




University of Delhi



### Faculty Detail Performa

Name	<b>Dr. Narendra Kumar</b>	
Designation	Assistant Professor	
Department	Biochemistry	
Address:	4-Patel Marg, Maurice Nagar Department of Biochemistry, Daulat Ram College (DRC), University of Delhi, Delhi- 110007, India	
Email	<a href="mailto:narendra@dr.du.ac.in">narendra@dr.du.ac.in</a> , <a href="mailto:narendra30@gmail.com">narendra30@gmail.com</a> ,	
Phone	+919953091379, +919968376791	

### Educational Qualification

Degree	Institution	Year
<b>Ph.D (HIV/AIDS)</b>	All India Institute of Medical Sciences <b>(AIIMS)</b> , New Delhi, India	2014
<b>PDF (Cancer Research)</b>	University of Nebraska Medical Center <b>(UNMC)</b> , USA	2022

### Full Time Research Experience

Designation	Institute	Time period	Nature of Appointment
<b>Research Trainee</b>	ACTREC- Tata Memorial Center (Cancer Research Center), Mumbai, India	6 Months	Fellowship
<b>JRF</b>	All India Institute of Medical Sciences (AIIMS), New Delhi, India	1 yr 3 Months	Contract
<b>SRF</b>	All India Institute of Medical Sciences (AIIMS), New Delhi, India	3 years	Contract
<b>PDF (Cancer Research)</b>	University of Nebraska Medical Center (UNMC), USA	4 year 11 months	Contract

## Research/Teaching

<b>Instructor (Faculty)</b>	University of Nebraska Medical Center (UNMC), USA	1 Month	Contract
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### Full time Teaching Experience

S.No	Designation	Institution	Time Period	Nature of Appointment
1	<b>Assistant Professor</b>	Daulat Ram College (DRC), University of Delhi, India	8 Months	Permanent

### Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience
DRC	Co-convenor, Entrepreneurship cell	Staff council Nominee	2023 to till date	Ongoing
DRC	Member, Library Committee	Staff council Nominee	2023 to till date	Ongoing
DRC	Member, Core Committee of Admissions	Staff council Nominee	2023 to till date	Ongoing
DRC	Member, Discipline Committee	Staff council Nominee	2023 to till date	Ongoing
DRC	Member, Sports Board	Staff council Nominee	2022 to till date	Ongoing
DRC	Member, Debate Society	Staff council Nominee	2022 to 2023	8 Months
DRC	Co-convenor, Entrepreneurship	Staff council Nominee	Session 2022 to 2023	6 Months
DRC	Co-convenor, Finance & Investment Cell	Staff council Nominee	Session 2022 to 2023	6 Months
DRC	Co-convenor, S-Marketing Cell	Staff council Nominee	Session 2022 to 2023	6 Months

Areas of Interest: **Research**

**Cancer Research** || Infectious Diseases: HIV, SARS-CoV-2, Monkeypox || Metabolomic Disorders: DM, NAFLD, AALD

**Research Skills**

- **Animal models/handling, Monkeys, Hamsters, Mice & *C. elegans***
  - Transgenic mice colony breeding
  - Tailing, ear punching, genotyping, dissection, and tissue excision.
  - Routes of administration (Oral gavage, Intramuscular, subcutaneous, and intraperitoneal injections).
  - DSS and Citrobacter colitis model
- Microtomy/Tissue Embedding, H&E,
- Immunohistochemistry (IHC)/Immunofluorescence (IF)
- Microscopy
- Animal cell/tissue culture
- Protein isolation, estimation & preparation
- Western blotting
- PCR/RT-PCR/Nucleic Acids (RNA/DNA) isolation & estimation
- Plasmid preparation & Transfection
- Bacteria culture of aerobic and anaerobic
- Biochemical identification of Bacteria
- ELISA / Flow cytometry- FACS/ Leukemia Phenotyping
- DNA Sequencing/HIV genotyping and viral load assay
- Phlebotomy & serological testing (e.g. BUN assay)

Areas of Interest: **Teaching**

Diseases: Infectious and Noninfectious | Immunology | Cell Biology | Biomolecules | Metabolism | Gene expression, RDT | Biochemical Techniques

**Subjects Taught**

S.No	Course	Subject Taught	Semester	Year
1	Biochemistry (H)	Gene Expression and Regulation	V	2022-2023
2	Biochemistry (H)	Techniques	I	2022-2023
3	Biochemistry (H)	Cell Biology	II	2023

4	Biochemistry (H)	Infectious Diseases	VI	2023
5	Biochemistry (H)	Biomolecules	II	2023
6	Biochemistry (GE)	Biochemical Correlation of Diseases	IV	2023
7	Biochemistry (GE)	BCH-GE-2: Techniques in Biochemistry	II	2023

