

CURRICULUM VITAE

Dr. Shama Parveen, MSc, PhD, MNASc.

Associate Professor (Biological Sciences)

Awarded Sayeda Begum Women Scientist Prize 2018

Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi-110025, INDIA

Phone: +91-011-26981717, ext. 74102

Mobile: +91-9818286423

Email: sparveen2@jmi.ac.in, shamp25@yahoo.com

Google scholar ID: Shama Parveen

URL: http://jmi.ac.in/cirbs/faculty-members/Dr_Shama_Parveen-1640

EMPLOYMENT PROFILE:

- **Associate Professor (12th January 2019 till date)**
Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi, India
- **Assistant Professor (January 2007 to 11th January 2019)**
Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi, India
- **Research Scientist II (Oct 2006 to Jan 2007)**
Virology Laboratory, Department of Microbiology, All India Institute of Medical Sciences, New Delhi, India
- **Ph. D Scholar (Jul 2000 to Oct 2006)**
Virology Laboratory, Department of Microbiology, All India Institute of Medical Sciences, New Delhi, India
- **Trainee (Jul 2003 to Oct 2003)**
Department of Pediatrics, University of Alabama, Birmingham, USA
- **Ph. D Scholar (April 1999 to Oct 2000)**
Plant Molecular Biology Laboratory, Jamia Millia Islamia, New Delhi, India
- **Project Assistant (Oct 1998 to April 1999)**
Eukaryotic Gene Expression Laboratory, National Institute of Immunology, New Delhi, India
- **Trainee (May 1997 to Jun 1997) and (Sept 1997 Dec 1997)**
Eukaryotic Gene Expression Laboratory, National Institute of Immunology, New Delhi, India

ACADEMIC FOREIGN VISIT: USA (Jul 2003 to Oct 2003)

- **Training at Department of Pediatrics, University of Alabama, Birmingham, USA**

EDUCATIONAL BACKGROUND:

- **Ph. D. Microbiology (Virology) (2007)**
Department of Microbiology, All India Institute of Medical Sciences, New Delhi, India. Ph. D thesis title: “*Variability in G protein gene of respiratory syncytial virus (RSV) strains isolated from a rural community near Delhi*”.

- **Master of Sciences (M. Sc) in Biosciences (1998)** Department of Biosciences, Jamia Millia Islamia, New Delhi, India
- **Bachelor of Sciences (B. Sc) in Biosciences (1996).** Department of Biosciences, Jamia Millia Islamia, New Delhi, India

AWARDS / FELLOWSHIPS / ASSOCIATES ETC.

- **Recipient of the Sayeeda Begum Women Scientist Prize 2018**
- **Member: National Academy of Sciences India (NASI), Allahabad (Since 2017)**
- **Overseas Fellow of Royal Society of Medicine, London, United Kingdom (Since February 2018)**
- **Bharat Ratna Rajiv Gandhi Gold Medal Award 2019**
- **Young Scientist (2008-2011)**
Department of Science & Technology (DST), New Delhi, India
- **Research Scientist II (2006)**
Indian Council of Medical Research/World Health Organization
- **CSIR-JRF NET (1999)**
Council of Scientific and Industrial Research, New Delhi, India
- **Graduate Aptitude Test for Engineering (1998)**
Indian Institute of Technology, New Delhi, India
- **M.Sc Biosciences: 1st position with distinction (1998)**
- **B.Sc Biosciences: 1st position with distinction (1996)**

MEMBER ADMINISTRATIVE/ACADEMIC COMMITTEES:

- Life Member of **Indian Virological Society (IVS)**
- Life member of **World Society for Virology (WSV)**
- Life member of **Organization for Women in Science for the Developing World (OSWD)**
- Life member of **Indian Biophysical Society (IBS)**
- **Assistant Proctor, JMI (May 2019 till date)**
- **PhD Coordinator, CIRBSc (2008 till date)**
- **Member Secretary, Institutional Ethics Committee, Jamia Millia Islamia (Jan 2012 till Dec 2014)**
- **Member, Institutional Ethics Committee, Jamia Millia Islamia, New Delhi (June 2015 till date)**
- **Member Institutional Biosafety Committee, Jamia Millia Islamia, (October 2019 till date)**
- **Member, Data Safety Monitoring Board (DSMB) for Phase I/II Trial of Dengue Vaccine by Panacea Biotech (Since 9th August 2018)**

