3. Convener "**KMU admissions Committee**" for medical/dental colleges in private and public sector of Khyber Pakhtunkhwa, 2018-19, 2019-20, 2021-22, 2022-23 and 2023-24.
4. Ex-Convener "**KMU Appellate Medical Board for MBBS/BDS admissions**" for medical/dental colleges of Khyber Pakhtunkhwa, vide notification No. KMU/VC/(PS)2018/198 dated 15-10-2018.
5. Ex-Convener "**KMU Hafize-e-Quran committee for admissions**" for medical/dental colleges of Khyber Pakhtunkhwa, vide notification No. KMU/VC/(PS)2018/195 dated 12-10-2018.
6. Appointed as **Pro-Vice-Chancellor**, Khyber Medical University, Peshawar (vide Higher Education Department, Government of KP Notification No-SO (U-I) HE/21-1/ProVC/KMU-Dated 13-07-2017).
7. Served as **Dean**, Faculty of Basic Medical Sciences, Khyber Medical University, Peshawar (Notification No. KMU(SA&A)/2016/1-4/3063 dated 15-08-2016).
8. **Founding Director** Institute of Basic Medical Sciences (**IBMS**) Khyber Medical University, Peshawar (**KMU**) Jan 2011 to Nov 2017 vide notification No KMU(E)/12-84(C)/2010/2367 dated 18-02-2011.
9. **Project Director**, Institute of Basic Medical Sciences, Khyber Medical University, Peshawar (Notification No SOH-1/HD/3-5/07 dated 04-11-2009 and KMU Notification No KMU(E)/9-138/2009/3449 dated 10-11-2009).
10. Served as member **Senate**, Khyber Medical University, Peshawar vide KMU-Registrar Notification No. KMU(SA&A /2012/71-1/1350 dated 29-03-2013).
11. Elected as member **Syndicate**, Khyber Medical University, Peshawar.
12. Serving as member **University Selection Board**, Khyber Medical University, Peshawar.
13. Served as Chairman **Affiliation Committee**, Khyber Medical University, Peshawar.
14. Serving as member **Academic Council**, Khyber Medical University, Peshawar.
15. Member of Advanced Studies and Research Board (**ASARB**) Khyber Medical University, Peshawar and chaired several sessions, since 2012.
16. Appointed as member Finance and Planning Committee (**F&PC**) Khyber Medical University.
17. Chairman, Institutional Board of Studies (**IBOS**) Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, since 2011 renewed vide Notification No KMU (SA&A/2017/121-1/3210 dated 08-09-2017).
18. Member of **Institutional Board of Studies**, KMU – Institute of Paramedical Sciences, Peshawar.

19. Served as convener, Graduate Study Committee (**GSC**) Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, 2011-2018 and as a member vide notification No 367/KMU/Dir/AA&QA dated 19-01-2018.
20. Member of Graduate Study Committee (**GSC**) Institute of Nursing Sciences - Khyber Medical University, Peshawar.
21. Worked as convener, **Affiliation Inspection** Committee, Khyber Medical University, Peshawar.
22. Chairman of **Financial Assistance Committee**, Institute of Basic Medical Sciences - Khyber Medical University, Peshawar.
23. Worked as Convener, Departmental Technical Review Committee (**DTRC**) Institute of Basic Medical Sciences - Khyber Medical University vide notification No KMU(E)/12-103/2011/135 dated 10-01-2017.
24. Chairman "**Bio-safety Committee**" Khyber Medical University, Peshawar, 2017.
25. Member of **Emergency Committee** appointed by Senate, Khyber Medical University, Peshawar.
26. Member of **Equivalence Committee**, Khyber Medical University, Peshawar.
27. Member of **Grievances Committee**, Khyber Medical University, Peshawar.
28. Chairman of **Study Leave Committee**, Khyber Medical University, Peshawar.
29. Chairman of **Disciplinary Committee**, Khyber Medical University, Peshawar.
30. Member of **Plagiarism standing committee**, Khyber Medical University vide notification No. KMU(SA&A) 17<sup>th</sup> Syndicate/2015/3-7/1761 dated 01-06-2015 and KMU/2011/32-I/449 dated 28-01-2018.
31. Officiated as chairman of **Technical / inspection Committee**, Khyber Medical University, Peshawar up to January, 2017.
32. Chairman of **Projects Technical / inspection Committee**, Khyber Medical University, Peshawar up to July, 2017.
33. Chairman, **Human Resource Development Committee**, Khyber Medical University, Peshawar.
34. Convener of **Progress review committee** for PhD and MPhil Program, Institute of Basic Medical Sciences, KMU.
35. Member, **Institutional Scholarship Award Committee**, Institute of Basic Medical Sciences, KMU vide notification No 3518/KMU/Dir/AA&QA dated 3-8-2018.
36. Chairman of the **Committee formulating job description** of teaching faculty, KMU.
37. Chairman of **Contract Employment Committee** (previously 11(5)c now 11(5)d) KMU.
38. Convener "**KMU Anomaly Committee**" vide notification No (KMU (SA&A)/2017/1-7/3111 dated 29-08-2017)
39. Member of the committee for the selection of "**Best University Teacher Award**" Khyber Medical University, Peshawar (Notification No KMU (SA&A/2017/GC/Vol-II/15-2/3064 dated 23-08-2017).
40. Convener "**Screening test and demonstration committee**" vide notification No KMU/SA&A/2017/1-7/3209 dated 08-09-2017.

41. Chairman "**KMU Ethics Committee**" vide notification No KMU(SA&A) /R&ES/86-IV /635 dated 15-02-2018.
42. Member steering committee Public Health Reference Laboratory (**PHRL**) IBMS-KMU, Peshawar vide health department KP notification No E&A(Health)2-264/notification/2019 dated 07-5-2019.

