

PRAVEEN KUMAR TRIPATHI (Ph.D., PGD-IPR Law)

**SCIENTIST “B” ICMR-NIMR, FU
RANCHI, JHARKHAND, INDIA.**

Past- Postdoctoral Fellow

Houston Methodist Hospital, TX, USA

Email: tripathi.pk@icmr.gov.in

tripathipraveen2010@gmail.com

Contact: (+91)9873625228

-
- Seven plus years of active biomedical research with publications in reputed journals.
 - Experience in techniques of protein purification, biophysics, structural biology and biochemistry.
 - Experience in animal models of ischemia reperfusion, asthma, chikungunya and streptococcal colonization in epithelial surface of oral cavity and vaginal lumen.
 - Experience in mammalian cell and virus culture.
 - Experience in inhibitor/drug testing, *in-vitro* and *in-vivo*.

Research Experience

1. Postdoctoral research experience- “Studying the interactions between human commensals and pathogenic bacteria” at Department Pathology and Genomic Medicine & Dept. of Infectious Diseases, Houston Methodist Hospital and Research Institute, Houston, TX (USA). (2020- 2022)
2. PhD research experience- “Evaluation of potential interceptors targeting non-structural proteins of Chikungunya virus” at Indian Institute of Technology, Delhi (India). (2015- 2020)
3. “Characterizing mouse model of asthma” at Institute of Integrative Biology (CSIR), New Delhi (India), under supervision of Dr. Anurag Agrawal. (January 2014 – May 2014)
4. “To study cardioprotective effect of Seabuckthorn pulp oil in experimental models of Myocardial infraction” at All India Institute of Medical Sciences, New Delhi (India), (2011)

Membership of Scientific society

- Membership, American Heart Association, USA. (Membership No. 000292717808)
- Early stage membership, World Society of Virology.
- Life membership, The Biotech Research Society, India. (Membership IDSM4542)
- Life membership, Bioinformatics and Drug Discovery Society, India. (Membership ID BIDD17-131)

Teaching Experience

- Teaching assistant to course “Introductory biology to engineers” (2016 to 2018) Indian Institute of Technology Delhi graduates.
- Teaching assistant to course “Introductory biology to engineers” (15.05.2017 to 30.06.2017) Indian Institute of Technology Jammu graduate students with a remuneration amount of 12,500/- INR.

Intellectual Property Rights Law

- PG Diploma in Intellectual Property Rights Law from Indian Academy of International Law & Diplomacy, New Delhi, with percentage of 70.83, (2014-2015).

Publications

1. Screening and evaluation of approved drugs as inhibitors of main protease of SARS-CoV-2; Praveen Kumar Tripathi[#], Saurabh Upadhyay[#], Manju Singh[#], Siva Raghavendhar, Mohit

- Sharma, Ashok Kumar Patel*. *Int. J. Biol. Macromol.* 164 (2020), 2622–2631.
2. Evaluation of medicinal herbs as a potential therapeutic option against SARS-CoV-2 targeting its main protease; Saurabh Upadhyay[#], Praveen Kumar Tripathi[#], Manju Singh[#], Siva Raghavendhar, Mohit Sharma, Ashok Kumar Patel*. *Phytother. Res.* 34(12) (2020) 3411-3419.
 3. Role of nuclear localization signals in the DNA delivery function of Chikungunya virus capsid protein. N Gaurav, PK Tripathi, V Kumar, A Chugh, M Sundd, AK Patel. *Archives of Biochemistry and Biophysics* 702, 108822.
 4. In-silico and biophysical investigation of bimolecular interaction between Naringin and Chikungunya nsP2; Praveen Kumar Tripathi[#], Jasdeep Singh[#], Nitika Gaurav, Dushyant Garg, Ashok Kumar Patel*. *Int. J. Biol. Macromol.*, 160 (2020), 1061-1065.
 5. Evaluation of novobiocin and telmisartan for Anti-CHIKV activity; Praveen Kumar Tripathi, Anjali Soni, Shiv Pratap Singh Yadav, Ankit Kumar, Nitika Gaurav, Siva Raghavendhar, Pradeep Sharma, Sujatha Sunil, Ashish, Bhyravabhotla Jayaram, Ashok Kumar Patel*. *Virology* 548 (2020) 250-260.
 6. *In silico* Analysis of New Potent Anti-hyperglycemic Molecule for Diabetes Type 2 Management; Kritika Singh, Praveen Kumar Tripathi, Vinay Kumar Singh, Ashok Kumar Patel, O. N. Srivastava, S. K. Singh*, Arvind M. Kayastha*. *Int J Pept Res Ther*, 26 (2020) 1031–1042.
 7. Evaluation of medicinal herbs for Anti-CHIKV activity; Siva Raghavendhar, Praveen Kumar Tripathi, Pratima Ray, Ashok Kumar Patel*. *Virology*, 533 (2019), 45–49.
 8. Public Health Implications of IPR Policies in Pharmaceutical Industry with Special Reference to India; Binita Angom, Prabhakar Maurya, Praveen Kumar Tripathi. *GGGI Management Review*, 6 (2016), 31-37.

Awards/Honors/Fellowships

- Travel awarded provided by International Society for Antiviral Research, USA, CSIR, New Delhi, India, and Indian Institute of Technology Delhi, to attend International conferences.
- Qualified GATE- 2014 and 2015, Qualified ICMR-JRF 2014, 2015 and awarded JRF/SRF.
- Awarded Prof Gurbaksh Singh Fellowship (2012-13); Jean and Ashit Ganguly Fellowship (2013-14), Dr. B.R. Ambedkar center for biomedical research, University of Delhi.
- Best Student Award - 2012, Bhaskaracharya College of applied sciences, University of Delhi, New Delhi.
- Excellent extra-curricular record with many first, second and third prizes at inter-university, inter-college and intra-college levels in Poetry, Debate, Extempore, Creative writing etc.
- Attended multiple training, courses and seminars and presented posters and oral talks in India and abroad.