RESEARCH INTEREST:

Specialization: Molecular biology of human viruses

Areas of research

- **Evolution of Dengue and Chikungunya viruses:** Dengue and Chikungunya viruses are acute viral infections that are endemic in tropical and subtropical countries. We are detecting these viral infections in the clinical samples by RT-PCR in our laboratory. Further, we are studying the evolution of these viruses by phylogenetic and Bayesian analysis. Surveillance and monitoring of Dengue and

Chikungunya viruses are important for the design of strategies to control the impending epidemics.

- **Evolutionary analysis of respiratory viruses:** Respiratory viruses (respiratory syncytial virus (RSV), influenza viruses (FLU), human metapneumovirus (hMPV), parainfluenza viruses (PIV) are major pathogens of acute respiratory tract infection (ARI) especially in children. We are detecting these viruses in clinical samples using real time PCR. Subsequently, these viruses are being characterized by phylogenetic analysis and their evolution is being studied by using Bayesian methods. Characterization of these viruses will help to reduce disease burden due to these viruses and will also assist in vaccine development efforts of these viruses.
- **Structural characterization of envelope proteins of human viruses:** The membrane proteins of human viruses (respiratory syncytial virus, chikungunya virus) are involved in attachment and fusion of virion with the host cell. These are the neutralizing antigens and therefore the vaccine candidates. We are working on cloning, expression, purification and structural characterization of membrane proteins of these viruses that might contribute towards vaccine development.

RESEARCH GUIDANCE:

PhD thesis:

PhD Thesis supervised: 6

PhD students guided as Co-Supervisor: 2

PhD students enrolled as Supervisor: 4

MPhil thesis: 6

Post docs: 2

M.Sc dissertations: 30

Guest Editor: Plos Neglected Tropical Diseases

Faculty Member (Infectious Diseases): F1000 Research

REVIEWERS OF JOURNALS:

Nature Scientific Reports

Plos One

Plos Neglected Tropical Diseases

Journal of Medical Virology

BMC Infectious Diseases

Archives of Virology

Future Virology

Journal of Infection in Developing Countries

Experimental and Therapeutic Medicine

Virus Disease

RESEARCH PROJECTS:

Ongoing Research Projects:

- **Title:** Interactions of respiratory syncytial virus (RSV) envelope protein with glycosaminoglycans (GAGs) with possible implications for drug design and vaccine development **(2017-19)**.
Funding agency: Council of Scientific and Industrial Research, New Delhi, India (INR=34,00,000/-)
- **Title:** *In vitro* Evaluation of Antiviral Activity of Unani drugs and their Green Nanoparticles against Dengue virus” **(2020-23)**.
Funding agency: Central Council for Research in Unani Medicine (CCRUM), Ministry of AYUSH (INR= 24,80,400/-).

Completed Research Projects:

- **Title:** Cloning and expression of G protein gene of group B Respiratory Syncytial Viruses in bacterial and mammalian systems and their antigenic as well as biophysical characterization **(2008-2011)**.
Funding agency and amount: Department of Biotechnology (DBT), New Delhi, India (INR=58,00,003/-).
- **Title:** Cloning and expression of G protein of Respiratory Syncytial Virus (RSV) in mammalian system and characterization of G protein **(2008-2011)**.
Funding agency and amount: Department of Science and Technology (DST), New Delhi, India (INR=10,44,000/-).
- **Title:** Molecular epidemiology of Dengue and Chikungunya Viruses in Delhi. **(2012-14)**. **Funding agency and amount:** University Grants Commission (UGC), New Delhi, India (INR=10,15,000/-).
- **Title:** Cloning and expression of envelope protein genes of Chikungunya Virus in bacterial system and their biophysical characterization. **(2012-14)**.
Funding agency and amount: Council of Scientific and Industrial Research (CSIR), New Delhi, India (INR=23,42,400/-).