### **Peer-reviewed publications**

1. **Narendra Kumar**, Satyanarayana Rachagani, Gopalakrishnan Natarajan, Alexandra Crook, Thiyagarajan Gopal, Vinothkumar Rajamanickam, Jyoti B Kaushal, Sirpu N Nagabhishek, Robert Powers, Surinder K Batra, Viswanathan Saraswathi **“Histidine enhances the anticancer effect of gemcitabine against pancreatic cancer via disruption of amino acid homeostasis and oxidant-antioxidant balance.”** *Cancers (Basel)*. 2023 May 3;15(9):2593. doi: 10.3390/cancers15092593. ISSN- 20726694 (**Impact Factor 6.58**)
2. Samuel D. J, Lindsey A. K, **Narendra Kumar**, Omalla A. Olwenyi, Michellie Thurman, Smriti Mehra, Mahesh Mohan and Siddappa N. Byrareddy **“Early treatment with anti-a4b7 antibody facilitates increased gut macrophage maturity in SIV-infected rhesus macaques”** *Frontiers in Immunology*, 2022 Nov 1;13:1001727. doi: 10.3389/fimmu.2022.1001727. eISSN-1664-3224 (**Impact factor- 8.79**)
3. **Narendra Kumar**, Arpan Acharya, Howard E. Gendelman, Siddappa N. Byrareddy **“The 2022 Outbreak and the Pathobiology of the Monkeypox Virus”** *Journal of Autoimmunity*, Volume131, July, 2022, 102855, <https://doi.org/10.1016/j.jaut.2022.102855>, ISSN- 0896-8411 (**Impact Factor-14.51**)
4. Viswanathan Saraswathi, **Narendra Kumar**, Weilun Ai, Thiyagarajan Gopal, Saumya Bhatt, Edward N. Harris, Geoffrey A. Talmon and Cyrus V. Desouza **“Myristic Acid Supplementation Aggravates High Fat Diet-Induced Adipose Inflammation and Systemic Insulin Resistance in Mice”** *Biomolecules*, May 24, 2022, 12(6), 739, <https://doi.org/10.3390/biom12060739>, ISSN: 2218-273X (**Impact Factor-6.06**)

5. Viswanathan Saraswathi, **Narendra Kumar**, Thiyagarajan Gopal, Saumya Bhatt, Weilun Ai, Carmen Ma, Geoffery A. Talmon and Cyrus Desouza **“Lauric Acid versus Palmitic Acid: Effects on Adipose Tissue Inflammation, Insulin Resistance and Non-Alcoholic Fatty Liver Disease in Obesity”** *Biology-MDPI* **2020**, 9, 346; doi:10.3390/biology9110346, 22 October 2020 ISSN 2079-7737; CODEN: BBSIBX **(Impact Factor-5.16)**
  
6. Thiyagarajan Gopal, **Narendra Kumar**, Curtis Perriotte-Olson, Carol A Casey , Terrence M Donohue Jr, Edward Noel Harris, Geoffrey Talmon, Alexander V Kabanov and Viswanathan Saraswathi **“ Nano formulated SOD1 Ameliorates the Combined NASH and Alcohol-Associated Liver Disease Partly via Regulating Cyp2E1 Expression in Adipose Tissue and Liver”** *American Journal of Physiology-Gastrointestinal and Liver Physiology*, 13 JAN 2020 <https://doi.org/10.1152/ajpgi.00217.2019>, ISSN- 01931857, 15221547 **(Impact Factor-4.8)**
  
7. **Narendra Kumar**, Sanjeev Sinha, Rama Chaudhry, S K Sharma, V. Sreenivas Sanjay Ranjan, Meera Ekka, Hafeez Ahmad, J C Samantaray **“Clostridium difficile infections in HIV-positive diarrheal patients of North India”** *The National Medical Journal of India*, VOL. 27, NO. 3, 2014, ISSN-0970-258X. **(Impact Factor-.5)**
  
8. Asha Anandaiah, Sanjeev Sinha, Medhavi Bole, Surendra K. Sharma, **Narendra Kumar**, Kalpana Luthra, Xin Li, Xuiqin Zhou, Benjamin Nelson, Souvenir D.Tachado, Naimish R. Patel and Henry Koziel, **“Vitamin D rescues impaired Mycobacterium tuberculosis-mediated TNF release in HIV+ macrophages through enhanced TLR signaling pathway”** *Infection and Immunity* (*Infect Immun.* 2013 Jan;81(1):2-10), ISSN-0019-9567 **(Impact Factor-3.69)**
  
9. Sinha S, Shekhar RC, Ahmad H, **Kumar N**, Samantaray JC, Sreenivas V, Khan NH, Mitsuyasu RT. **“Prevalence of HIV drug resistance mutation in the Northern Indian population after failure of the first line antiretroviral therapy”** *Current HIV research*, 2012 Sep 1;10(6):532-8, ISSN: 1570-162X (print); 1873-4251 (web) **(Impact Factor-2.30)**

