



CURRICULUM VITAE

Nageen Hussain

Personal Information

Name: Nageen Hussain
Date of Birth: 30th November, 1980
Nationality: Pakistani
Marital status: Married
Permanent Address: 818-R Model Town, Lahore-Pakistan.
Official Address: Department of Microbiology and Molecular Genetics, Quaid-e-Azam Campus, University of the Punjab, Lahore-Pakistan.
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Academic Record:

Ph.D (2005-2011) Microbiology and Molecular Genetics	University of the Punjab, Lahore-Pakistan	Dissertation Title: "Mutational analysis of <i>CTLA-4</i> Gene and HLA associations in SLE patients from Lahore-Pakistan"
	University of the Punjab, Lahore-Pakistan	CGPA: 3.81 (1 st Div)/3 rd Position

M.Sc (2003-2005) Microbiology and Molecular Genetics
Title: Seroprevalence of Rubella IgG and IgM antibodies in infants suspected of having Rubella infection.

B.Sc (1999-2002) Medical Laboratory Technology	University of the Punjab, Lahore-Pakistan	1704/2300 (1 st Div)/ 3 rd Position
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F.Sc (1996-1998) Pre-Medical	Pakistan Air Force Intermediate College (Federal Board)	773/1100 (1 st Div)
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Matric (1996) Group science	Naya Aligarh public girls high school (Lahore Board)	665/850 (1 st Div)
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Achievements/ Awards:

- 1) Third position in B.Sc (University of the Punjab)
- 2) Third position in M.Sc (University of the Punjab)
- 3) Best poster awards (2 in 2014), (1 in 2016), (1 in 2017) and (1 in 2019).

- 4) Technology Award at the 7th Innovation Summit 2018 organized by ORIC-PU.
- 5) Nomination for PAS Gold award 2014.
- 6) Nomination for Abdus Salam award in basic sciences 2013.
- 7) Incentive awards (2010, 2011, 2013, 2017, 2019).
- 8) Performance evaluation awards (2009, 2010, 2011, 2012, 2013, 2014, 205-2016, 2017).

Experiences:

1 6th Oct, 2013- Present

Assistant professor (Permanent BS-19): Department of Microbiology and Molecular Genetics, University of the Punjab-Lahore.

- Teaching Immunology techniques to PhD, Environmental ethics to M.phil and Immunology, microbial diversity to BS hons and MSc
- Member of Departmental Ethical Committee
- Batch Advisor for all student-related activities
- Working on varied research projects
- Organizing workshops, seminars and coordinating for administrative activities
- Member of the co-curricular activities
- In 2016, 2017, 2018, 2019, 2020 appointed as an external to conduct practicals at Government Science College, Wahdat Road, Lahore.
- In 2016, 2017, 2018, 2019, 2020 appointed as an external for M.Phil thesis evaluation by UHS.
- In 2016, organized 1 week training program for 40 students from Haripur University on Immunogenetics techniques while 3 M.Phil students from Imperial University got training on Nested PCR.
- Appointed as an external to conduct practical viva at Superior University.

2 14th Feb, 2012 to 5th Oct, 2013

Assistant professor (On Adhoc BS-19): Department of Microbiology and Molecular Genetics, University of the Punjab-Lahore.

- Teaching Immunology techniques to PhD, Microbial diversity Microbial metabolism to BS Hons. and MSc.
- Batch Advisor for all student-related activities
- Working on varied research projects
- Organizing and coordinating for administrative activities and events
- Appointed as an external examiner to conduct practical and viva at Garrison University Lahore.

3 5th June, 2009-13 Feb 2012

Lecturer (Permanent- BS-18): Department of Microbiology and Molecular Genetics, University of the Punjab-Lahore.

- Teaching Immunology, Microbial diversity, and Microbial metabolism to BS Hons and M.Sc.

- Batch Advisor for all student-related activities
- Working on varied research projects
- Organizing and coordinating for administrative activities and events

4 19th Sept, 2005- 4th June, 2009

Lecturer (Contract): Department of Microbiology and Molecular Genetics, University of the Punjab-Lahore.

- Teaching to different classes
- Working under the supervision of Chairperson for research projects and administrative tasks.