PUBLICATIONS:

Published 49 research papers in peer reviewed reputed Journals such as PloS One, PLOS Neglected Tropical Diseases, J Clinical Microbiology, J Medical Virology, J Clinical Virology, FEMS J, Infection Genetics and evolution etc. Some of the papers have numerous citations.

The data generated during doctoral thesis recieved global recognition when this data along with data from various countries was published in reputed journals like Lancet and Nature. These global analysis papers were very well recieved and are heavily cited.

Total publications: 52

Research articles: 41

Reviews: 10

Book chapter: 1

Total citations: 2043

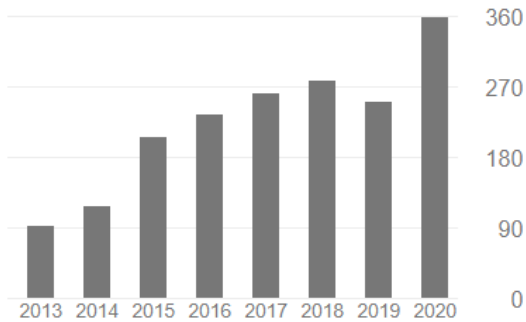
h index: 21

i10 index: 25

i100 index: 6

GenBank Submissions : 400

Cited by	VIEW ALL	
	All	Since 2015
Citations	2043	1593
h-index	21	18
i10-index	25	24



Citations from Google Scholar

40 Papers published as the corresponding author ()*

Upcoming Book

“**The COVID-19 Pandemic: Epidemiology, Molecular Biology and Therapy**” Edited by Dr. Shama Parveen that is being published by “Bentham Science with eISBN 97898114818571”. It has 250 pages with 11 chapters.

1. Tazeen A, Deeba F, Alam A, Ali R, Ishrat R, Ahmed A , Ali S, **Parveen S*** Virtual Screening of Potential Therapeutic Inhibitors against Spike, Helicase, and Polymerase of SARS-CoV-2 (COVID-19). **Coronaviruses (2020)**. (DOI: [10.2174/2666796701999200826114306](https://doi.org/10.2174/2666796701999200826114306)).
2. Islam A, Abdullah M, Tazeen A, Naqvi IH, Kazim SN, Ahmed A, Alamery SF, Malik A, **Parveen S***. Circulation of dengue virus serotypes in hyperendemic region of New Delhi, India during 2011–2017. **J Infect Public Health**. 13 (12): 1912-1919 (2020).
3. Shafat Z, Hamza A, Deeba F, Faizan MI, Khan N, Islam A, Ahmed A, Alamery SF, **Parveen S***. Optimization of parameters for expression and purification of G glycoprotein ectodomain of respiratory syncytial virus. **Future Virology**, 15 (4) 225-235 (2020).
4. Islam A, Ahmed A, Naqvi IH, **Parveen S***. Emergence of deadly severe acute respiratory syndrome coronavirus-2 during 2019–2020. **Virus Disease** 31(2):128–136 (2020).