## **XII. Positions held in other Universities**

1. Member **Board of Studies**, Institute of Allied Health Sciences, Sarhad University of Science & Information Technology, Peshawar vide Deputy Registrar (Academics) notification SUIT/BOS-Notice/2022/514 dated 8<sup>th</sup> March 2022.
2. Member **Board of Studies**, Centre for Biotechnology and Microbiology, University of Peshawar vide Assistant Registrar notification No 5129/Acad-I dated 08-05-2018.
3. Member of **Ethical Board**, University of Peshawar 2017-2020.
4. Appointed as member of **Senate**, University of Swabi, Khyber Pakhtunkhwa 2013 - 2016.
5. Served as of **Academic Council**, University of Swabi, Khyber Pakhtunkhwa, 2013 - 2016.
6. Served as member of Finance and Planning Committee (**F&PC**) University of Swabi, Khyber Pakhtunkhwa, 2013 - 2016.
7. Served as member of Departmental Technical Review Committee (**DTRC**), University of Swabi, 2013 - 2016.
8. Appointed as member **Institutional Board of Studies**, Department of Microbiology, Women University, Mardan vide notification No. 258/Acad-1 dated 22-11-2016.
9. Appointed as member of **Institutional Board of Studies**, Department of Microbiology (Acad(53)/UH-REG/2015/751 dated 4<sup>th</sup> Aug 2017) University of Haripur, KP.
10. Appointed as member of **Institutional Board of Studies**, (390/Acad-I/BOS/Microbiology/2017 dated 17<sup>th</sup> Jan 2017) University of Malakand, Chakdara, Dir (L), KP.
11. Member **Departmental Technical Review Committee (DTRC)**, Shaheed Banazir Bhutto Women University, Peshawar, 2018.
12. Member Technical sub-committee University of Peshawar, vide notification No 16/P&D dated 17-06-2019.
13. Member Senate, Women University Swabi, 2022-2025.
14. Guidance and examination committee (GEC) member, NUST, Islamabad for Ms Saman Toufeeq Reg No 00000117940.

### **XIII. Conferences / workshops organized**

1. Organizer (Finance chair), “**1<sup>st</sup> International Conference in Basic Medical Sciences 24-26<sup>th</sup> October, 2018**” held at IBMS, Khyber Medical University, Peshawar, Pakistan.
2. Facilitator in one day pre-conference workshop on “**Next Generation Sequencing**” in “**1<sup>st</sup> International Conference in Basic Medical Sciences 24-26<sup>th</sup> October, 2018**” held at IBMS, Khyber Medical University, Peshawar, Pakistan.
3. Facilitator in one day pre-conference workshop on “**PCR and its applications in Diagnostics**” in **8<sup>th</sup> International Annual Health Research Conference 24-26<sup>th</sup> April, 2017, One Health – the way forward** held at IBMS, Khyber Medical University, Peshawar, Pakistan.
4. Focal organizer for second conference “**Advances in Cancers and Haematology**” 27-28<sup>th</sup> Jan 2017, Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, Pakistan.
5. Facilitator in one day workshop on RT-PCR “**Advances in Cancers and Haematology**” 26<sup>th</sup> Jan 2017, Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, Pakistan.
6. Organizer, 39<sup>th</sup> Annual **Pakistan Association of Pathologists Conference-2016** and 4<sup>th</sup> joint conference of societies of Pathology 25-27<sup>th</sup> Nov, 2016, Khyber Medical University, Peshawar, Pakistan.
7. Facilitator, Pre-conference workshop on “**PCR and its applications in Diagnostics**” in 39<sup>th</sup> Annual Pakistan Association of Pathologists Conference-2016 and 4<sup>th</sup> joint conference of societies of Pathology 25-27<sup>th</sup> Nov, 2016, Khyber Medical University, Peshawar, Pakistan.
8. Organizer, 7<sup>th</sup> Annual Health Research Conference “**From therapeutics to prevention: the way forward**” April 29-30<sup>th</sup> and 1<sup>st</sup> May 2016, Khyber Medical University, Peshawar, Pakistan.
9. Pre-conference workshop on “**PCR and its applications in Diagnostics**” in 7<sup>th</sup> Annual Health Research Conference “**From therapeutics to prevention: the way forward**” April 29-30<sup>th</sup> and 1<sup>st</sup> May 2016, Khyber Medical University, Peshawar, Pakistan.
10. Focal organizer for first conference “**Advances in Cancers and Haematology**” 31<sup>st</sup> Jan 2016, Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, Pakistan.
11. Facilitator in one day workshop on RT-PCR “**Advances in Cancers and Haematology**” 30<sup>th</sup> Jan 2016, Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, Pakistan.
12. Organizer in one day workshop on “**PCR and its applications in diagnostics**” 29<sup>th</sup> April, 2015 in Khyber Medical College, Peshawar, Pakistan.
13. Organizer in one day workshop on “**PCR and its applications in diagnostics**” 27<sup>th</sup> Feb, 2015 in Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, Pakistan.
14. Organizer, three day workshop on “**PCR and its applications**” in Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, Pakistan 28<sup>th</sup>-30<sup>th</sup> July, 2014.
15. Three days workshop on “**PCR and its applications**” in Institute of Basic Medical Sciences - Khyber Medical University, Peshawar, Pakistan 2<sup>nd</sup>-4<sup>th</sup> June, 2014.

16. Chairman organizing committee for two days workshop on "Bioinformatics in Medicine" held on 14-15<sup>th</sup> May 2012, in the institute of Basic Medical Sciences, Khyber Medical University, Peshawar, Pakistan, Pakistan.
17. Secretary Organizing Committee for 11<sup>th</sup> Annual Haematology Conference held in Khyber Medical College, Peshawar, Pakistan from Feb 14-15<sup>th</sup> 2009.
18. Secretary Organizing Committee for 31<sup>st</sup> Annual Conference Pakistan Association of Pathologists held in Nov 2007, Khyber Medical College, Peshawar, Pakistan.

#### XIV. Presentations in International/National conferences

1. **Jawad A**, PM Hawkey, J Heritage, and AM Snelling. Description of a new selective and differential medium for the isolation of clinically important *Acinetobacter* spp. - Leeds *Acinetobacter* medium. *Acinetobacter* '94, Third International Symposium on the Biology of *Acinetobacter*, Edinburgh, Scotland, UK; 14<sup>th</sup> -16<sup>th</sup> September, 1994.
2. **Jawad A**, PM Hawkey, J Heritage, and AM Snelling. Survival of *Acinetobacter* spp. on dry surfaces when suspended in different menstrua. Abstract No. J27, 36<sup>th</sup> ICAAC, New Orleans, Louisiana, September 15-18, 1996. American Society for Microbiology Washington, DC.
3. **Jawad A**, AM Snelling, J Heritage, and PM Hawkey. Exceptional desiccation tolerance of *Acinetobacter radioresistens*: a cause for concern? Abstract no J204, 37<sup>th</sup> ICAAC, Toronto, Canada, 28<sup>th</sup> Sept. - 1<sup>st</sup> Oct. 1997. American Society for Microbiology Washington, DC.
4. Noor Jehan, Rabihat Begum, Alia Naz, Fazle Raziq and **Jawad Ahmed**. Integrated GIS and preventive strategies for the control and monitoring of transmission of epidemics of HIV/AIDS in NWFP, Pakistan. International conference on environmental challenges March 11-13<sup>th</sup>, 2004. Department of environmental sciences, University of Peshawar, NWFP, Pakistan.
5. Ghareeb Nawaz, **Jawad Ahmed**, Abdul Hamid Jan, Mumraiz Khan. Current antibiotic susceptibility pattern of common bacterial isolates from Peshawar. Annual Conference, Pakistan Association of Pathologists, Nov 29<sup>th</sup> - Dec 2<sup>nd</sup> 2007, Khyber Medical College, Peshawar, NWFP, Pakistan.
6. Farman Ullah, **Jawad Ahmed**, Habib Ahmad, Farhat Ullah. Investigation of antibiotic resistance in *Escherichia coli* causing urinary tract infection in Peshawar. Annual Conference, Pakistan Association of Pathologists, Nov 29<sup>th</sup> - Dec 2<sup>nd</sup> 2007, Khyber Medical College, Peshawar, NWFP, Pakistan.
7. Shahina Mumtaz and **Jawad Ahmed**. Prevalence of diarrhoea in children under 5 years of age caused by *Cryptosporidium*. Annual Conference, Pakistan Association of Pathologists, Nov 29<sup>th</sup> - Dec 2<sup>nd</sup> 2007, Khyber Medical College, Peshawar, NWFP, Pakistan.

8. Ullah F, SA. Malik, **J. Ahmed**, and AM Snelling. Investigation of the genetic basis erythromycin resistance in *Staphylococci aureus*, including MRSA, from Pakistan. European Congress of Clinical Microbiology and Infectious Diseases (ECCIMD) 19<sup>th</sup> –22<sup>nd</sup> April 2008, Barcelona, Spain.
9. Fazal Hanan, **Jawad Ahmed** and Mukhtar Zaman. Genotyping of dengue virus isolated from classical dengue fever. 5<sup>th</sup> Annual Health Research Symposium-2-13 **Today's Research, Tomorrow's Health**, 13-16<sup>th</sup> Feb 2014, Khyber Medical University, Pakistan.
10. Maria Kamran, **Jawad Ahmed**, Aakif Ullah Khan, Afzal Hasan Khan, Yousaf Khan, Abid Sohail Taj. Thyroid function assessment in relation to iron overload in multi-transfused beta thalassemia syndrome patients. Submitted to 38<sup>th</sup> Annual Conference of PAP, Peshawar, 2014.
11. Humaira Khan, **Jawad Ahmed**, Afzal Hasan Khan, Shoaib Shah, Yousaf Khan, Abid Sohail Taj. Assessment of gonadal function in relation to iron overload in multi-transfused beta- thalassemia syndrome patients. Submitted to 38<sup>th</sup> Annual Conference of PAP, Peshawar, 2014.
12. Abid Jan, **Jawad Ahmed**, Shafiq Ahmad Tariq, Tayyab ur Rehman. *Escherichia coli* O157H:7: prevention, susceptibility and transmission dynamics in farm workers. 1<sup>st</sup> International conference on Zoonoses. Bahauddin Zakariya University, Multan, 16-17<sup>th</sup> Oct 2014.
13. M. Ansar, ..... **J. Ahmed**, ..... Genomic variants in *LINGO1* likely cause autosomal recessive intellectual disability and developmental delay. American Society of Human Genetics. Annual meeting 18-22 Oct, 2016 - Vancouver, Canada. Abstract No **2495T** (IF = 10.89)
14. P. Makrythanasis M. Ansar, MT Sarwar, H. Shaikh, SA. Paracha, J. Khan, A.A. Khan, A. Suhail, Z. Iqbal, Y.M. Waryah, S. Temtamy, A. Megarbane, A. Masri, M.S. Aglan, M.S. Zaki, S. Kitsiou-Tzeli, H. Fryssira, N. Al-Allawi, A. Sefi ani, S. Al-Hait, L. Al-Gazali, N. Jalkh, M. Guipponi, F.A. Santoni, H. Hamamy, E. Frengen, A.M. Waryah, **J. Ahmed**, S.E. Antonarakis. The identification of novel causative variant and likely non-pathogenic loss – of – function variants in consanguineous families. American Society of Human Genetics, Annual meeting 18-22 Oct, 2016 - Vancouver, Canada. Abstract No **2598F** (IF = 10.89).
15. M. Ansar, S. Riazuddin, P. Makrythanasis, M. T. Sarwar, Z. Iqbal, J. Khan, S. A. Paracha, M. Hussain, A. Razzaq, D. L. Polla, A. Suhail, A. Holmgren, D. Misceo, A. P. M. de Brouwer, M. Guipponi, F. A. Santoni, E. Frengen, **J. Ahmed**, H. van Bokhoven, S. Riazuddin, S. E. Antonarakis; P08-54-Exome sequencing reveals *LINGO1* causative variants in autosomal recessive intellectual disability and developmental delay. European Journal of Human Genetics Vol 24 E- Supplement 1 May-2016. (IF = 4.287)
16. Ranza, E, M Ansar, P. Makrythanasis, N. Batool, MT Sarwar, SA Paracha, J Khan, I. Kern, FA Santoni, **J. Ahmed**, SE Antonarakis. *SLC6A6* taurine transporter: a novel autosomal recessive candidate gene for progressive visual impairment. European Society of Human Genetics (ESHG) conference P02.45A. 27-30<sup>th</sup> May, 2017, Copenhagen, Denmark.
17. Makrythanasis, PM, Ansar, N Batool, H Shaikh, MT Sarwar, AA Khan, SA Paracha, J Khan, YM Waryah, S Temtamy, M Guipponi, A Megarbane, A Masri, MS Aglan, N Al-Allawi, S Kitsiou-Tzeli, A