10. Sinha S, Shekhar R C, Singh G, Shah N, Ahmad H, **Kumar N**, Sharma S K, Samantaray J C, Ranjan S. Sreenivas V, Mitsuyasu R L **“Early versus delayed initiation of antiretroviral therapy for Indian HIV-infected individuals with tuberculosis on antituberculosis treatment” BMC Infectious Diseases**, 2012 Jul 31;12(1):168, ISSN: 1471-2334 (Impact Factor-3.68)
11. Sinha S, Ahmad H, Shekhar RC, **Kumar N**, Dar L, Samantaray JC, Sharma SK, Bhargava A, Pandey RM, Mitsuyasu RL, Fahey JL. **“Prevalence of HIV drug resistance mutations in HIV type 1 isolates in antiretroviral therapy naïve population from northern India” AIDS Research and Treatment**, 2012; 2012:905823. Epub 2012 Mar 15., ISSN: 2090-1259 (Impact Factor-2.1)
12. Sinha S, Dhooria S, Kumar S, Shah N, Velpandian T, Ravi A, **Kumar N**, Ahmad H, Bhargwa A, Chug K, Bumma N, Chandrashekhar R, Ekka M, Sreenivas V, Sharma SK, Samantaray J, Mitsuyasu R. **“The antiretroviral efficacy of highly active antiretroviral therapy and plasma nevirapine concentrations in HIV-TB co-infected Indian patients receiving rifampicin based antituberculosis treatment” AIDS Research and Therapy**, 2011, Nov 2;8(1):41., ISSN: 1742-6405 (Impact Factor-2.85)
- Conference Proceedings publication:**
13. Rutba Rafiqi, Rida Rafiqi, **Narendra Kumar\*** **“Nanoformulated antioxidant enzyme (Superoxide dismutase1) in the treatment of ethanol- and/or obesity-induced liver injury”** International seminar on current trends in life sciences (Int-STCLS-2023) organized by Amity Institute of Biotechnology & Department of Environmental Sciences, Amity University of Madhya Pradesh, Bhopal in Association with NASI (Bhopal Chapter) on March 1, 2023.
14. T Gopal, **N Kumar**, C Perriotte-Olson, CA Casey, TM Donohue, EN Harris, GA Talmon, AV Kabanov, V Saraswathi **“Nanoformulated Superoxide Dismutase Ameliorates Alcohol-Associated Liver Disease in obesity Partly via Regulating CYP2E1 Expression in Adipose**

**Tissue”** Alcoholism -Clinical and Experimental Research, 38A-38A, RSA/ISBRA Virtual Conference Jun 2021

15. Weilun Ai, **Narendra Kumar**, Thiyagarajan Gopal, Carol Casey, Terrence Donohue, and Viswanathan Saraswathi, **“Hepatocyte-specific TP-R deletion attenuates xenobiotic metabolism enzymes in liver: Implications in protection against ethanol-induced liver injury”** Research Society on Alcoholism (RSA) 44th Annual Scientific Meeting is organized by Research Society on Alcoholism (RSA), Jun 2021 at Texas, Louisiana, USA
16. DA Alvarez, S Viswanathan, T Gopal, **Narendra Kumar**, K Kelley and C Desouza: A Novel Relationship between Thromboxane A2 Receptor and Obesity-Related Inflammation” American Diabetes Association, **Diabetes**, Volume 70, (Supplement-1) ADA-2021 Scientific Sessions to a virtual meeting, June 25-29, 2021, USA
17. Weilun Ai, **Narendra Kumar**, Thiyagarajan Gopal, and Saraswathi Viswanathan” **Hepatocyte-Specific Thromboxane Prostanoid Receptor Deletion Alleviates Alcohol-Associated Liver Disease** Abstract in Midlands Society of Physiological Sciences (MSPS) IPS/MSPS Scientific Sessions- October 30-31, 2020, Virtual Conference (Zoom), USA
18. Alcaraz Alvarez Diego, Viswanathan Saraswathi, Thiyagarajan Thangavelu, **Narendra Kumar**, Katelyn Kelley and Cyrus Desouza “Thromboxane Signaling and Obesity-Related Insulin Resistance” American Diabetes Association, ADA-2020 Scientific Session, June12-16, 2020, Chicago, IL-USA
19. **N. Kumar**, Gopal T., TM Donohue Jr, CA Casey, and Saraswathi V. “TP-R deletion promotes adipose tissue browning and ameliorates alcohol-associated liver disease in mice” Research Society on Alcoholism (RSA) 43rd Annual Scientific Meeting is organized by Research Society on Alcoholism (RSA), Jun 20 - 24, 2020 at New Orleans, Louisiana, USA

20. **Narendra Kumar**, Terrence M Donohue Jr, Carol A Casey, and Viswanathan Saraswathi “TP-R deletion promotes adipose tissue browning and M2 macrophage polarization with a concomitant reduction in alcohol-associated liver injury in mice” Poster presentation at Trainees in Physiology Research Reception sponsored by Midlands Society of Physiological Sciences (MSPS) October 26, 2019, University of Nebraska at Omaha, USA
21. Emily Mills, **Narendra Kumar**, Thiyagarajan Gopal, Alexander Kabanov, Viswanathan Saraswathi, “The Effect of Nano formulated Superoxide Dismutase 1 Targeted to Hepatocytes or Macrophages on Alcohol-Associated Liver Injury” Poster presentation at Summer Undergraduate Research Program, August 8, 2019 at Michael F Sorrell Center for Health Science Education, **UNMC**, Nebraska, USA
22. Rizwan Ahmad, **Narendra Kumar**, Balawant Kumar, Ishwor Thapa, Amanda Ramer-Tait, Laurey Steinke, Dhundy Bastola, Punita Dhawan, Amar B. Singh, “Loss of Claudin-3 Expression Induces Gut Dysbiosis and IL6/Stat-3 Signaling to Promote Susceptibility to Inflammatory Bowel Diseases” AGA abstracts 989, **Gastroenterology**, Volume 156, Issue 6, Supplement 1, May 2019, Pages S-210, Digestive Disease Week (DDW) conference, 18-21 May 2019, San Diego, USA
23. Rizwan Ahmad, Balawant Kumar, **Narendra Kumar**, Iswor Thapa, Kiran D. Bastola, Mary K. Washington, Punita Dhawan, Amar B. Singh; “Upregulated claudin-2 expression in ulcerative colitis protects from colitis-associated cancer” Abstract in **American Association of Cancer Research (AACR)** conference, March 29 – April 03, 2019, Atlanta, USA
24. **Narendra Kumar**, Rizwan Ahmad, Iswor Thapa, Amanda Ramer-Tait, Laurey Steinke, Dhundy Bastola, Punita Dhawan and Amar B. Singh “Loss of claudin-3 expression induces gut dysbiosis and promotes susceptibility to inflammatory bowel disease” Poster presentation at annual symposium, No-49, July 27, 2018, at **UNMC**, Nebraska, USA



25. Rizwan Ahmad, Balawant Kumar, **Narendra Kumar**, Mary K. Washington, Punita Dhawan, Amar B. Singh; "Contrasting role of claudin-2 in colitis-associated cancer (CAC) and spontaneous colon tumorigenesis (CRC) by regulating mucosal healing" Abstract (4082) in **American Association of Cancer Research (AACR)** conference, April 2018, Chicago, USA
26. **Narendra Kumar**, Ashutosh K. Rai, Rupesh Chaturvedi "C. elegans as a model to study host pathogen interaction" Poster presentation, November 11, 2016, Host-Microbe Interaction Laboratory, School of Biotechnology, Jawaharlal Nehru University (**JNU**), New Delhi, India
27. Sinha S., Dhooria S., Kumar S., Shah N., Velpandian T., Ravi A.K., **Kumar N.**, Ahmad H., Bhargava A., Chug K., Sreenivas V., Sharma S.K., Samantaray J.C., Mitsuyasu R.T., "Plasma nevirapine levels and antiretroviral efficacy of treatment in HIV-TB co-infected Indian patients receiving highly active antiretroviral therapy along with rifampicin based antituberculosis treatment" Abstract in **National conference on HIV/AIDS research**, 19<sup>th</sup>-21<sup>st</sup> January 2011, India Habitat Centre, New Delhi, INDIA.
28. Sinha S, Ahmad H, **Kumar N.**, Dar L, Samantaray J C, Sharma S K, Bhargava A, Pandey R M, Mitsuyasu R T, Fahey J L "*Study of prevalence of baseline HIV drug resistance in the antiretroviral treatment-naïve HIV infected Northern India population*" Abstract in **XVIII International AIDS conference 18-23 July 2010, Vienna Austria.**
29. **N. Kumar**, S. Sinha, R. Chaudhry, S. K. Sharma, H. Ahmad, J. C. Samantaray "Clostridium difficile infections in HIV positive patients of North India" Abstract in 2<sup>nd</sup> **National AIDS Society Conference**, Jaipur, Rajasthan, February, 2009.
30. Sanjeev Sinha, S. K. Sharma, **N. Kumar**, and Naimish R. Patel "The role of vitamin D in susceptibility of Tuberculosis" **CHEST**, 29 October **2008**, **Mycobacterial Diseases: Treatment**

## Selected Conferences/Workshops/Symposium attended.

- 1 Webinar on “DELNET resources and Services” jointly organized by Daulat Ram College, Delhi University and DELNET Developing Library Network on 14.07.2023
- 2 Gyanotsav- 2079, (17-19 November 2022) “**Self-Reliant Bharat Through Education**” A conference organised by Shiksha Sanskriti Utthan Nyas, an organisation working for the promotion of Indian education on all-India level, and in collaboration with various educational institutions belonging to the Ministry of Education at Indian Council of Agriculture Research (ICAR) center, Pusa, New Delhi, India
- 3 In-House Skill Development Program- “Skills for Employability, Building Competency, Cultural Sensitization and Diversity Integration” under IQAC, Academic Session 2022-23 organized by Department of Biochemistry, Daulat Ram College, University of Delhi, India from November 5-28, 2022
- 4 Research Society on Alcoholism (RSA) 43rd Annual Scientific Meeting is organized by Research Society on Alcoholism (RSA), Jun 20 - 24, 2020 at New Orleans, Louisiana, USA
- 5 Trainees in Physiology Research Reception sponsored by Midlands Society of Physiological Sciences (MSPS) October 26, 2019, University of Nebraska at Omaha, USA
- 6 Annual symposium Department of Biochemistry & Molecular Biology, 27<sup>th</sup> July 2018 at University of Nebraska Medical Center (UNMC), Omaha, Nebraska, USA
- 7 Annual Scientific Symposium “BioEpoch-2017” 23-24 March, 2017 organized by School of Biotechnology, Jawaharlal Nehru University, New Delhi-110067, India.
- 8 National Workshop on “**Recent trends in Biochemistry and Biotechnology (NRTBB-2016)**” organized by Department of Biochemistry, Deshbandhu College, University of Delhi on 21<sup>st</sup> & 22<sup>nd</sup> April 2016.
- 9 Workshop, 8<sup>th</sup> September 2014 on “**Road Map for Patents: Where to Start & How to Proceed?**” organized by AIIMS-NRDC innovation facilitation Centre at All India Institute of Medical Sciences, New Delhi, INDIA.
- 10 Workshop on “**Lab Diagnosis of Antibiotic Associated Diarrhea**” MICRO-D-CON 2012, Indian Association of Medical Microbiologists-Delhi Chapter, 4<sup>th</sup> Annual Conference, 24-25<sup>th</sup> February, 2012.

- 11 **Medicine Update-2012**, 12<sup>th</sup> February, 2012 organized by Department of Medicine, All India Institute of Medical Sciences, New Delhi, This conference is accredited for 6 hours by Delhi Medical Council.
- 12 Workshop on **“Intellectual Property & Innovation Management in Medical Research”** organized by National Research Development Corporation (**NRDC**), New Delhi and Indian Council of Medical Research (**ICMR**), New Delhi, INDIA on 11-12 November 2011
- 13 National Symposium on **“Translational Research in Health Sciences”** Symposium consisted of the Structure based drug design, Nanotechnology, Functional genomics, **HIV/AIDS vaccine development**, Drug delivery methods, Bioinformatics based therapeutics development, organized by Society of Young Scientists, All India Institute of Medical Sciences, New Delhi, INDIA
- 14 National Symposium on **“Immunity to Infection”**, 08 October 2007, organized by Society of Young Scientists, All India Institute of Medical Sciences, New Delhi, INDIA
- 15 AllMS Golden Jubilee International Symposium on **“Recent Advances in Reproductive Biology”** February 21, 2006, organized by Department of Reproductive Biology, All India Institute of Medical Sciences, New Delhi, INDIA
- 16 Symposium on **“Improving Tuberculosis Care and Control”** held on 4<sup>th</sup> November 2011 organized by Tuberculosis Division, Department of Microbiology at All India Institute of Medical Sciences, New Delhi, INDIA
- 17 **World TB day Symposium**, March 29, 2011 at Department of Microbiology, AllMS, New Delhi, India.
- 18 **“Stem cell therapies for autoimmune diseases” SYS Lecture Series-2011**, Lecture delivered by **Prof. Julio Cesar Voltarelli, MD, Ph.D.**, (Director, Bone Marrow Transplantation unit, School of Medicine of Ribeiro Preto, University of Sao Paulo, Brazil) on 5<sup>th</sup> February 2011 at All India Institute of Medical Sciences, New Delhi, INDIA.
- 19 **National Conference of HIV/AIDS Research**, Towards Evidence-Policy linkage in HIV/AIDS Research in India, 19<sup>th</sup> – 21<sup>st</sup> January 2011 at the India Habitat Centre, New Delhi, organized by **National AIDS Control Organization (NACO)**, Department of AIDS Control, Ministry of Health & Family Welfare, Government of India & **UNAIDS**.
- 20 Workshop on **“HIV/AIDS research in India: Perspectives & Challenges”** on 18<sup>th</sup> January, 2011 at the India Habitat Centre, New Delhi, organized by **National AIDS Control**

**Organization (NACO)**, Department of AIDS Control, Ministry of Health & Family Welfare, Government of India & **UNAIDS**.

- 21 Workshop on **“Designing Clinical Research/Thesis”** 15<sup>th</sup>-16<sup>th</sup> January, 2011 (Saturday-Sunday), Dr. Ramalingaswami Board Room, organized by Clinical Epidemiology Unit, All India Institute of Medical Sciences, New Delhi, INDIA
- 22 **UNICEF** supported **“Capacity Building Workshop on Ethics in HIV/AIDS Research”** from 10<sup>th</sup> to 12<sup>th</sup> November, 2010 at the Center of Excellence, Maulana Azad Medical College, New Delhi, Conducted by **National AIDS Control Organization (NACO)**, Department of AIDS Control, Ministry of Health & Family Welfare, Government of India
- 23 **“The role of small RNA mediated regulatory mechanisms in tumor growth”** & **“Successful scientific grant proposals: The hidden code”** lectures delivered by Dr. Dhan V. Kolvakolanu, Professor of Microbiology & Immunology, University of Maryland, School of Medicine, Baltimore, USA on 28<sup>th</sup> June organized by Society of Young Scientists at AIIMS, New Delhi
- 24 **Medicine Update-2010**, 8<sup>th</sup> August, 2010 organized by Department of Medicine, All India Institute of Medical Sciences, New Delhi, This conference is accredited for 5.15 hours by Delhi Medical Council.
- 25 **“National Task Force Workshop (2009) on the Involvement of Medical Colleges in RNTCP”** National level CME held on 30<sup>th</sup> -31<sup>st</sup> October, 2009 organized by Central TB Division and AIIMS with support of WHO. at All India Institute of Medical Sciences, New Delhi, INDIA
- 26 **Medicine Update-2009**, 9<sup>th</sup> August, 2009 organized by Department of Medicine, All India Institute of Medical Sciences, New Delhi, This conference is accredited for 4.0 hours by Delhi Medical Council.
- 27 World TB Day **“I am stopping TB”** 25<sup>th</sup> March, 2009, Department of Microbiology, All India Institute of Medical Sciences, New Delhi, INDIA
- 28 2<sup>nd</sup> National Conference of AIDS Society of India (**ASICON-2009**), **Focusing Clinical Management of HIV/AIDS**, 27 February- 01 March 2009, Jaipur, INDIA
- 29 **“ICTC Sensitization Training Programme”**, 13 February, 2009 at Department of Microbiology organized by All India Institute of Medical Sciences & **Delhi State AIDS Control Society, Delhi** Government, New Delhi.

