

Personal Details	<b>NEERAJ PALIWAL</b>
Academic Qualifications	<ol style="list-style-type: none"> <li><b>1. Master of Science (Medical Science) in Medical Genetics:</b> University of Glasgow, Glasgow, UK.</li> <li><b>2. Master of Pharmacy (M. Pharm) in Pharmaceutical Biotechnology:</b> The TamilNadu Dr. M.G.R. Medical University, Chennai, INDIA.</li> <li><b>3. Bachelor of Pharmacy (B. Pharm):</b> The TamilNadu Dr. M.G.R. Medical University, Chennai, INDIA.</li> <li><b>4. Diploma in Pharmacy (D. Pharm):</b> University of Rajasthan, Jaipur, INDIA.</li> </ol>
Administrative Duties	<ul style="list-style-type: none"> <li>• Course Coordinator (currently for Cosmetics &amp; Toiletries PPTC 6470211)</li> <li>• Course Co-coordinator (currently for Microbiology PPTC 6410301)</li> <li>• Convener - FOP Academic Planning and Assessment Committee</li> <li>• Had been a member of 8 other faculty and university committees so far</li> <li>• <b>Developed and maintaining AIMST University's Microbial Culture Bank with 12 bacterial ATCC Strains</b></li> </ul>
Publications (last 5 years)	<ul style="list-style-type: none"> <li>• Upadhyay DK, Manirajan Y, Iqbal MZ, Paliwal N, Pandey S. A survey on medical, dental, and pharmacy students' knowledge, attitude, and practice about hepatitis B infection in a private medical University of Malaysia. <i>J Res Pharm Pract</i> 2020;9:128-34. DOI: 10.4103/jrpp.JRPP_20_8</li> <li>• Fuloria S, Ru CS, <b>Paliwal N</b>, Karupiah S, Sathasivam K, Singh S, Gupta K, Fuloria NK. Response of biogenic zinc oxide nanoparticles against periimplantitis triggering non periodontal pathogen. <i>Int. J. Res. Pharm. Sci.</i>, 2020; 11(3), 3889-3896. DOI: <a href="https://doi.org/10.26452/ijrps.v11i3.2573">https://doi.org/10.26452/ijrps.v11i3.2573</a></li> <li>• Veerasamy R, Sumitha S, Cheah YN, Ooi YX, Kiew YU, <b>Paliwal N</b>, Adnan Ali Shah S, Tripathy M. Durian waste mediated green synthesis of zinc oxide nanoparticles and evaluation of their antibacterial, antioxidant, cytotoxicity and photocatalytic activity. <i>Green Chemistry Letters and Reviews</i>, 2020; 13(2), 102-116.</li> <li>• Fuloria NK, Ko MY, Rui CS, Hang CZ, Karupiah S, <b>Paliwal N</b>, Kumari U, Gupta K, Sathasivam K, Fuloria S. Green Synthesis and Evaluation of <i>Dimocarpus longan</i> Leaves Extract Based Chitosan Nanoparticles against Periodontitis Triggering Bacteria. <i>Asian J Chem</i>, 2020; 32(7), 1660-1666.</li> <li>• Fuloria S, Hong OJ, Kim CB, Ting BYS, Karupiah S, Paliwal N, Kumari U, Sathasivam K, Vetrivelvan S, Fuloria NK. Synthesis of silver nanoparticles of corn silk agrowaste and their bioactivities. <i>Asian J. Chem.</i>, 2020, 32(6), 1497-1504.</li> <li>• Veerasamy R, Sethu V, Shalini S, Syed Adnan Shah, Tripathy M, <b>Paliwal N</b>. Green synthesis, characterization, antibacterial, antioxidant and photocatalytic activity of <i>Parkia speciosa</i> leaves extract mediated silver nanoparticles. <i>Results in Physics</i>, 2019;15:102565. DOI: <a href="https://doi.org/10.1016/j.rinp.2019.102565">https://doi.org/10.1016/j.rinp.2019.102565</a></li> <li>• Sikarwar MS, Szeek CK and <b>Paliwal N</b>. Pharmacognostical, phytochemical, antioxidant and antimicrobial activity of <i>Costus woodsonii</i> (2019) <i>Edelweiss Appli Sci Tech</i> 3: 53-59. DOI: <a href="https://doi.org/10.33805/2576-8484.168">https://doi.org/10.33805/2576-8484.168</a></li> <li>• Jocelyn Choo Wei Ching, <b>Neeraj Paliwal</b>, Nabila Perveen, Naeem Hasan Khan. Phytochemical analysis, antibacterial and antioxidant activity determination of <i>Piper nigrum</i>. <i>European Journal of Pharmaceutical and Medical Research</i>, 2019;6 (10):59.</li> <li>• Mukesh S. Sikarwar, Loh Chye Wei, <b>Neeraj Paliwal</b>. Pharmacognostical,</li> </ul>