5. Rai A, Ahmad T, Parveen S, **Parveen S**, Faizan MI, Ali S. Expression of transforming growth factor beta in oral submucous fibrosis. **J Oral Biol Cranofacial Res.** **10:2 166-170 (2020).**
6. Deeba F, Haider MSH, Ahmed A, Tazeen A, Faizan MI, Salam N, Hussain T, Almery SF, **Parveen S***. Global transmission and evolutionary dynamics of the Chikungunya virus. **Epidemiology and Infection** **148, E63 (2020).**
7. Al-Hassinah S, **Parveen S**, Somily AM, AlSaadi MM, Alamery SF, Haq SH, Anwar Ahmed A. Evolutionary analysis of the ON1 genotype of subtype a respiratory syncytial virus in Riyadh during 2008–16. **Infection, Genetics and Evolution** **79, 104153 (2020).**
8. Rai A, Siddiqui M, Parveen S, **Parveen S**, Rasheed A, Ali S. Molecular Pathogenesis of Oral Submucous Fibrosis: A Critical Appraisal. **Biomedical and Pharmacology Journal** **12 (04), 2027-2036 (2019).**
9. Kumar N, Faizan MI, **Parveen S**, Dohare R. Temperature and rainfall dependent mathematical modeling for progression of Zika virus infection. **International J Mathematical Modelling and Numerical Optimization** **9 (4): 339-365 (2019).**
10. N, Islam A, Tazeen A, Hisamuddin M, Abdullah M, Naqvi IH, Faizan MI, Gulyani D, Ahmed A, **Parveen S***. Circulation of single serotype of Dengue Virus (DENV-3) in New Delhi, India during 2016: A change in the epidemiological trend. **Parveen J Infect Public Health** **12 (1), 49-56 (2019)**
11. Faizan MI, Naqvi AT, Hasan MI, Abdullah M, Tazeen A, Shafat Z, Hisamuddin M, Alam A, Ali S, Ali S, Farooqui A, Hamza A, Parveen N, Ahmed A, **Parveen S***. Structure based identification of potential inhibitors of NS3 protein of Zika virus. **Letters in Drug Design & Discovery** **16 (7), 761-774 (2019).**
12. Ahmed A, **Parveen S**, Al-Haseenah SM, Salman F. Al-Amery SM. An overview of respiratory syncytial virus infections in Saudi Arabia. **J Infect Dev Ctries** **12 (11), 929-936 (2018).**
13. Hisamuddin M, Tazeen A, Abdullah M, Islamuddin M, Parveen N, Islam A, Faizan MI, Hamza A, Naqvi IH, Verma HN, Malik A, Ahmed A, **Parveen S***. Co-circulation of Chikungunya and Dengue viruses in Dengue endemic region of New Delhi, India during 2016. **Epidemiol Infect.** **146 (13), 1642-1653 (2018).**
14. Salam N, Mustafa S, Hafiz A, Chaudhary AA, Deeba F, **Parveen S**. Global prevalence and distribution of coinfection of malaria, dengue and chikungunya: a systematic review. **BMC Public Health.** **18 (1), 710 (2018).**
15. Haider MSH, Khan WH, Deeba F, Ali S, Ahmed A, Naqvi IH, Dohare R, Alsenaidy HA, Alsenaidy AM, Broor S, **Parveen S***. BA9 Lineage of Respiratory

- Syncytial Virus from across the Globe and its Evolutionary Dynamics. **Plos One** **13(4):e0193525 (2018).**
16. Haider MSH, Deeba F, Khan WH, Naqvi IH, Ali S, Dohare R, Ahmed A, Broor S, Alsenaidy HA, Alsenaidy AM, **Parveen S***. Global distribution of NA1 genotype of respiratory syncytial virus and its evolutionary dynamics assessed from the past 11 years. **Infection Genetics and Evolution** **60, 140-150 (2018).**
 17. Aftab S, Tazeen A, Ali S, Broor S, Hamza A, Ahmed A, **Parveen S***. Human Metapneumovirus (hMPV) protein their Therapeutics and Vaccine Potentials. **Indian Journal of Health Sciences and Care** **4(3):126-40 (2017).**
 18. Shafat Z, Faizan MI, Tazeen A, Farooqui A, Deeba F, Aftab S , Hamza A, Parveen S, Islam A , Broor S , **Parveen S***. *In silico* analysis of ectodomain G protein of Respiratory Syncytial Virus. **Indian Journal of Health Sciences and Care. Dec;4(3):110-6 (2017).**
 19. Abdullah M, Tazeen A, Malik H, IH Naqvi, Verma HN, Ahmed A, **Parveen S***. A clinical report on mixed infection: Malaria, Dengue and Chikungunya fever from New Delhi, India. **Virus Disease** **28 (4): 422-424 (2017).**
 20. Tazeen A, Abdullah M, Malik H, Ali S, IH Naqvi, Verma HN, Ahmed A, **Parveen S***. Concurrent infection with Plasmodium vivax, Dengue and Chikungunya viruses in a pediatric patient from New Delhi, India during 2016. **Intervirolgy** **60(1-2):48-52 (2017).**
 21. Parvez MK, **Parveen S**. Evolution and Emergence of Pathogenic Viruses: Past, Present and Future. **Intervirolgy** **60(1-2):1-7 (2017).**
 22. Siddiqui ZI, Farooqui SR, Azam SA, Afroz M, Wajid S, **Parveen S**, Kazim SN. A comparative study of hepatitis B virus X protein mutants K130M, V131I and KV130/131MI to investigate their roles in fibrosis, cirrhosis and hepatocellular carcinoma. **J Viral Hepat.** **24(12):1121-1131 (2017).**
 23. Kumar N, Abdullah M, Faizan MI, Dohare R, Ahmed A, **Parveen S***. Progression dynamics of Zika fever outbreak in El Salvador during 2015-16: A mathematical modeling approach. **Future Virology** **12 (5) (2017).**
 24. Ahmed A, Arshad M, Malik A, **Parveen S**, Alsenaidy AM. Cloning and expression of *Camelus dromedarius* glucose transporter 4 in *E. coli*, its purification and characterization. **Archives of Physiology and Biochemistry** **123(4):254-264 (2017).**
 25. Deeba F, Malik ZM, Haider MSH, Shafat Z, Sinha P, Ishrat R, Ahmad A, **Parveen S***. Potential entry inhibitors of the envelope protein (E2) of Chikungunya virus: *in silico* structural modeling, docking and molecular dynamic studies. **Virus Disease** **28 (1): 39-49 (2017).**