- 30 “National Task Force Workshop (2008) on the Involvement of Medical Colleges in RNTCP” National level CME on “**Challenges on the road ahead for TB control**” 22 October, 2008, Department of Medicine, All India Institute of Medical Sciences, New Delhi, organized by Central TB Division and AIIMS with support of WHO.
- 31 **Training Programme for management of HIV/AIDS**, 18-19 October, 2008, organized by Department of Medicine, All India Institute of Medical Sciences & Delhi State AIDS Control Society, Delhi Government New Delhi, INDIA
- 32 Workshop on “**Tips & Tricks in Word & PowerPoint**” by K L Wig Center for Medical Education & Technology, 3-4 September, 2008, All India Institute of Medical Sciences, New Delhi, INDIA
- 33 **Medicine Update-2008**, 10 August, 2008, Department of Medicine, All India Institute of Medical Sciences, New Delhi, INDIA, This conference is accredited for 3.5 hours by Delhi Medical Council.
- 34 Workshop on “**Good Clinical (Research) Practice**” by PEARL (Pfizer Education And Research League) Pfizer Limited, 29-30 March, 2008, Department of Medicine, All India Institute of Medical Sciences, New Delhi, INDIA
- 35 “National Task Force Workshop (2007) on the Involvement of Medical Colleges in RNTCP” National level CME on “**Drug resistant TB**” 29 October, 2007 at Department of Medicine, All India Institute of Medical Sciences, New Delhi organized by Central TB Division and AIIMS with support of WHO.
- 36 **Training Program for management of HIV/AIDS**, 29-30 September, 2007, organized by Department of Medicine, All India Institute of Medical Sciences & Delhi State AIDS Control Society, Delhi Government New Delhi, INDIA
- 37 **Medicine Update-2007**, Department of Medicine, 05 August, 2007, All India Institute of Medical Sciences, New Delhi, INDIA, This conference is accredited for 3.15 hours by Delhi Medical Council.
- 38 **ICH-GCP (Good Clinical Practices)** training by CADILA Pharmaceuticals, 28-29 March, 2007, Department of Medicine, All India Institute of Medical Sciences, New Delhi.
- 39 Indo-US symposium on “**Inflammatory Bowel Diseases**” 24-25 March, 2007, Department of Gastroenterology & Human Nutrition, All India Institute of Medical Sciences, New Delhi.

- 40 **National Hematology Update-VI**, 1-2 March, 2007, Department of Hematology, All India India Institute of Medical Sciences, New Delhi, INDIA
- 41 **National Symposium on Nano Technology in Medicine**, 13<sup>th</sup> January, 2007, organized by Society of Young Scientists, All India India Institute of Medical Sciences, New Delhi, INDIA
- 42 **International Symposium on Cardiovascular Diseases, Stroke and Diabetes**, February 17-18, 2006, organized by Departments of Cardiology, Neurology and Endocrinology, All India India Institute of Medical Sciences, New Delhi, INDIA

### **Additional Qualification/certificates**

- **Professional Diploma in Clinical Research (PDCR)**, Catalyst Clinical Services Pvt. Ltd. Delhi – 110009 (India)  
Subjects:
  - (A) Introduction to Pharmaceutical Medicine
  - (B) Good Clinical Practices (GCP)
  - (C) Drug regulatory affairs (Clinical Trials)
  - (D) Roles and Responsibilities of Clinical Trial Personnel
- Certificate of “**Good Clinical (Research) Practice**” by PEARL (Pfizer Education and Research League) **Pfizer Limited**, March, 2008 at Department of Medicine, All India Institute of Medical Sciences, New Delhi, INDIA
- Certificate of “**Designing Clinical Research/Thesis**” January, 2011 at Dr. Ramalingaswami Board Room, organized by Clinical Epidemiology Unit, All India Institute of Medical Sciences, New Delhi, INDIA
- **ICH-GCP (Good Clinical Practices)** training by CADILA Pharmaceuticals, March, 2007 at Department of Medicine, All India Institute of Medical Sciences, New Delhi.
- One-year Certificate course in “**Canning and Food Conservation Techniques**” from Govt. Food Science Training Institute Paliwal Park, Agra (UP), INDIA
- One month **Faculty Induction Program (FIP)** organized by Guru Angad Dev Teaching Learning Centre, A center of Ministry of Education under (PMMMNMST) from 25<sup>th</sup> February, 2023 to 27<sup>th</sup> March, 2023

- Completed online two - week Interdisciplinary Refresher Course in “**ADVANCED RESEARCH METHODOLOGY**” from 22 May – 05 June 2023 and obtained Grade A+ organized by Teaching Learning Centre, Ramanujan College University of Delhi (Accredited Grade 'A++' by NAAC) In collaboration with M.V.S. Government Arts & Science College (Autonomous) Mahbubnagar, Telangana under the aegis of Ministry of Education, Pandit Madan Mohan Malviya National Mission on Teachers, and Teaching.