	<p>Phytochemical, Antioxidant and Antimicrobial Activity of <i>Hedyotis hedyotide</i>. <i>Reports on Global Health Research</i>, 2019;2 (1):1. DOI: 10.29011/RGHR-108.100008</p> <ul style="list-style-type: none"> <li>• Hwa CY, Perveen N, <b>Paliwal N</b>, Khan NH. Phytochemical screening, antimicrobial and antioxidant activity determination of <i>Trigonella foenum-graecum</i> seeds. <i>Pharm Pharmacol Int J</i>, 2019;7(4):175.</li> <li>• Fuloria S, Fuloria NK, Yi CJ, Khei TM, Joe TA, Wei LT, Karupiah S, <b>Paliwal N</b>, Sathasivam K. Green synthesis of silver nanoparticles blended with <i>Citrus hystrix</i> fruit juice extract and their response to periodontitis triggering microbiota. <i>Bulletin of Environment Pharmacology and Life Sciences</i>, 2019;8 (7):112.</li> <li>• <b>Paliwal N</b> and Paliwal K. A brief insight on Duchenne Muscular Dystrophy (DMD): A short review. <i>Rapports de Pharmacie</i>, 2018;4 (2):450.</li> <li>• Chun Xian Yi, Jayaraja Kumar, <b>Neeraj Paliwal</b>. Development and evaluation of Poloxamer based nanogel of Rutin by using Simplex-Lattice Mixture Design. <i>Rapports De Pharmacie</i>. 2018;4 (2):462.</li> <li>• Prajapati SK, Iqbal DM, Sahu VK, Akram W, Verma MK, <b>Paliwal N</b>, Tahir M, Mohiuddin SG &amp; Ahmed MU. Student's Health Status in a private university of Malaysia: A Cross-sectional Study. <i>Value in Health</i>, 2017;20:A380.</li> <li>• Kavya Sangu, P. Vasanth Raj, <b>Neeraj Paliwal</b>, K. Venkateskumar, Rohini Karunakaran. Phylogenetic analysis of cold shock proteins in <i>Pseudomonas</i> species. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i>, 2016;8(8):397-398.</li> <li>• <b>Neeraj Paliwal</b>. Duchenne Muscular Dystrophy (DMD): A Monogenic Disorder. <i>AIMST e-Bulletin</i>, 2016; 2(1):12.</li> <li>• <b>7 Issues of AIMST e-Bulletin as Graphics Editor (2015 – 2017)</b></li> </ul>
On-going Research	<ul style="list-style-type: none"> <li>• Antisense Oligonucleotides and CRISPR/Cas9-Mediated Genome Editing in DMD</li> <li>• A systematic review of clinical development of oncolytic viruses for NSCLC</li> <li>• Clinical trial updates on SARS-COV-2 vaccines</li> </ul>
Completed Research	<ul style="list-style-type: none"> <li>• Investigating clinical progress and roles of oncolytic viruses for the treatment of Lung Cancer</li> <li>• Investigating genetic interventions for the treatment of Duchenne Muscular Dystrophy (DMD)</li> <li>• Investigating recent developments in the field of cancer immunotherapy</li> <li>• Critical analysis of clinical trials on selective therapeutic interventions for the treatment of DMD</li> <li>• Investigating selective potential pipeline products for the treatment of Lung Cancer</li> <li>• Concomitant genetic aberrations in Breast Cancer – A Review</li> <li>• Advancements in Biological Interventions for targeting Duchenne Muscular Dystrophy (DMD) - A Clinical Update</li> <li>• A systematic review of concomitant genetic aberrations in Non-Small Cell Lung Cancer</li> <li>• Investigational Agents for Alzheimer's disease: A Clinical Update</li> <li>• Epidemiological Status of Pancreatic Cancer in Malaysia</li> <li>• Malaysian perspective of Rabies and its potential usage in Cancer therapy</li> <li>• Investigating potential molecular targets for the development of ZIKA vaccine</li> </ul>

	<ul style="list-style-type: none"> <li>• Evaluation of current approaches for gene therapy of Duchenne Muscular Dystrophy (DMD)</li> <li>• Rational Combinatorial Gene Therapeutics for the treatment of Acute Myeloid Leukaemia (AML)</li> </ul>
Awards	Received <b>Best Paper Award</b> at <b>57<sup>th</sup> Indian Pharmaceutical Congress (IPC)</b> , Hyderabad, India.
Professional Membership	<ul style="list-style-type: none"> <li>• The Genetics Society, UK. (P0004344)</li> <li>• International Society for Infectious Diseases (ISID), WHO</li> <li>• American Society of Gene and Cell Therapy (ASGCT), USA.</li> <li>• American Association of Pharmaceutical Scientists (AAPS), USA.</li> <li>• International Committee on Taxonomy of Viruses (ICTV)</li> <li>• European Federation of Biotechnology (EFB)</li> <li>• Association of Pharmacy Professionals (APP), India. (APP/RJ/LM-008/12)</li> <li>• Association of Pharmaceutical Teachers of India (APTI), India. (APTI/ PU/LM-107)</li> <li>• Registered Pharmacist under Rajasthan Pharmacy Council (RPC), India. (15247)</li> </ul>
Supervision	18 Undergraduate students so far
Teaching	<ul style="list-style-type: none"> <li>• Basic Concept in Pharmaceutics (<b>MSc – Pharmacy</b>) – Co-lecturer</li> <li>• Introduction to Pharmaceutical Chemistry (FARM 351111) (<b>MSc – Pharmacy</b>) – Co-lecturer</li> <li>• Basic Pharmaceutical Chemistry and Phytopharmacy (FARM 351111) (<b>MSc – Pharmacy</b>) – Co-lecturer</li> <li>• Pharmaceutical Biotechnology (PPTC 6460309) – <b>Course Coordinator</b> &amp; Co-lecturer</li> <li>• Pharmaceutical Biotechnology (FARM 33146) – <b>Course Coordinator</b> &amp; Co-lecturer</li> <li>• Microbiology (PPTC 6410301) – Co-lecturer</li> <li>• Microbiology (FARM 31124) – <b>Course Coordinator</b></li> <li>• Immunology (PPTC 6420302) – Co-lecturer</li> <li>• Immunology and Applied Microbiology (FARM 32126) – <b>Course Coordinator</b> &amp; