




Faculty Details proforma
Dr. Manoj Kumar Nimesh



Title	Dr.	First Name	Manoj	Last Name	Nimesh	Photograph
Designation	Professor					
Address	Sri Guru Tegh Bahadur Khalsa College, Department of Zoology, University of Delhi, Delhi-110007					
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Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	University of Delhi				2014	
M. Sc.	Ch. Charan Singh University, Meerut				2001	
B. Sc.	University of Delhi				1999	
Career Profile						
Institution	Designation		Duration		Duties	
Sri Guru Tegh Bahadur Khalsa College	Professor		Jan 2022- Present		Under-Graduate Teaching and Research	
Sri Guru Tegh Bahadur Khalsa College	Associate Professor		Aug 2016 – Jan 2022		Under-Graduate Teaching and Research	
Sri Guru Tegh Bahadur Khalsa College	Assistant Professor		July 2003 – Aug 2016		Under-Graduate Teaching and Research	
Sri Guru Tegh Bahadur Khalsa College	Assistant Professor (Ad-hoc)		Aug 2002 to July 2003		Under-Graduate Teaching	

Administrative Assignments
<ul style="list-style-type: none"> • Convener, Admission Committee, SGTB Khalsa College • Member of various Committees in the college: Institutional Ethics Committee Admission Committee Examinations Core Committee Prevention against Sexual Harassment Committee Proctorial Board (Convener) Annual Day Committee Anti-Ragging Committee College Evaluation Centre Student Welfare Committee Student Union Advisory Committee • Convener of Department of Zoology, SGTB Khalsa College (2016-18) • Member of various committees in the Department of Zoology, SGTB Khalsa College.
Areas of Interest / Specialization
<ul style="list-style-type: none"> • Medical Diagnostics • Nucleic Acid Amplification Techniques • Animal Diversity
Subjects Taught
Animal Diversity, Animal Behaviour & Chronobiology, Animal Physiology and Functional Histology, Applied Biology and Biotechnology, Applied Zoology, Biodiversity, Biotechnology, Comparative Anatomy of Vertebrates, Diversity of Chordates, Environmental Management, Genetics, Immunology Medical Diagnostics, Non-Chordates I & II, Physiology and Developmental Biology
Research Guidance
Supervision of M.Sc. Dissertation, awarded: 06 Supervision of B.Sc. Dissertation, awarded: 02
Publications Profile
<p>Research papers published in Refereed/Peer Reviewed Journals:</p> <ul style="list-style-type: none"> • Nimesh M, Joon D, Pathak AK and Saluja D (2013). Comparative study of diagnostic accuracy of established PCR assays and in-house developed <i>sdaA</i> PCR method for detection of Mycobacterium tuberculosis in symptomatic patients with pulmonary tuberculosis. Journal of Infection 67(5): 399-407. • Nimesh M, Joon D, Varma-Basil M and Saluja D (2014). Development and clinical evaluation of <i>sdaA</i> loop mediated isothermal amplification assay for detection of <i>M. tuberculosis</i> with an approach to prevent carry-over contamination. Journal of Clinical Microbiology 52: 2662-4