5 16th May, 2015- 16th Sept, 2015

In 2015, a course “Bioethics, Biosafety, Biosecurity” has been recorded for Virtual University. This subject is now online for MS Biotechnology students.

6. 1st Feb, 2005- 15th Dec, 2007

Visiting faculty member of the School of Allied Health Sciences at the Children Hospital, Institute of Child Health Lahore.

Memberships:

1. Secretary of the Bioethics and biosafety departmental committee.
2. Membership of the International society of Intraoperative Radiation Therapy.
3. Membership of the American Society of Microbiology (49559224).
4. Membership of the Asia Society of Researchers (R219093292).

Special Training courses:

- 1 **Medical transcription course** (Fauji Soft), 13th May-13th September, 2002.
- 2 **Basic Computer course** (IBMCC), 1st July-30th July, 1999.
- 3 8th FIMSA **advanced Immunology course** in Delhi-India, 1st-5th March, 2006.
- 4 In service Training Program at the University of the Punjab for the core-modules: **Communication skills and competent English Language Usage Essentials**, Oct 18th -22nd, 2011.
- 5 Second in service Training Program at University of the Punjab for the core-modules: **Professional ethics, Management and Grooming: Assessment and Evaluation**. Organized by the HEC, 4th - 8th Feb, 2013.
- 6 Third in service Training Program at the University of the Punjab for the core-modules: **Learners’ Psychology and Academic writing skills**. Organized by the HEC, Nov, 2014.
- 7 Fourth in service Training Program at the University of the Punjab for the core-modules: **Patent writing and communication skills**. Organized by the MMG, 2016.
- 8 One week training program was organized in 2016 for 40 students from Haripur University on Immunogenetics techniques.
8. The Key note speaker in the Faculty development program: **Ethical consideration in laboratories** at UCP from 03 -07 September, 2018.
9. **A Short Course on Cancer Biology**, 12-14 Feb, 2019 at Al-Razi Hall-PU organized by the MMG Dept. and Hormone lab.
10. The **Peace Narrative Training** organized by University of the Punjab, Lahore and Center for Health and the

Community Services:

- 1) Poster competition entitled "**An eye on the Environment**" on 13 December, 1993 at Al-Hamra Gallery Lahore.
- 2) Organize the "Symposium "**Awareness on Diabetes**" on 14 November, 2016 at the MMG DEPT.
- 3) Organize a seminar "**Awareness on HIV**" on 30 March 2017 at the MMG department."
- 4) Member of the **academic tour committee**: 31 January 2017.
- 5) Organize a seminar on **International women's health day** on 12th May, 2017 at the MMG Department.
- 6) Participation in the **diagnostic camps regarding Diabetes Mellitus and hypertension** organized by the University health center on 4 April 2017.
- 7) Organize a seminar on **food nutrition** on 13 September, 2017 at the MMG department, PU-LHR.
- 8) Organize a seminar on **International women's health day** on 8th March, 2018 at the MMG Department.
- 9) Participated in a one-day workshop on **The Family and Diabetes** on 14 Nov, 2018.
- 10) Organize a seminar on **HIV** on 10th Dec, 2018.
- 11) Participated in a one-day workshop on **Diabetes Protect your family** on 14 Nov, 2019, MMG Dept, PU-LHR.
- 12) Coordinator of MMG department for the organization of Orientation sessions on the **peace promotion activities** in collaboration with CHANGE.
- 13) Coordinator for helping **external students** in doing PCR for research that is of community benefit.
- 14) Coordinator of study trip in MMG department by Malakand students
- 15) Presented a poster on *DNase I* gene and Type 2 Diabetes mellitus in a symposium "**Emerging issues of Multidrug Resistance: A threat to the globe**" on 2nd October, 2014.