#### Resource Person (Conference/seminar/ workshop/training programme/ educational trips)

S.No	Type of Event	Name of Event	Venue	Date of Event	State your role: Convener/Member organizing committee/ Speaker/ Coordinator	Duration of Activity	No of participant in the programme
1.	Workshop	Skill Development Program	Department of Biochemistry, DRC, DU, India	November 5-28, 2022	Organizing Member and resource person	3 weeks	35
2.	Conference	Gyanotsav	ICAR, Pusa, Indai	17-19 November, 2022	Coordinator	3 days	3000
3.	Yoga Program	International Yoga Day	DRC, DU, India	21 June, 2023	Organizing Member	One day	300
4.	Annual Function	Manjari	DRC, DU, India	24-25 April, 2023	Discipline and Security In-charge	2 days	4000
5.	Inter-college marathon	Manikarnika	DRC, DU, India	November 2022	Organizing Member	1 day	250

#### Awards Won

S.No	Name of Award	Awarding Agency	Government/ NGO/ International/Private	Recognition area	Date of award	Type of Honor received
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1.	Fogarty Fellowship	National Institute of Health, USA	Government	Infectious Diseases: HIV/AIDS	April 2017	Fellowship
2.	Senior Research Fellowship	Indian Council of Medical Research (ICMR), India	Government	Infectious Diseases: HIV/AIDS	October 2009-2012	Fellowship
3.	Research Trainee Fellowship	ACTREC-Tata Memorial Center, Mumbai, India	Government	Cancer Research	February 2004	Fellowship

I was awarded as an **Excellent Member** of Society of Young Scientists (SYS), All India Institute of Medical Sciences (AIIMS), New Delhi for my excellent work and good behavior with my colleagues by SYS-Executive Committee 2010-2011

### Membership of Professional Bodies:

- **Life Member** - AIDS Society of India (ASI), Mumbai, India (Since 2014)
- **Life Member** - Society of Young Scientists (SYS), AIIMS, New Delhi, India (Since 2014)
- **Life Member** - Red Cross Society of India, New Delhi, India (Since 2015)
- **Life Member** - AIIMS Alumni Association, New Delhi, India (Since 2015)
- **Member**- Midlands Society of Physiological Sciences (MSPS), USA (Since 2019)
- **Reviewer**- Journal of Translational Medicine (since 2021),  
Molecular Biology Reports (Since 2021)  
  
BMC Cancer (Since August 2022)  
  
BMC Medicine (Since August 2022)  
  
Journal of Pre-Clinical and Clinical Research (Since August 2022)  
  
Journal of Pre-Clinical and Clinical Research
- **Jury**- India International Science Festival (IISF) & Young Scientists Conference (YSF) P06-PAND: Pandemic & Crisis, Session-7, December 22-24, 2020, organized by Ministry of



Science & Technology, Ministry of Earth Sciences and Ministry of Health & Family Welfare, Govt. of India.

- **Judge-** Midwest Student Biomedical Research Forum (MSBRF) Abstract Judge, on February 22, 2020 at the Harper Center on Creighton University's campus, 602 North 20th Street. Omaha, NE, USA

### **Invited Lectures**

- “Diagnosis & Prevention of COVID-19, Challenges and Possible Solutions” webinar on May 24, 2021, organized by Department of Medical Laboratory Technology, Amity Medical School, Amity University Haryana (AUH), Gurugram, INDIA
- “Career options in USA/foreign Universities” International webinar on Anandam Divas, December 07, 2020, organized by Department of Chemistry, Mohanlal Sukhadia University in collaboration with Govind Guru Tribal University Banswara and Brahma Kumari World Spiritual University Mount Abu, Rajasthan, India
- “Career opportunities in Indian & Foreign Universities for Microbiology Students” Two Day International Career Development Workshop on October 1, 2020, organized by the Department of Microbiology, SRCASW, University of Delhi, India.
- Cancer Awareness: Causes, Symptoms, Diagnosis and Solutions on August 23, 2020, Neurotherapy week, organized by Sewa foundation, A complete health solution, New Delhi, India.
- “Role of claudin-3 in Inflammatory Bowel Disease (IBD) and associated cancer” Post Doc rising star lecture November 01, 2018, at Department of Biochemistry & Molecular Biology, University of Nebraska Medical Center, Omaha, NE, USA

### **Invited as an Examiner**

- External Examiner for Practical examination at Department of Biochemistry, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, Delhi-110086 (July 12, 2023)
- External Examiner for Practical examination at Department of Biochemistry, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, Delhi-110086 (February 22, 2023)
- External Examiner for Practical examination at Department of Biotechnology and Microbiology, KVSCOS, Swami Vivekanand Subharti University, Meerut, Uttar Pradesh, India. (May 31, 2023)

- External Examiner for Practical examination at Division of Life Sciences, School of Basic & Applied Sciences (SBAS), Galgotias University, Greater Noida, Uttar Pradesh, India. (June 2, 2023)

### **Extra-Curricular Activities**

Participated in various competitions like essay writing, Debates in English/Hindi/Urdu languages competitions.