- Joon D, **Nimesh M**, Saluja D (2015). Loop-mediated isothermal amplification as alternative to PCR for the diagnosis of extra-pulmonary tuberculosis **International Journal of Tuberculosis and Lung Disease** 19 (8): 986-991
- Nimesh N, Joon D, **Nimesh M** (2017) Advances in Microscopy-A Review. Voyager- Journal of Life Sciences VIII (1): 27-36
- Joon D, Nimesh N, **Nimesh M** (2017) Clinical manifestations of Tuberculosis. Voyager- Journal of Life Sciences VIII (1): 37-46
- Joon D, **Nimesh M**, Varma-Basil M, Saluja D (2017). Evaluation of improved IS6110 LAMP assay for diagnosis of pulmonary and extra pulmonary tuberculosis. **Journal of Microbiological Methods** 139:87-91
- Joon D, **Nimesh M**, Gupta S, Kumar C, Varma-Basil M and Saluja D (2019) Development and evaluation of rapid and specific sdaA LAMP-LFD assay with Xpert MTB/RIF assay for diagnosis of tuberculosis. **Journal of Microbiological Methods** 159:161-166.
- Pandey S, **Nimesh M**, Pal S (2021) Phylogenetic comparison of some nematode parasites of *Periplaneta americana* based on Electropherogram and secondary RNA Structure. Journal of Experimental Zoology 24: 1545-1552
- Pal S, **Nimesh M**, Gupta AK, Pandey P (2021) Phylogenetic comparison of some nematode parasites of *Periplaneta americana* on the basis of DNA sequence alignment and Phylogenetic tree. Journal of Experimental Zoology 24: 1365-1379.
- **Nimesh M**, Kang R, Joon D (2022) Screening the paper currency for *Mycobacterium tuberculosis* using loop mediated isothermal amplification. Journal of Applied Biology and Biotechnology 10: 221-225

Conference Organization/ Presentations

1. Organized National workshop on Scientific Illustration: Context in Learning Process of Biological Sciences (Oct 2021) by Department of Zoology, SGTB Khalsa College, University of Delhi
2. Delivered oral presentation titled “Screening currency notes for M. tuberculosis using loop mediated isothermal amplification” at World Conference on Lung Health 2018 in Hague, Netherlands (Oct 2018). Was awarded with Travel Grant from UGC.
3. Resource Person for Workshop cum Hands on Training Program on Molecular Diagnostics of Infectious Diseases organized by Dr. BR Ambedkar Center for Biomedical Research and Bhaskaracharya College of Applied Sciences during March 2018
4. Presented research work in the 11th Symposium on Frontiers in Biomedical Research on Challenges in Human Health organized by ACBR, University of Delhi (February, 2018)

Research Projects (Major Grants/Research Collaboration)

- Principal Investigator for multi-centric project titled *Designing and evaluation of point of care diagnostic assay for detection of MDR Tuberculosis using Loop mediated*

isothermal amplification combined with lateral flow dipstick funded by Department of Biotechnology, Govt. of India (2019-2022)

- Principal Investigator for the one-year project on *Detection and evaluation of Mycobacterium marinum in catfish using nucleic acid amplification techniques* funded by Science Centre, SGTB Khalsa College, University of Delhi (2018-19)
- Consultant for Indo-Canada Research Project on *Development of hand-held molecular point-of-care test device for infectious diseases* IC-IMPACTS Grant by Department of Biotechnology, Government of India (2017-18)

Association With Professional Bodies

Member:

- Member of THE UNION (The International Union Against Tuberculosis and Lung Disease)

Refresher/Orientation/FDP/Workshop/ Programme

- National **Faculty Development Program** on “Academic Report Writing and Research Methodology” organized by Guru Angad Dev Teaching Learning Centre, and Department of Business Economics, SGTB Khalsa College, University of Delhi during March 4-10, 2021.
- **Faculty Development Program** on “Teacher’s e-kit and MOOCs in 4 Quadrant format of e-content ” organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi during 12-20 Sep, 2020.
- **Faculty Development Program** on “Research Methodology using SPSS & art of writing a research proposal” during 15-20 June 2020 organized by St. Claret College, Bangalore University
- **Faculty Development Program** on “e-Learning, Pedagogy & ICT Tools in Higher Education" organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi during 26 Nov to 7 Dec, 2018.
- **Refresher Course** organized by UGC-ASC, Jamia Millia Islamia, Delhi during 12 May to 2 June, 2014
- Workshop on “Statistical Methods for Evaluation of Diagnostic Kits" held at National Institute of Medical Statistics, ICMR, New Delhi during 15-17 November, 2012.
- Biology Laboratory Course organized by Institute of Life-long Learning and Daulat Ram College, University of Delhi during 2 to 4 Sep 2008