Conferences/Workshops

National

- 1 **Report writing, research methods, epidemiology and biostatistics** in KEMC, 2nd-14th May, 2005.
- 2 **Biochemical engineering and fermenter application** in IBB Dept, University of the Punjab, 19th May, 2006.
- 3 Workshop on **Proteomics** in the University of the Punjab, 24th to 25th October, 2007.
- 4 Workshop on **Research bioethics** in Sheikh Zayed Medical Institute, 26th to 27th November, 2007.
- 5 Workshop on the **Role of Glycoproteins in health and disease** in the School University of the Punjab, 27th to 29th May, 2008.
- 6 Symposium on **Modern biotechnology: A Resource for Sustainable Development** in the University of the Punjab, 4th July, 2009.
- 7 Pre-conference workshop on **Molecular Hematology** in the University of the Punjab, 9th Feb, 2010.
- 8 Seminar on the **technical handling of Fermenters** in the University of the Punjab, 11th Feb, 2010.

- 9 Symposium on **Current Agro Biotechnology and transgenic plants** in the University of the Punjab, 21st June, 2010.
- 10 Workshop on **Immunofluorescent techniques**, MMG Dept, University of the Punjab, 20th Oct, 2011.
- 11 Workshop on **Communication skills** organized by the HEC, Oct 2011.
- 12 Conference on **Bio-physicochemical basis for Technopreneurship**, MMG DEPT, University of the Punjab, 2 to 3 April, 2013.
- 13 Hands-on training workshop on **Basic Biosafety Measures in Research**, 27th Sept, 2013.
- 14 Workshop on **Serological Diagnosis of Dengue Fever: When to do what?** 19th Dec, 2013.
- 15 Workshop on **Biosafety and risk assessment** organized by Biosafety and Bioresource committee on 19th April, 2014.
- 16 One-day symposium on **Emerging issues of Multidrug Resistance: A threat to the globe** on 2nd October, 2014.
- 17 First National conference on the **Integrated role of Forensic Sciences in Criminal Justice System** at Lahore University on 25 September, 2014.
- 18 **First Joint PAP/RCP/AMP conference on Molecular Pathology**, Lahore from 24-26 November, 2014.
- 19 Organizer in the **Technopark** 14th event held on 29-30 November at the MMG Dept, University of the Punjab, 2014.
- 20 **25th Annual International Conference on Family Medicine** at the PC Lahore from 9-11 January, 2015.
- 21 FamilyCon 2015 workshop on **Gynae/Obs** at the PC Lahore on 11 January, 2015.
- 22 Focal person of a workshop **Parasitology and its immunological aspects** at MMG Dept, University of the Punjab from 13-14 February, 2015.
(Newspaper<http://www.molecularbiologynews.org/en/posts/c/54ed4a0e0bc38>)
- 23 **23. PAP pre-conference workshop on Parasitology diagnostics** at the SIMs on 4 November 2015.
- 24 PAP pre-conference workshop on **research design for diagnostic purposes** at the UHS on 5 November, 2015.
- 25 **38th PAP conference** at PC hotel from 6-8 November, 2015.
- 26 Workshop on **Graph pad PRISM** at the MMG department on 24 November, 2015.
- 27 **Microbial diversity: A cross talk at chemistry** hall organized by the MMG Dept. on 17 December, 2015.
- 28 **DNA strategy** symposium at PC Lahore from 18-19 Jan 2016 organized by British High Commission.
- 29 Workshop on **EndNote** on 16 Feb, 2016 at MMG Department PU-LHR.
- 30 Workshop on **research/academic writing** by Dr. Andrea Fleschenberg at FC University on 22 April, 2016.
- 31 Workshop on **DNA fingerprinting** at MMG Dept. from 25-26 May, 2016.
- 32 Two-day workshop on **Patent and academic writing** organized by the University of Peshawar from 30-31 May, 2016.
- 33 Organize the workshop on **Immunofluorescent techniques** on 17 November, 2016 at MMG DEPT.
- 34 Organize the workshop on **Immunofluorescent techniques** on 29 March, 2017 at MMG DEPT.
- 35 Organize a workshop on **Malaria** on 25th April, 2017 at MMG Department.
- 36 Organize one-day symposium **Awareness on Neurodegenerative disorders** on 21 September, 2017 at MMG Department, PU-LHR.