1. **First prize** for Essay writing competition and Speech on “**Communal Harmony**” during “Communal Harmony Campaign Week” from 19<sup>th</sup> to 25<sup>th</sup> November, 2011, conducted by National Foundation for Communal Harmony (NFCH), Ministry of Home Affairs, Govt. of India and All India Institute of Medical Sciences (AIIMS), New Delhi, India
2. **First prize** for Essay writing competition on “**Importance of Discipline**” September 14<sup>th</sup> , 2011 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
3. **First prize** for *Shrutlekh Protiyogita* (Heard writing competition) September 14<sup>th</sup> , 2012 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
4. **Second prize** for Debate competition on **Right to Information Act**, September 14<sup>th</sup>, 2012 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
5. **Second prize** for Essay writing competition on “**Commonwealth Games-2010 in India**” on September 14<sup>th</sup>, 2010 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
6. **Protsahan Puruskar** (Incentive Prize) for Debate competition on “**Importance of Dress code in Institute**” September 14<sup>th</sup>, 2010 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
7. **Protsahan Puraskar** (Incentive Prize) for Hindi to English translation competition or Vice versa, September 14<sup>th</sup> , 2011 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
8. **Protsahan Puraskar** (Incentive Prize) for Essay writing competition on “**Role of private hospitals in health sector**” September 14<sup>th</sup> , 2012 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India

9. **Protsahan Puruskar** (Incentive Prize) for Debate competition on **“Brain Drain”** September 14<sup>th</sup>, 2011 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
10. **Protsahan Puruskar** (Incentive Prize) for **Shrutlekh Pratiyogita** (Heard writing competition) on September 14<sup>th</sup> , 2011 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
11. **Protsahan Puruskar** (Incentive Prize) for **Shrutlekh Pratiyogita** (Heard writing competition) on September 14<sup>th</sup> , 2010 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
12. **Protsahan Puruskar** (Incentive Prize) for **Shrutlekh Pratiyogita** (Heard writing competition) on September 14<sup>th</sup> , 2009 conducted by All India Institute of Medical Sciences (AIIMS), New Delhi, India
13. I write poems in Hindi and Urdu. Some of them have been published in Magazine (Endeavor-2009). A annual magazine of Society of Young Scientists (Estd. 1974), Pg-18 & Pg-21, Endeveavor-2009

### **Community related work or outreach program**

1. Organized **“Free Health Check up Camps”, “Awareness Programs-Health & Education”, and “Talent search programs”** as an Organizing Secretary in resource limited areas and other places of country with Non-Government Organizations and other associations.
  - Free health checkup camp and Inauguration Ceremony of Guru Nanak Hospital at Village- Bhikhi Khatra, Rara Sahib, Dist- Ludhiana, Punjab, INDIA November 2013
  - Free health checkup camp and awareness program at Village- Dadar, P.S.- Goh, Dist.- Aurangabad, Bihar, INDIA 01.05.13 (Wednesday)
  - Free health checkup camp and awareness program at Village- Dadar, P.S.- Goh, Dist.- Aurangabad, Bihar. INDIA, 04.03.12 (Sunday) with collaboration of *Gram Panchayat* Dadar.
  - Free health checkup camp at O-1, Sector-12, NOIDA, Gautam Budh Nagar– 201301, NCR, Delhi, INDIA on September 18th, 2011, with collobaration of Residents Welfare Association, O-1, Sector-12, NOIDA

- Free health checkup camp and talent search program at Village- Magorra, P.S.- Magorra, Dist.- Mathura, Uttarpradesh, INDIA, May 2009

### **Leadership**

- I have led the Student Union of Life Sciences, Khandari campus, Dr. B. R. Ambedkar University, Agra, INDIA (Session-2003-2004) as a **President of Student Union**.
- M.Sc. Class Representative of Department of Biochemistry, Dr. B.R. Ambedkar University, Agra, Uttar Pradesh, India
- Founder President of “*Gaon, Garib aur Shiksha Bachao Abhiyan*” a social organization to help poor and needy persons of rural/resource limited area.

### **Sports Activities**

2. I participated in Intra Institutional cricket tournament- January 23<sup>rd</sup> - February 23<sup>rd</sup>, 2011, conducted by Society of Young Scientists (SYS) at All India Institute of Medical Sciences, New Delhi. I was the **Vice Captain** of tournament runner’s up team.
3. I was awarded as a **Best fielder** of the cricket tournament held on January 23<sup>rd</sup> - February 23<sup>rd</sup>, 2011, conducted by Society of Young Scientists (SYS), AIIMS, New Delhi,
4. I participated in Intra Institutional Chess tournament- 2013 and 2011 conducted by Society of Young Scientists (SYS) at All India Institute of Medical Sciences, New Delhi, India.
5. I have participated in **Delhi Half Marathon** (21.097 Kilometers) 21 November 2010 and completed on time.
6. I participated in the Inter Institutional cricket tournament-2009 conducted by National Institute of Immunology (NII), Aruna Asaf Ali Marg, New Delhi. I was a member of the tournament runner’s up team from AIIMS.

### **Languages Known**

English, Hindi, Urdu, Punjabi & Brij Bhasha



Signature of the Candidate