- Sefiani, S Al-Hait, L Al-Gazali, N Jalkh, H Frysira, MS Zaki, H Hamamy, E Frengen, AM Waryah, **J Ahmed**, SE Antonarakis. Identification of likely non-pathogenic loss-of-function variants in consanguineous families. European Society of Human Genetics (ESHG) conference P18.38B. 27-30<sup>th</sup> May, 2017, Copenhagen, Denmark.
18. M. Ansar, P. Makrythanasis, H Shaikh, K. Gul, A. A. Khan, SA Paracha, J Khan, S. Quereshi, S Imtiaz, YM Waryah, E Falconnet, PG Ribaux, M Guipponi, Z. Iqbal, C. Borel, FA Santoni, **J. Ahmed**, Y.M. Waryah, M.T. Sarwar, SE Antonarakis. Genetic analysis of 100 consanguineous families to identify the molecular cause of mendelian visual impairment. 50<sup>th</sup> conference European Society of Human Genetics (ESHG) conference P02.02.10B - 27-30<sup>th</sup> May, 2017, Copenhagen, Denmark.
19. Muhammad Ansar, MT Sarwar, Hina Shaikh, P Makrythanasis, K Gul, AA Khan, A Nazir, SA Paracha, J Khan, S Qureshi, S Imtiaz, Z Iqbal, E Falconnet, PG Ribaux, YM Waryah, M Guipponi, Christelle Borel, FA Santoni, AM Waryah, **Jawad Ahmed**, Stylianos E. Antonarakis. Identification of novel candidate genes for recessive visual impairment by analyzing 132 consanguineous families. PgmNr 1100/T. 2017 American Society of Human Genetics (ASHG).
20. Gulab Fatima Rani, Tariq Masood, Safia Jalal, Yousaf Khan, Anisa Hussain, Shabir Khan, **Jawad Ahmed**, Abid S Taj. *Effects of Immunosuppressive Therapy on Cell Mediated Immunity in Idiopathic Acquired Aplastic Anaemia*. 59<sup>th</sup> ASH Meeting 9-12<sup>th</sup> December, 2017.
21. Muhammad Ansar, Aamir Nazir, Hyunglok Chung, Samina Imtiaz, Muhammad T. Sarwar, Periklis Makrythanasis, Emilie Falconnet, Michel Guipponi, Christelle Borel, CJ Pournaras, MA Ansari, Emmanuelle Ranza, Federico A. Santoni, **Jawad Ahmed**, Inayat Shah, Khitab Gul, Hugo Bellen, Stylianos E. Antonarakis. *Biallelic loss-of-function variants in DNMBP cause congenital cataract and visual impairment*. 51<sup>st</sup> Conference of European Society of Human Genetics (ESGH) 2018, June 16–19, 2018, Fiera Milano Congressi, Milan Italy. Published in *European Journal of Human Genetics* *European Journal of Human Genetics* volume 27, pages 748–869 (2019).
22. P. Makrythanasis, S. A. Paracha, A. Serretti, M. T. Sarwar, J Khan, E. Falconnet, E. Ranza, M. Guipponi, FA Santoni, Megarbane A, **J. Ahmed**, R Colombo, M. Ansar, S. E. Antonarakis. Evidence that biallelic loss-of-function variants in *FBXL3*, cause developmental delay /intellectual disability, facial dysmorphism and short stature. 68<sup>th</sup> Annual meeting of American Society of Human Genetics (ASHG) –San Diego California, USA 16-20<sup>th</sup> October 2018.
23. Stylianos E. Antonarakis, Sohail A. Paracha, Samina Imtiaz, Aamir Nazir, Yar M. Waryah, Periklis Makrythanasis, S. Qureshi, S Saeed, J Khan, Emilie Falconnet, Michel Guipponi, Christelle Borel, Maqsood Ali Ansari, Eirik Frengen, Emmanuelle Ranza, Federico A. Santoni, Inayat Shah, Khitab Gul, **Jawad Ahmed**, Ali M. Waryah, Muhammad T. Sarwar, Muhammad Ansar. *36 Novel recessive candidate genes for Intellectual Disability and Visual impairment by using 269 consanguineous families*. 68<sup>th</sup> Annual meeting of American Society of Human Genetics (ASHG) – San Diego California, USA 16-20<sup>th</sup> October 2018.