- 37 Workshop on **Recombinant Protein Production and Identification** at SBS-PU from 6-11 Nov, 2017.
 - 38 Organize MMG 2018- **A conference on Microbiology and Molecular Genetics** from 7-9 February, 2018
 - 39 Participated in a one-day workshop on **Right Tools for bacterial identification** on 1st Feb, 2018.
 - 40 Participated in the **Short Course on Cancer Biology**, 12-14 Feb, 2019 at Al-Razi Hall-PU organized by the MMG Dept. and Hormone lab.
 - 41 Participated in the **First National Conference on Public Health** on 8th March, 2019 at the Public Health Department of Social and Cultural studies Institute.
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International

- 1) Participated in the **26th International Congress of Zoology**, 4th to 6th April, 2006.
 - 2) **First international conference of Microbiology and Molecular Genetics, Genomics, Proteomics and Metabolomics, Recent Trends in Biotechnology**, 22nd to 23rd October 2007.
 - 3) **International conference on Impact of global violence on mental health: A challenge for mental health professionals**, 27th to 28th June, 2008.
 - 4) Workshop on **Immunoassays** held on 23rd-26th February, 2011 under the partnership program of British Council , organized by the NHRC and Barts, London UK.
 - 5) Participated in the **5th International conference on environmentally sustainable development** held from August 25^h-27^h, 2013 at COMSATS Institute Abbottabad.
 - 6) Co-chair/member of the organizing team of **10th Biennial International Conference of PSM: Exploring Microbes for future Endeavours**. March 25-28, 2015.
 - 7) Attended International symposium on **metabolic obesity and role of thyroid** in collaboration with Malaysian oobesity bank on 13 August, 2020.
 - 8) Attended International symposium on **Spinal Muscular atrophy Series 2** on 22 August, 2020 in collaboration with Malaysian Branded methods.
 - 9) Attended workshop series in **Medical Education Psychometrics as Reliability and Validity of Assessment** on 26 September, 2020.
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Presentations:

National

- 1) Association of ACE I/D polymorphism with healthy smokers. Third International symposium on Bio medical materials. COMSTECH. Dec 18th to 20th, 2012.
- 2) ELISA based technique for the detection of antibodies of *Rubella Virus* in infants in the first international conference of Microbiology and Molecular Genetics, Genomics, Proteomics and Metabolomics, Recent Trends in Biotechnology, 22nd to 23rd October 2007.
- 3) Association of Ribosomal anti-P antibodies with different Parameters of Lupus in an International conference on Impact of global violence on mental health: A challenge for mental health professionals, 27th to 28th June, 2008.
- 4) Oral Presentation on ACE I/D Polymorphism in SLE patients in the 34th National Conference of Pakistan association of Pathologist held in King Edward Medical University, Lahore from 5th to 7th November, 2010.
- 5) Oral Presentation on Effect of smoking on Renin Angiotensin system in the 5th International conference

on environmentally sustainable Development held from August 25 to 27, 2013 at COMSATS Institute Abbottabad.

- 6) Oral presentation on Mutational analysis of *CTLA-4* gene and HLA associations in SLE patients from Lahore-Pakistan PAP Conference 2013, 22nd to 24th Dec, 2013.
- 7) Presented a poster on *DNAse I* gene and Type 2 Diabetes mellitus in a symposium “Emerging issues of Multidrug Resistance: A threat to the globe” on 2nd October, 2014. (Best Poster Award)
- 8) Presented a poster on Mutational analysis of *DNAse I* gene in Diabetic patients in a First Joint PAP/RCPATH/AMP conference on Molecular Pathology Lahore from 24-26 November, 2014. (Best Poster Award)
- 9) Delivered a Lecture on Malarial parasites in a workshop Parasitology and its immunological aspects from 13-14 February, 2015.