26. Faizan MI, Abdullah M, Ali S, Naqvi IH, Ahmed A, **Parveen S***. Zika virus induced microcephaly and its possible molecular mechanism. **Intervirology** **59** (3) 152-158 (2017).
27. Ahmed A, Haider SH, **Parveen S**, Arshad M, Alsenaidy HM, Baaboud AO, Mobaireek KF, AlSaadi MM, Alsenaidy AM, Sullender WM. Co-circulation of 72bp Duplication Group A and 60bp Duplication Group B Respiratory Syncytial Virus (RSV) strains in Riyadh, Saudi Arabia during 2014. **Plos One Nov** **11;11(11):e0166145** (2016).
28. Abdullah M, Ali S, Tazeen A, Naqvi IH, Verma HN, Ahmed A, Kazim SN, **Parveen S***. Zika viral infection and its future prospects. **Indian Journal of Health Sciences and Care** **3** (2) (2016).
29. Parveen N, Abdullah M, Malik H, Asif N, Rana S, Naqvi IH, Broor S, **Parveen S***. Resurgence of Dengue and Chikungunya-like illness in New Delhi, India during 2016 . **Indian Journal of Health Sciences and Care** **3** (2) 61-65 (2016).
30. Tazeen A, Afreen N, Abdullah M, Deeba F, Haider SH, Kazim SN, Ali S, Naqvi IH, Broor S, Ahmed A, **Parveen S***. Occurrence of co-infection with Dengue viruses during 2014 in New Delhi, India. **Epidemiology and Infection Jan;145(1):67-77** (2017).
31. Islam A, Abdullah M, Tazeen A, Afreen N, Deeba F, Naqvi IH, Kazim SN, Broor S, Ahmed A, **Parveen S***. Detection of all the four Serotypes of Dengue virus in New Delhi, India during post monsoon season of 2015. **Indian Journal of Health Sciences and Care** **3** (1) 24-29 (2016).
32. Afreen N, Naqvi IH, Broor S, Ahmed A, Kazim SN, Dohare R, Kumar M, **Parveen S***. Evolutionary analysis of dengue serotype 2 viruses using phylogenetic and bayesian methods from New Delhi, India. **PloS Neglected Trop Dis.** **10(3): e0004511** (2016).
33. Deeba F, Islam A, Kazim SN, Naqvi IH, Broor S, Ahmed A, **Parveen S***. Chikungunya Virus: Recent Advances in Epidemiology, Host Pathogen Interaction & Vaccine Strategies. **FEMS: Pathogens and Disease** **74: 3** (2016).
34. Afreen N, Naqvi IH, Broor S, Ahmed A, **Parveen S***. Phylogenetic and Molecular Clock Analysis of Dengue Serotype 1 and 3 from New Delhi, India. **PloS One Nov** **4: 10** (11) (2015).
35. VLN Raghuram S, Khan WH, Deeba F, Sullender W, Broor S, and **Parveen S***. Retrospective Phylogenetic Analysis of Circulating BA Genotype of Human Respiratory Syncytial Virus with 60bp Duplication from New Delhi, India during 2007-2010. **Virus Disease Dec; 26** (2): 276-281 (2015).
36. Khan WH, Raghuram VLN, Islam A, Ilyas B, Haider SH, Ahmad F, Broor S, **Parveen S***. Biophysical characterization of G protein ectodomain of group B

- human respiratory syncytial virus from E. coli. **Prep. Biochem. & Biotech. October 7 (2015).**
37. Seale AC, Blencowe H, Manu AA, Nair H, Bahl R, Qazi SA, Zaidi AK, Berkley JA, Cousens SN, Lawn JE, **Parveen S** for the pSBI Investigator Group. Estimates of possible severe bacterial infection in neonates in sub-Saharan Africa, south Asia, and Latin America for 2012: a systematic review and meta-analysis. **Lancet Infect. Dis. 14: 731–41 (2014).**
 38. Afreen N, Deeba F, Khan WH, Haider SH, Kazim SN, Ishrat R, Naqvi IH, Shareef MY, Broor S, Ahmed A, **Parveen S***. Molecular characterization of Dengue and Chikungunya virus strains circulating in New Delhi, India. **Microbiol. and Immunol. Dec; 58 (12): 688-96 (2014).**
 39. Afreen N, Deeba F, Naqvi IH, Shareef MY, Ahmed A, Broor S, **Parveen S***. Molecular investigation of 2013 Dengue fever outbreak from Delhi, India. **PLOS Currents Outbreaks. Sep 2. Edition 1 (2014).**
 40. Khan WH, Shrugaram RVLN, Broor S **Parveen S***. Glycosylation studies of G protein of group B human respiratory syncytial virus (hRSV) in eukaryotic system. **Int. J. Curr. Microbiol. App. Sci. 3 (10) 107-113 (2014).**
 41. Alam R, Tripathi M, Mansoori N, **Parveen S**, Luthra K, Lakshmy R, Sharma S, Arulselvi S, Mukhopadhyay AK. Synergistic epistasis of Paraoxonase 1 (rs662 and rs85460) and Apolipoprotein (Apo) E ϵ 4 genes in pathogenesis of Alzheimer's disease and vascular dementia. **American J. of Alzheimer's Dis. & other Dementias Dec; 29 (8): 769-76. (2014).**
 42. Nair H, Simões EA, Rudan I, Gessner BD, Azziz-Baumgartner E, Zhang JS, Feikin DR, Mackenzie GA, Moïsi JC, Roca A, Baggett HC, Zaman SM, Singleton RJ, Lucero MG, Chandran A, Gentile A, Cohen C, Krishnan A, Bhutta ZA, Arguedas A, Clara AW, Andrade AL, Ope M, Ruvinsky RO, Hortal M, McCracken JP, Madhi SA, Bruce N, Qazi SA, Morris SS, El Arifeen S, Weber MW, Scott JA, Brooks WA, Breiman RF, Campbell H; **Parveen S** for the Severe Acute Lower Respiratory Infections Working Group. Global and regional burden of hospital admissions for severe acute lower respiratory infections in young children in 2010: a systematic analysis. **Lancet Apr 20; 381 (9875): 1380-90 (2013).**
 43. Seale AC, Blencowe H, Zaidi A, Ganatra H, Syed S, Engmann C, Newton CR, Vergnano S, Stoll BJ, Cousens SN, Lawn JE, **Parveen S** on behalf of the neonatal infections estimation team. Neonatal severe bacterial infection impairment estimates in South Asia, sub-Saharan Africa, and Latin America for 2010. **Nature Pediatric Research Dec; 74 (s1):73-85 (2013).**
 44. Sikriwal D, Seth D, **Parveen S**, Malik A, Broor S, Batra JK. An insertion in loop L7 of human eosinophil derived neurotoxin is crucial for its antiviral activity. **J Cell Biochem. Oct; 113 (10): 3104-12 (2012).**

45. Mansoori N, Tripathi M, Luthra K, Alam R, Lakshmy R, Sharma S, Arulselvi S, **Parveen S**, Mukhopadhyay AK. MTHFR (677 and 1298) and IL-6-174 G/C genes in pathogenesis of Alzheimer's and vascular dementia and their epistatic interaction. **Neurobiol Aging. May; 33(5): 1003.e1-8. (2012).**
46. Mansoori N, Tripathi M, Alam R, Luthra K, Ramakrishnan L, **Parveen S**, Mukhopadhyay AK. IL-6-174 G/C and ApoE gene polymorphisms in Alzheimer's and vascular dementia patients attending the cognitive disorder clinic of the All India Institute of Medical Sciences, New Delhi. **Dement Geriatr Cogn Disord. 30 (6):461-8 (2010).**
47. Girish R, Choudekar A, **Parveen S**, Bhatnagar S, Patwari A, Broor S: Genetic diversity of noroviruses and sapoviruses in children with acute sporadic gastroenteritis in New Delhi, India. **J Clin Virol, Sep; 43(1):42-8 (2008).**
48. Broor S, **Parveen S**, Bharaj P, Prasad VS, Srinivasulu KN, Sumanth KM, Kapoor SK, Fowler K, Sullender WM A Prospective 3 Year Cohort Study of the Epidemiology and Virology of Acute Respiratory Infections of Children in Rural India. **PLoS One Jun 6; 2(6): e491(2007).**
49. S Yusuf, G Piedimonte, A Auais, G Demmler, S Krishnan, PV Caesele, R Singleton, Broor S, **Parveen S**, L Avendano, J Parra, S Chavez- Bueno, TM de Sierra, EAF Simoes, S Shaha, R Welliver, Sr. The Relationship of Meteorological Conditions to the Epidemic Activity of Respiratory Syncytial Virus. **Epidem & Infect. Oct; 135 (7): 1077-90 (2007).**
50. **Parveen S**, Sullender WM, Fowler K, Lefkowitz EJ, Kapoor SK, Broor S. Genetic variability in the g protein gene of group A and B respiratory syncytial viruses from India. **J Clin Microbiol. Sep; 44 (9): 3055-64 (2006).**
51. **Parveen S**, Broor S, Kapoor SK, Fowler K, Sullender WM. Genetic diversity among respiratory syncytial viruses that have caused repeated infections in children from rural India. **J Med Virol. May; 78: 659-65 (2006).**

BOOK CHAPTER:

Deeba F, Afreen N, Islam A, Naqvi IH, Broor S, Ahmed A, **Parveen S***. Contributed book chapter entitled “Co-infection in Dengue and Chikungunya viruses” in a book entitled “Current Topics in Chikungunya” (ISBN 978-953-51-4627-8) that was published by **Intech Open Science (Pages 105-109, 2016).**

This chapter has 1422 downloads till date. Further the chapter was quoted by India Today on 14th September 2016 in context of ongoing dengue and chikungunya infections in New Delhi, India during 2016

(<http://indiatoday.intoday.in/story/dengue-chikungunya-csir-jamia-millia-islamia-denv-1-mosquitoes/1/763788.html>)

INVITED TALKS/ORAL PRESENTATIONS:

- Invited Online Talk on “**The Pandemic of COVID-19: A critical analysis**” at COVID-19: critical analysis and alternative treatments, an organic symbiotic paradigm, organized by Department of Sciences and Technology, Haryana on 15th September 2020.
- Invited Online Talk on “**The Pandemic of COVID-19**” at the 8th 2-week Online Refresher Course in Basic Sciences (Interdisciplinary) organized by UGC Human Resource Development Centre, Jamia Millia Islamia, New Delhi from September 10-23 2020.
- Oral Talk on “**Global Evolutionary Dynamics of Respiratory Syncytial Virus**” at the International Conference of Virology on Evolution of Viruses and Viral Diseases (VIROCON 2020) at Indian National Science Academy (INSA), New Delhi from 18-20 February 2020.
- Oral Talk on “**Interaction of Unani Drugs with Dengue Virus Proteins using Computational Approach**” at the 7th International Congress of Society for Ethnopharmacology (SFEC 2020) at Jamia Hamdard, New Delhi from 15-17 February 2020.
- Oral Talk on “**Concurrent infection with Plasmodium vivax and the Dengue and Chikungunya viruses: Two case reports from New Delhi**” at the National Congress of Parasitology & Global Summit on Malaria Elimination (NCP-GSME 2019) at Jawaharlal Nehru University, New Delhi from 26-28 September 2019.
- Oral Talk on “**Evolutionary Dynamics of Dengue Virus strains from New Delhi, India**” at the Biotechnology Research In India- Current Status and Future Prospects at Jamia Hamdard, New Delhi from March 26th & 27th, 2019.
- Invited Talk on “**Dengue Viral Infection: A growing Health Threat**” on 25th July at 121st 4- Week Orientation Programme organized by UGC Human Resource Development Centre, Jamia Millia Islamia, New Delhi from 17 July to 13 August 2018.
- Invited Talk on “**Big datasets in evolutionary dynamics of respiratory syncytial virus**” at the EMBO Symposia on Big Data in Biomedicine organized by Institute of Genomics & Integrative Biology at New Delhi during 25th-27th February 2018.
- Extension lecture on “**Human Ethics**” at the Centre for Physiotherapy and Rehabilitation Sciences, Jamia Millia Islamia, New Delhi on 20th July 2017.
- Extension lecture on “**ICMR guidelines for human ethics**” at the Centre for Physiotherapy and Rehabilitation Sciences, Jamia Millia Islamia, New Delhi on 28th July 2016.

- Extension lecture on “**Preparation of proposals for submission to Human Institutional Ethics Committee**” at the Centre for Physiotherapy and Rehabilitation Sciences, Jamia Millia Islamia, New Delhi on 28th June 2015.
- Took part in the Workshop on “**Evolutionary Analysis of Dengue Serotype 1 and 3 from New Delhi, India**” at the Botany and Microbiology Department, College of Science, **King Saud University, Riyadh, Saudi Arabia on 22nd December 2015.**
- Took part in a Panel Discussion on “**All About EBOLA**” with eminent Virologists from India at the Department of Biotechnology, Jamia Millia Islamia, New Delhi on October 20, 2014.
- Oral Talk on “**RSV Infections in India**” at International Centre for Genetic Engineering and Biotechnology, New Delhi, India on 27th October 2007.

CONFERENCES/ SEMINARS ORGANIZED:

- **Convenor** of Extension Lecture on ‘**COVID-19 Diagnosis and Clinical Management**’ organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi on 26th September 2020.
- **Convenor** of National Conference on ‘**Recent Trends in Molecular Virology**’ organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi from 17-19th November 2014.
- **Co-Convenor** of Interdisciplinary Science Conference-2007 on ‘**Recent Trends in Research in Biological Sciences**, organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia on 7th December 2007.

WORKSHOPS ATTENDED:

- ‘**Research Methodology on Research Methodology for Biological Research**’ organized by Indian Council of Medical Research (ICMR), New Delhi from 6-8th August 2018.
- ‘**Mammalian Cell Culture for Heterologous Gene Expression and Reporter Gene Analysis**’ organized by International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi from 22nd October to 3rd November 2007.

SUBJECT EXPERT AT THE FUNDING AGENCY

- Member of the Initial Screening Meeting as Subject Expert at Technology Development Board (TDB), Department of Science & Technology (DST), Government of India to evaluate the project proposal on “**Development and commercialization of Dengue tetravalent vaccine**” from M/s Panacea Biotec Limited, New Delhi on 8th March 2017.

(Shama Parveen)
22nd January 2021