24. Muhammad Ansar, Hyunglok Chung, Rachel Taylor, Aamir Nazir, Samina Imtiaz, Muhammad T. Sarwar, Periklis Makrythanasis, Sundas Qureshi, Emilie Falconnet, Michel Guipponi, Domino Schlegel, Stephan Neuhauss, Constantin J. Pournaras, Emmanuelle Ranza, Federico A. Santoni, **Jawad Ahmed**, Inayat Shah, Khitab Gul, Graeme Black, Hugo Bellen, Stylianos E. Antonarakis. *Biallelic loss-of-function variants in DNMBP cause congenital cataract and visual impairment in human and flies*. 68<sup>th</sup> Annual meeting of American Society of Human Genetics (ASHG) –San Diego California, USA 16-20<sup>th</sup> October 2018. Submitted.
25. Regional Capacity Building in Hematology: Initiative for Advances in Hematology in an Under-resourced Province of Pakistan. Muhammad Tariq Masood Khan, Saffia Jalal, **Jawad Ahmed**, Abid Sohail Taj. 60<sup>th</sup> American Society for Haematology Annual Meeting and Exposition, 1-4<sup>th</sup> Dec, 2018, San Diego, USA.
26. Ishaq Khan, Muhammad Usman, Muhammad Asif, Zilli Huma, **Jawad Ahmed** and Aneela Javed. *Ameliorating the cytotoxic effects cisplatin and methotrexate via specific inhibition of ABCG2 and ABCB5 in primary brain tumors*. European Association of Cancer Research (EARC) Making it personal: Cancer Precision Medicine, Bergamo, Italy. 5-7<sup>th</sup> November, 2018.
27. Muhammad Ansar, Emmanuelle Ranza, Madhur Shetty, Sohail A. Paracha, Azam M, Muhammad T. Sarwar, Ilse Kern, Omer Farooq, Constantin J. Pournaras, Ariane Malcles, Ali L, Federico A. Santoni, Periklis Makrythanasis, Qamar R, **Jawad Ahmed**, Keith Henry, Stylianos E. Antonarakis. *Taurine supplementation treatment for progressive retinal degeneration and cardiomyopathy caused by a novel recessive gene SLC6A6*. 69<sup>th</sup> Annual meeting of American Society of Human Genetics (ASHG) – Goerge R. Brown Convention Center, Houston, USA 15-19<sup>th</sup> October 2019.
28. Muhammad Ansar, Ali Al- Otaibi, Hyunglok Chung, Sohail A. Paracha, Tayseer Abdel Magid, Muhammad T. Sarwar, Periklis Makrythanasis, Emilie Falconnet, Emmanuelle Ranza, Federico A. Santoni, **Jawad Ahmed**, Ali Al-Asmari, Hans-Christian Kornau, Hugo Bellen, Stylianos E. Antonarakis. *Biallelic variants in IQSEC1 cause intellectual disability, developmental delay and short stature*. 69<sup>th</sup> Annual meeting of American Society of Human Genetics (ASHG) –Goerge R. Brown Convention Center, Houston, USA 15-19<sup>th</sup> October 2019.
29. Antonarakis, SE, Paracha, SA, Imtiaz, S, Nazir, A, Waryah, YM, Makrythanasis, P. Makrythanasis, P; Qureshi, S, Khan, J, Falconnet, E. Guipponi, M. Borel C, Ansari MA, Iqbal Z, Frengen E, Ranza E, Santoni FA, Gul K, **Ahmed J**, Sarwar MT, Waryah AM, Ansar M. *Identification of 46 novel recessive candidate genes for intellectual disability and visual impairment in 350 consanguineous families*. 69<sup>th</sup> Annual meeting of American Society of Human Genetics (ASHG) –Goerge R. Brown Convention Center, Houston, USA 15-19<sup>th</sup> October 2019.
30. Davis, EE Ansar, M; Ullah, F; Paracha, SA; Adams, DJ; Lai, A; Pais, L; Iwaszkiewicz, J; Millan, F; Sarwar, MT; Agha, Z; Shah, SF; Qaisar, AA; Falconnet, E; Zoete, V; Ranza, E; Makrythanasis, P; Santoni, FA; **Ahmed, J**; Katsanis, N; Walsh, C; Antonarakis, SE. *Biallelic variants in DYNC112 cause syndromic microcephaly with intellectual disability, global developmental delay and*

dysmorphic facial features. European Journal of Human Genetics Volume: 27. Pages: 1385-1386 Supplement: 2; P08.17B Published: OCT 2019. Meeting Abstract. 52<sup>nd</sup> Conference of the European-Society-of-Human-Genetics (ESHG) Gothenburg, SWEDEN.

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32. Muhammad Ansar, Ali Al- Otaibi, Hyunglok Chung, Sohail A. Paracha, Tayseer Abdel Magid, Muhammad T. Sarwar, Periklis Makrythanasis, Emilie Falconnet, Emmanuelle Ranza, Federico A. Santoni, **Jawad Ahmed**, Ali Al-Asmari, Hans-Christian Kornau, Hugo Bellen, Stylianos E. Antonarakis. Abstract ID: **R6466**. Identification, Characterization, and Treatment for a Taurine Transporter (SLC6A6) Variant Resulting in Taurine Deficiency and Pathologies in a Consanguineous Family. Presentation Session Title: Transporters Programming Society: American Society for Pharmacology and Experimental Therapeutics. Presenting Author: L. Keith Henry. Monday, April 6, 2020.

## **XV. Participation in WORKSHOPS / CONFERENCES**

1. **Refresher Course for HIV surveillance staff** organized by provincial AIDS control programme, Directorate General Health Services, NWFP, Peshawar. 13<sup>th</sup>-14<sup>th</sup> July, 2001
2. **Pakistan Association of Pathologists** (PAP) held at Army Medical College, Rawalpindi, Pakistan. Dec 13-15<sup>th</sup>, 2002.
3. **29<sup>th</sup> National Conference of Pakistan Association of Pathologists** 16<sup>th</sup>-19<sup>th</sup> Nov 2005 at Expo Center, Karachi.
4. **34<sup>th</sup> National Conference of Pakistan Association of Pathologists** 5<sup>th</sup>-7<sup>th</sup> Nov 2010 at King Edward Medical University, Lahore.
5. Two Days workshop on "**Internal Quality Assurance Mechanisms**" held on March 24-25, 2010 organized by QEC, Khyber Medical University, Peshawar.
6. **SAR writing and assessment procedures** 6-7<sup>th</sup> May 2011, QEC, KMU, Peshawar.
7. "**Testing and Assessment**" National Academy of Higher Education, HEC, 17 – 20<sup>th</sup> October 2011.
8. "**One day training course for editors on medical journal's publication**" 16<sup>th</sup> Sept 2012 held at Institute of Basic Medical Sciences, Khyber Medical University, Peshawar.
9. Workshop on "**Applications of DNA sequencing in medicine and Biotechnology**" at Dr Panjwani Center for Molecular Medicine and Drug Research, Karachi. Feb 27-29<sup>th</sup>, 2012.
10. Training course for **EDITORS** at Khyber Medical University, Peshawar, organized by PAME and EMAME on Sept, 16, 2012.

11. "One day experience sharing and consultative workshop on **"Fighting Zoonosis in Pakistan"**" 9<sup>th</sup> Jan 2013 by Relief International at Hotel Margalla, Islamabad, Pakistan.
12. **National curriculum revision committee for microbiology meeting** held 12-14<sup>th</sup> March 2013, regional center Lahore, Pakistan.
13. **"Control and prevention of zoonosis in Khyber Pakhtunkhwa"** March 7<sup>th</sup> 2013 organized by Relief International, Pakistan.
14. Workshop on **"Dissemination of Pakistan Standards on healthcare & National challenges and opportunities in Standardization"**. September 9<sup>TH</sup> – 10<sup>TH</sup> 2013, Bhurban, Pakistan.
15. **"Fundamentals of intellectual property"** 18<sup>th</sup> September 2013, NUST, Islamabad.
16. One day **collaborative seminar** on 9<sup>th</sup> Dec, 2013 in KRL Hospital, Islamabad.
17. One day **collaborative symposium** on 26<sup>th</sup> March, 2014 in KRL Hospital, Islamabad.
18. One day seminar on the awareness of **"Horizon 2020"** – April, 2014, NUST, Islamabad.
19. **"First International Conference on Zoonosis"** 16-17<sup>th</sup> Oct, 2014 at Bahauddin Zakaria University, Multan.
20. **"3<sup>rd</sup> International Conference on Medical Education and Research"** 4-5<sup>th</sup> April, 2015 at Khyber Medical University, Peshawar.
21. 6<sup>th</sup> Annual Health Research Conference on **"Translating research into Clinical Practice"** in Khyber Medical University 28<sup>th</sup> Feb-1<sup>st</sup> March 2015.
22. Facilitator in two days workshop on **"Infection Prevention"** jointly organized by ORIC, Khyber Medical University and GIZ on 29-30<sup>th</sup> Oct 2015.
23. HRD vision 2015-2025, Higher Education Commission, Islamabad 13<sup>th</sup> Oct 2015.
24. **"Next Generation Sequencing-Basic Science and Clinical Application"** Institute of Basic Medical Sciences - Khyber Medical University, Peshawar. 17<sup>th</sup> Nov, 2015.
25. Facilitator in two days workshop on **"Infection Prevention"** jointly organized by ORIC- Khyber Medical University on 25-26<sup>th</sup> Jan 2016.
26. Association for Excellence in Medical Education (AEME) **"AEME conference 2016"** Standardizing medical education in Pakistan: A national agenda. March 4-6<sup>th</sup> 2016 at Khyber Medical University Peshawar.
27. One day workshop **"Development of University Calendar"** June 3<sup>rd</sup>, 2016 organized by **"Quality Enhancement Cell"** at Khyber Medical University, Peshawar.
28. **"Strengthening and sustaining a network of public and animal health clinical laboratories in Pakistan" 27-29<sup>th</sup> Sept 2016**, Pakistan Academy of Sciences, Islamabad.
29. International Center for Clinical Research, Pakistan in collaboration with World Diabetes Foundation **"Mass Media Campaign for Timely Detection, Management and prevention of Gestational Diabetes Mellitus in Pakistan"**. 11<sup>th</sup> Jan, 2017, in IBMS-KMU, Peshawar.
30. **Annual Health Research Conference 2017**, One Health - the way forward, 24-26<sup>th</sup> April, 2017 at Khyber Medical University, Peshawar - Pakistan.

31. Two days consultation on "**Diploma in Family Medicine in Pakistan**" Pearl Continental Hotel, Peshawar, Pakistan, 11-12<sup>th</sup> July, 2017 organized by WHO.
32. Three days workshop on **2<sup>nd</sup> National Infectious Diseases Surveillance and Response (IDSR) Subgroup meeting** at Changla Gali, KP 28-30<sup>th</sup> August, 2017.
33. 3<sup>rd</sup> National workshop "**Organic Food and Health: Avenues of innovation and Entrepreneurship**" 30-11-2017, University of Engineering and Technology, Peshawar, Pakistan.
34. IV<sup>th</sup> National Conference of Medical Journals Editors "**Visibility of Pakistani Journals in international arena: A challenge**". Organized by Pakistan Association of medical Editors. 4<sup>th</sup> March 2018, Khyber Medical University, Peshawar, Pakistan.
35. "**PSBA Leadership Summit**" organized by Pakistan Biological Safety Association and Fogarty International Center, NIH, USA, 18-20<sup>th</sup> March, 2019, Marriott Hotel, Islamabad.
36. Symposium on **Complete Blood Counts – Principles, Clinical interpretations and recent advances**. 19<sup>th</sup> September, 2019. Khyber Medical University, Peshawar, Pakistan.

## **XVI. Gene Sequences with accession numbers in GenBank**

1. **KP869047**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
2. **KP869048**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
3. **KP869049**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
4. **KP869049**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
5. **KP869050**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
6. **KP869051**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
7. **KP869052**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
8. **KP869053**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
9. **KP869054**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
10. **KP869055**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
11. **KP869056**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).

12. **KP869057**, Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
13. **KP869058** Gul, A., Zahid, N., Ahmed, J., Zahir, F., Khan, I.A. and Ali, I. Molecular characterization of Hepatitis C virus 3a in Peshawar. BMC Infect. Dis. 16 (1)163 (2016) PUBMED [27090517](#).
14. **KU311137** Measles virus, Irshad, Z., Ahmed, J., Sarwar, M.T. and Ali, R. 2015.
15. **KT619178** Measles virus, Irshad, Z., Ahmed, J., Sarwar, M.T. and Ali, R. 2015
16. **KU359735**, Measles virus, Irshad, Z., Ahmed, J., Sarwar, M. T. and Ali, R. 13-DEC 2015.
17. **KU359736**, Measles virus, Irshad, Z., Ahmed, J., Sarwar, M. T. and Ali, R. 13-DEC-2015
18. **KU843554** Measles virus, Irshad, Z., Ahmed, J., Sarwar, M.T. and Ali, R. 11-FEB-2016
19. NM\_001134382. Homo sapiens IQ motif and ArfGEF 1 (IQSEC1), Ansar M, ..... Ahmed J, .....and Antonarakis SE. **TITLE** Bi-allelic Variants in IQSEC1 cause Intellectual Disability, Developmental Delay, and Short Stature **JOURNAL** Am. J. Hum. Genet. 105 (5), 907-920 (2019) **PUBMED** 31607425.
20. Cytoplasmic dynein 1 intermediate chain 2 isoform 1 [Homo sapiens]. **ACCESSION** NP\_001369 **VERSION** NP\_001369.1 DB **ORGANISM** Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo. **REFERENCE** 1 (residues 1 to 638) **AUTHORS** Ansar M, .....Ahmed J, ..... and Antonarakis SE. **TITLE** Bi-allelic Variants in DYNC112 Cause Syndromic Microcephaly with Intellectual Disability, Cerebral Malformations, and Dysmorphic Facial Features **JOURNAL** Am. J. Hum. Genet. 104 (6), 1073-1087 (2019) **PUBMED** 31079899:
21. KY364192-Pk/KPK-59 **ACCESSION:** KY364192. **SOURCE:** Hepatitis C virus subtype 3a. **ORGANISM:** [Hepatitis C virus subtype 3a](#). **REFERENCE:** 1 (bases 1 to 573) **AUTHORS:** Mumtaz, S., Sarwar, T., Ahmed, J. and Said, A. **TITLE:** Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (19-DEC-2016) Microbiology, Institute of Basic Medical Sciences, Khyber Medical University, Phase 5 Hayatabad, Peshawar, KPK 25000, Pakistan.
22. KY434060-Pk/KPK-60. **ACCESSION:** KY434060. **SOURCE:** Hepatitis C virus subtype 3a **ORGANISM:** [Hepatitis C virus subtype 3a](#). **REFERENCE:** 1 (bases 1 to 573) **AUTHORS:** Mumtaz, S., Sarwar, T., Ahmed, J. and Said, A. **TITLE:** Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (11-DEC-2017) Microbiology, Institute of Basic Medical Sciences, Khyber Medical University, Phase 5 Hayatabad, Peshawar, KPK 25000, Pakistan.
23. MF838728-Pk/KPK-61. **ACCESSION:** MF838728. **SOURCE:** Hepatitis C virus subtype 3a **ORGANISM:** [Hepatitis C virus subtype 3a](#). **REFERENCE:** 1 (bases 1 to 573) **AUTHORS:** Mumtaz, S., Amina Gul, Ahmed, J. Sarwar, T. **TITLE:** Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (11-AUG-2018)

Microbiology, Institute of Basic Medical Sciences, Khyber Medical University, Phase 5 Hayatabad, Peshawar, KPK 25000, Pakistan.

24. MF838729-Pk/KPK-62. ACCESSION: MF838729. SOURCE: Hepatitis C virus subtype 3a ORGANISM: [Hepatitis C virus subtype 3a](#). REFERENCE: 1 (bases 1 to 573) AUTHORS: Mumtaz, S., Amina Gul, Ahmed, J. Sarwar, T. TITLE: Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (11-AUG-2018) Microbiology, Institute of Basic Medical Sciences, Khyber Medical University, Phase 5 Hayatabad, Peshawar, KPK 25000, Pakistan.
25. MF838730-Pk/KPK-63. ACCESSION: MF838730. SOURCE: Hepatitis C virus subtype 3a ORGANISM: [Hepatitis C virus subtype 3a](#). REFERENCE: 1 (bases 1 to 573) AUTHORS: Mumtaz, S., Amina Gul, Ahmed, J. Sarwar, T. TITLE: Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (11-AUG-2018) Microbiology, Institute of Basic Medical Sciences, Khyber Medical University, Phase 5 Hayatabad, Peshawar, KPK 25000, Pakistan.
26. MF838731-Pk/KPK-64. ACCESSION MF838731. SOURCE: Hepatitis C virus subtype 3a ORGANISM: [Hepatitis C virus subtype 3a](#) REFERENCE: 1 (bases 1 to 573) AUTHORS: Mumtaz, S., Amina Gul, Ahmed, J. Sarwar, T. TITLE: Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (11-AUG-2018) Microbiology, Institute of Basic Medical Sciences, Khyber Medical University, Phase 5 Hayatabad, Peshawar, KPK 25000, Pakistan.
27. MF838732-Pk/KPK-65. ACCESSION MF838732. SOURCE Hepatitis C virus subtype 3a ORGANISM: [Hepatitis C virus subtype 3a](#) REFERENCE: 1 (bases 1 to 573) AUTHORS: Mumtaz, S., Amina Gul, Ahmed, J. Sarwar, T. TITLE: Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (11-AUG-2018) Microbiology, Institute of Basic Medical Sciences, Khyber Medical University, Phase 5 Hayatabad, Peshawar, KPK 25000, Pakistan.
28. MG-977454-PK/KPK-68. ACCESSION MG977454. SOURCE Hepatitis C virus subtype 3a ORGANISM: [Hepatitis C virus subtype 3a](#) REFERENCE: 1 (bases 1 to 573) AUTHORS: Mumtaz, S., Amina Gul, Ahmed, J. Sarwar, T, Said, A. TITLE: Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (24-NOV-2018) Microbiology, Institute of Basic Medical Sciences, Khyber Medical University, Phase 5 Hayatabad, Peshawar, KPK 25000, Pakistan.
29. MG-977455- PK/KPK-69. ACCESSION MG977455. SOURCE Hepatitis C virus subtype 3a ORGANISM [Hepatitis C virus subtype 3a](#) REFERENCE: 1 (bases 1 to 573) AUTHORS: Mumtaz, S., Amina Gul, Ahmed, J. Sarwar, T, Said, A. TITLE: Molecular characterization of Hepatitis C virus genotype 3a based on core gene sequence analysis. Direct Submission Submitted (24-NOV-

## **XVII. New courses conceived / designed**

### **1. MPhil level courses**

- a. Core/compulsory courses-**6 courses** (BMS-701 to BMS-705 and BMS-777)
- b. Anatomy (BMS-706 to BMS-715)
- c. Biochemistry (BMS-716 to BMS-724)
- d. Physiology (BMS-725 to BMS-732)
- e. Pharmacology (BMS-733 to BMS-741)
- f. Histopathology (BMS-743 to BMS-780)
- g. Haematology (BMS-750 to BMS-755)
- h. Chemical Pathology (BMS-756 to BMS-761)
- i. Microbiology (BMS-762 to BMS-768)
- j. Forensic Medicine and Toxicology (BMS-769 to BMS-776)

### **2. PhD level courses**

- a. BMS: 801 Advances in Cell & Molecular Biology
- b. BMS: 802 Advances in Medical Genetics
- c. BMS: 803 Advances in Epidemiology and Biostatistics
- d. BMS: 804 Advances in Research Methodology
- e. BMS: 805 Bioethics
- f. BMS: 806 Computational Biology and Medical Bioinformatics

## **XVIII. Invited talks / Speaker for Human Resource Development**

1. Hospital Infection Control: a case study of Khyber Pakhtunkhwa. Federal Urdu University for Arts, Science and Technology, Karachi. 7-8<sup>th</sup> November, 2012.
2. "Dengue: protection and awareness" University of Swat, KP. 12<sup>th</sup> September, 2013.
3. Workshop on "Dengue case management" District Shangla, Khyber Pakhtunkhwa. 4<sup>th</sup> April, 2014.
4. Workshop on "Dengue case management" District Swat, Khyber Pakhtunkhwa. 5<sup>th</sup> April, 2014.
5. Workshop on "Dengue case management" Upper Dir, Khyber Pakhtunkhwa. 11<sup>th</sup> April, 2014
6. Workshop on "Dengue case management" Batkhela, Malakand Division. 9<sup>th</sup> June, 2014.
7. Workshop on "Dengue case management" District Mardan, Khyber Pakhtunkhwa. 10<sup>th</sup> June, 2014.
8. Workshop on "Dengue case management" District Swabi, Khyber Pakhtunkhwa. 11<sup>th</sup> June, 2014.
9. Workshop on "Dengue case management" District Nowshera, KP. 12<sup>th</sup> June, 2014.
10. Workshop on "Dengue case management" District Buner, Khyber Pakhtunkhwa. 19<sup>th</sup> June, 2014.

## **XIX. PhD Thesis evaluated (Examiner)**

1. Ms Samreen Sarwar (PhD-Microbiology) UHS-Lahore
2. Ms Zil-e-Huma (PhD-Microbiology) UHS-Lahore 2024
3. Mr Aamir Jamal Gondal (PhD-Microbiology) UHS-Lahore, 2023
4. Ms Fizza Khalid (PhD-Microbiology) UHS-Lahore 2023
5. Dr Faiqa Arshad (PhD-Microbiology) UHS-Lahore 2022
6. Ms Humera Javed (PhD-Microbiology) UHS-Lahore 2021
7. Ms Salma Ghulam Nabi (PhD-Microbiology) QAU, Islamabad 2019
8. Dr Afshan Zia (MPhil-Microbiology) UHS-Lahore 2019

## **XX. MoUs signed with International organizations**

1. MoU signed with Department of Genetics Medicine and Development, University of Geneva, Switzerland.
2. MoU signed with University of Pittsburgh, USA.
3. MoU signed with Department of Neurology, Oslo University Hospital, Oslo, Norway.
4. MoU signed with Relief International, Islamabad.
5. MoU signed with University of Engineering & Technology, Peshawar.

## **XXI. References (available from referees on request)**

1. **Prof Dr Muhammad Hafizullah.** Ex-Vice Chancellor, Khyber Medical University, Peshawar, Khyber Pakhtunkhwa, Pakistan. Phone: -92-3018588888, hafizullah.muhammad@gmail.com
2. **Prof Dr Abid Sohail Taj.** Ex-Professor, Department of Pathology, Institute of Basic Medical Sciences, Khyber Medical University, Peshawar, Khyber Pakhtunkhwa, Pakistan. Phone: +3009020652, abidtaj11@gmail.com
3. **Prof Dr Ejaz Hassan Khan,** Vice Chancellor, Gandhara University, Peshawar. Ejazh2002@gmail.com 03075611148, 03005861775