(News published in MEMBS newspaper <http://www.molecularbiologynews.org/en/posts/c/54ed4a0e0bc38>)

- 10) Poster presentation on Mutational analysis of *CTLA-4* and *DNAse I* gene in Pakistani SLE patients in a Familycon 2016 conference held at the PC Hotel LHR from 12-14 Feb, 2016. (Third Best Poster award)
- 11) Delivered lecture in Immunofluorescent technique workshop held on 17 November, 2016 at MMG DEPT.
- 12) Best poster award Association of ACE I/D polymorphism in Pakistani Cardiac patients in a FamilyCon conference, 27-29 January, 2017.
- 13) Poster presentation on Nonsense mutations found in SLE patients in the 3rd International conference on Biotechnology challenges and opportunities in Pakistan on 8-9 Feb, 2017 University of South Asia Lahore.
- 14) Delivered lecture in Immunofluorescent technique workshop held on 29 March, 2017 at the MMG DEPT.
- 15) Poster presentation on “FOXP3 GENE AND HIV” in a Familycon conference held at the PC Hotel LHR from 12-14 Jan, 2018.
- 16) Poster presentation on the Development of Rapid strip assay for the diagnosis of Dengue, Typhoid and Malaria in a 7th Innovation Summit at PU-LHR from 7-8 March, 2018. (Best Poster Technology award)
- 17) Key note speaker in Faculty development program: Ethical consideration in laboratories at UCP from 03 to 07 September, 2018.
- 18) A second best poster award presented in the Short Course on Cancer Biology, 12-14 Feb, 2019 at Al-Razi Hall-PU organized by the MMG Dept. and Hormone lab.
- 19) Oral presentation on Hearing loss in the First National Conference on Public Health 8 March, 2019 at the Public Health Department of Social and Cultural studies Institute.
- 20) Poster presentation on Hearing loss and *GJB2* gene in the FamilyCon Conference from 28-31 March, 2019 at the PC hotel LHR.
- 21) Organize the workshop on Immunofluorescent techniques on 25 April, 2019 at the MMG DEPT.

International

- 1) Presented a poster “Seroprevalence of Rubella IgG and IgM antibodies in infants suspected of having rubella infection” at the 8th FIMSA advanced Immunology course in Delhi-India, 1st-5th March,

2006.

- 2) Presented a poster “Human leukocyte antigen association in SLE patients from Lahore-Pakistan” in the 14th international congress of Immunology held in Kobe-Japan from August 22nd-27th, 2010.
- 3) Oral Presentation on “Mutational analysis of *CTLA4* Gene Exon 1 in Pakistani SLE patients” in an International Conference on Bioinformatics and Biomedical Engineering, Amsterdam, The Netherlands, 13-15 July, 2011.
- 4) Oral Presentation on “Distribution of HLA alleles in SLE patients with ACE I/D polymorphism” in an International Conference on Environmental, Biological, social sciences and Engineering, Lucerne, Switzerland, 15th -16th October, 2012.
- 5) Presented a poster on “*DNase I* gene and Type 2 Diabetes mellitus: A family based study” in a 2014 MEMBS Congress in Dubai from 14th-17th September 2014.
- 6) Presented a poster on “Mutational analysis of *DNase I* gene in SLE patients” in 4 international conference organized by OMICS in Houston-USA from 28-30 September, 2015.
- 7) Presented a poster on “*FOXP3* gene mutation in HIV patients” in XXV Phage/ Virus assembly conference in MD-USA from 20-25 August, 2017.
- 8) Presented a poster on “An association of the *GJB2* gene with hearing loss in a population of Gilgit-Baltistan, Pakistan” in FIMSA conference from 10-13 November, 2018 in Bangkok.
- 9) Virtual presentation in the International symposium on Spinal Muscular atrophy on 26 July, 2020 in collaboration with Malaysian Branded methods

Thesis Supervised

BS. Hons:

- 1) Kanwal Bashir (2002-2008): ‘Seroprevalence of *Hepatitis E virus* IgG and IgM antibodies in Adults- A hospital based study.’
- 2) Musadiq Ali (2003-2009): “Mutational analysis of *DNase I* gene in rheumatoid arthritis patients.”
- 3) Marrukh Sanai (2004-2010): “Levels of inflammatory markers (complement C3, complement C4 and C-reactive protein) in smokers.”
- 4) Zainab Hussain (2007-2011): “Detection of nDNA antibodies in Rheumatoid Arthritis patients by an immunofluorescent technique.”
- 5) Hateem Kiyani (2008-2012): “ACE I/D Polymorphism in healthy smokers from Rawalpindi.”
- 6) Abroo Zaidi (2010-2014): “Relationship of Rheumatoid arthritis with Aging”
- 7) Faiza Asghar (2009-13). “Seroprevalence of dengue IgM antibodies in patients suspected of having dengue fever”.
- 8) Sana Usman (2011-15). Detection of glutamic acid decarboxylase antibodies to differentiate latent autoimmune diabetes in adults from Type 2 diabetes.
- 9) Mohamed Ahmed Kilwe (2012-2016). Levels of Vitamin D in adult females.
- 10) Rubab Mir (2013-2017). Levels of Vitamin D in healthy smokers.
- 11) Hafiza Asma Noreen (2014-2018). “Association of *ACE* gene polymorphism with hearing loss”.
- 12) Noor Aqsa (2015-2019). Mutational analysis of *FOXP3* gene, Exon 2 IN SLE in Lahore-Pakistan.

13) Hifza Islam Qadri 2016-2020) Role of *MCP-1* Gene Polymorphisms in the progression of Rheumatoid Arthritis (RA) patients.

M.Sc:

- 1) Musarat (2006-2008): "Seroprevalence of *Hepatitis B virus* IgG and IgM antibodies in healthy blood donors."
- 2) Sana Riaz (2008-2010): "ACE I/D Polymorphism in healthy smokers from Lahore."
- 3) Kanwal Ishfaq (2011-13). "Seroprevalence of dengue IgG antibodies in patients suspected of having dengue fever".
- 4) Kubra Dastgir (2012-2014). "DNase I gene and Diabetes I mellitus: A family based study."
- 5) Fatima Akram (2013-2015). "Anti-bacterial effect of different spices on bacteria."
- 6) Kainat Jehangir (2014-2016). "ACE Gene polymorphisms in Cardiac patients."
- 7) Amna sajjid (2015-2017). "Association of ACE I/D Polymorphisms with rheumatoid Arthritis."
- 8) Sonia Falak Sher (2016-2018). "Incidence rate of *Plasmodium falciparum* and *Plasmodium vivax* in Kasur-Pakistan."
- 9) Zainab (2017-2019). "Mutational analysis of *GJB2* gene in the Diabetic patients."

M.phil:

- 1) Mehwish (2010-2012): "Association of ACE I/D Polymorphism with type 2 Diabetes mellitus."
- 2) Hateem (2012-2014): "Mutational analysis of *DNase I* gene in Diabetic patients."
- 3) Abdul Manan (2013-2015). "Mutational analysis of *DNase I* gene in SLE patients."
- 4) Muhammad Mansoor (2014-2016). "Effect of gluten on pristane induced lupus mice."
- 5) Aqsa Javaid (2015-2017). "Mutational analysis of *FOXP3* gene in Pakistan HIV patients."
- 6) Ejaz Ali (2016-2018). "Mutational analysis of the *GJB2* gene in hearing impaired population of Gilgit-Baltistan, Pakistan".
- 7) Naila Mahmood (2017-2019). "Association of *FOXP3* gene with breast cancer: A study from Pakistan."
- 8) Syeda Aneela (2017-2019). "Alliance if IL-22 gene polymorphism with SLE in Lahore-Pakistan."
- 9) Farman Ullah (2017-2019). "Molecular based diagnosis of *Toxoplasma gondii* in *Galliforms* by using PK1 gene."
- 10) Sonia Falak Sher 2018-2020). "Association of *VEGF* gene polymorphism (rs699947) with Glaucoma."
- 11) Mohsin mumtaz 2018-2020). "Role of *VEGF* Gene Polymorphism in Association with Rheumatoid Arthritis (RA)."

PhD:

1. Tabbasum Biogeographical characterization of acne vulgaris in Pakistan and pharmacological evaluation of novel drug formulation in an acne mouse model (On-going)
2. Sidra Riaz (On-going)

National Research Projects:

➤ **University of the Punjab**

- 1) "HLA-A, -B associations in SLE patients." (2006-2007)
- 2) "HLA-DRB1 association in SLE patients." (2007-2008)

- 3) "Levels of IL-15 in SLE patients." (2008-2009)
- 4) "nDNA Immunofluorescent assay in SLE patients." (2009-2010)
- 5) "Association of anti-telomeric DNA with SLE." (2010-2011)
- 6) "Seroprevalence of Dengue IgG and IgM antibodies in patients suspected of having Dengue fever" (2011-2012)
- 7) "Mutational analysis of DNase I gene in Diabetic patients: A family based study". (2012-2013)
- 8) "Mutational analysis of DNase I gene in SLE patients" (2014-2015)
- 9) "Effect of Gluten on pristane induced lupus prone mice" (2015-2016)
- 10) "Mutational analysis of *GJB2* gene In Hearing loss patients from Gilgit-Pakistan." (2017-2018)
- 11) "Serological and molecular diagnosis of *PK1* gene of *Toxoplasmosis gondii* in Galliforms." (2019-2020)

➤ **Project by the Institute of Public Health,-Government of the Punjab**

Mutational analysis of *FoxP3* gene in Pakistani HIV patients. (December, 2016)

➤ **Indigenous research collaboration: HEC ASIP AWARD to Ejaz Ali working under the supervision of Dr. Nageen Hussain 2017-2018.**

Publications:

National

- 1) **Nageen Hussain**, Ghazala Jaffery, Shahida Hasnain. Seroprevalence of Rubella IgG and IgM antibodies in infants suspected of having rubella infection. *BIOMEDICA*. 2006. 22:26-30.
- 2) **Nageen Hussain**. Congenital Rubella Syndrome. *The Professional Medical Journal*. 2006. 13(1):11-16.
- 3) **Nageen Hussain**. Lupus. *The Professional Medical Journal*. 2008. 15(1): 175-184.
- 4) **Nageen Hussain**, Ghazala Jaffery, Anjum Sabri, Shahida Hasnain. Pulmonary tuberculosis in a patient with SLE. *Annals of KEMU*. 2008.14(2):79-80.
- 5) **Nageen Hussain**. Clinical and Laboratory manifestations of SLE in Pakistani Lupus patients. *Pakistan Journal of Zoology*.2013. 45(3):169-175.
- 6) Muhammad Mansoor, Zaigham Abbas, **Nageen Hussain**. Effect of gluten containing diet on pristane induced lupus prone mice" *Pakistan Journal of Zoology*. 2017. 49(4):1285-1292.
- 7) Aqsa Javaid and **Nageen Hussain**. Mutational analysis of Forkhead box P3 gene in Pakistani Human Immunodeficient virus patients. *Pakistan Journal of Zoology*. 2019. 51(5): 1987-1990.
- 8) Amna Sajjid and **Nageen Hussain**. Insertion/deletion polymorphism of ACE gene and anti-nuclear antibodies association study as diagnostic markers in the Rheumatoid arthritis patients of Pakistan. *RAADS Journal of Pharmacy and pharmaceutical sciences*. 2019. 7(3):119-126.
- 9) Zainab Sharif and **Nageen Hussain**. Mutational analysis of *GJB2* gene in the diabetic patients. *International journal of biology and biotechnology*. 2020. 17 (2): 293-299.
- 10) Farman Ullah Khan and **Nageen Hussain**. A rare and severe threat to pediatric patients: Staphylococcal Scalded Skin Syndrome (SSSS). *International journal of biology and biotechnology*. 2020. 17 (3): 293-299.
- 11) Ejaz Ali and **Nageen Hussain**. Contribution of *GJB2* gene mutations to hearing loss in Pakistani population –A review. *Advancements in life sciences*. 2020. 5:1048.
- 12) Ejaz Ali and **Nageen Hussain**. Analysis of *GJB2* gene and its mutated protein in Non-syndromic hearing loss

International

- 1) **Nageen Hussain**, Ghazala Jaffery, Anjum Sabri, Shahida Hasnain. Budd-Chiari syndrome in a 15-year old girl with systemic lupus erythematosus. *International Journal of Health Research*. 2008. 1(2): 45-49.
- 2) **Nageen Hussain**, Ghazala Jaffery, Shahida Hasnain. C3 and C4 Serum Concentrations in Relation to the Diagnosis of Lupus Nephritis. *Tropical journal of Pharmaceutical Research*. 2008.7(4): 1117-1121.
- 3) **Nageen Hussain**, Ghazala Jaffery, Shahida Hasnain. Association of Ribosomal anti-P antibodies with different Parameters of Lupus. *African Journal of Biotechnology*. 2008. 7(24):4437-4440.
- 4) Kanwal Bashir, **Nageen Hussain**, Shahida Hasnain, Shan Elahi. Seroprevalence of Hepatitis E Virus Immunoglobulins G and M Antibodies in Adults - A Hospital Based Study in Pakistan. *Indian Journal of Medical Microbiology*. 2009. 27(2):134.
- 5) **Nageen Hussain**, Ghazala Jaffery, Anjum Sabri, Shahida Hasnain. ACE Gene I/D polymorphism in Pakistani SLE patients. *African Journal of Biotechnology*. 2010. 9(48):8134-8138.
- 6) **Nageen Hussain**, Ghazala Jaffery, Anjum Sabri, Shahida Hasnain. HLA Association in Pakistani SLE patients. *Bosnian Journal of Basic Medical Sciences*. 2011. 11(1):21-25.
- 7) **Nageen Hussain**, Ghazala Jaffery, Anjum Sabri, Shahida Hasnain. Mutational analysis of CTLA-4 Gene in Pakistani SLE Patients. *Journal of World Academy of Science Engineering and Technology*. 2011. 7(78): 316-318.
- 8) Marrukh Sanai, **Nageen Hussain**. Levels of inflammatory markers (Complement C3, C4 and CRP) in smokers. *African Journal of Biotechnology*. 2011. 10(82):19211-19217.
- 9) **Nageen Hussain** and Ghazala Jaffery. Association of anti-MCV autoantibodies with SLE overlapping with various syndromes. *International journal of Medicine and Medical Sciences*. 2011. 3(6):210-214.
- 10) **Nageen Hussain**, Ghazala Jaffery. Distribution of HLA alleles in SLE patients with ACE I/D polymorphism. *Bosnian Journal of Basic Medical Sciences*. 2013. 13 (1):58-62.
- 11) **Nageen Hussain**. Levels of IL-15 in SLE patients. *International journal of Medicine and Medical Sciences*. 2013. 46 (2):1159-1162.
- 12) **Nageen Hussain** and Hateem Zafar Kayani. Mutational analysis of DNASE I gene in diabetic patients. *Journal of advances in biotechnology*. 2014. 3(3):243-247.
- 13) Mehvish and **Nageen Hussain**. Association of ACE I/D polymorphism with diabetes. *Journal of advances in biotechnology*. 2014.3(3):248-255.
- 14) **Nageen Hussain**. Association of ACE I/D Gene Polymorphism and hypertension in Smokers. *Journal of advances in biotechnology*. 2014. 4(1):336-340.
- 15) Zainab Hussain and **Nageen Hussain**. "Detection of nDNA antibodies in Rheumatoid Arthritis patients by an immunofluorescent technique." *African Journal of Biotechnology*. 2014. 13(38):3943-3949.
- 16) Abdul Manan and **Nageen Hussain**. Mutational analysis of DNase I gene in Pakistani SLE patients. *Journal of Clinical and cellular Immunology*. 2016. 7(3):100-149.
- 17) Faiza Asghar, **Nageen Hussain**, Fayqa Komal, and Qandeel Fatima. Sero-prevalence of Dengue IgM antibodies in patients suspected of having dengue fever. *Annual research and review in Biology*. 2016.

1:7.

- 18) **Nageen Hussain** and Kainat Jehangir. Association of ACE I/D polymorphism with Cardiac patients. *Jokull Journal*. 2018. 68(2):25-30.
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- 25) Farman Ullah and **Nageen Hussain**. Serological and molecular diagnosis of *Toxoplasma gondii* in Galliformes by using ToxPK1 gene. *Journal of scientific research in medical and biological sciences*. 2020.1(2):116-120.

Curriculum Development

Successfully prepared syllabus of a course "General Microbiology" for Associate degree in Science.

Field of Interest:

- Immunology
 - Molecular Biology
 - Microbiology
 - Genetics
 - Environmental ethics
 - Bioethics, Biosafety and Biosecurity
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Linguistic Ability

- Have a good command on English and Urdu.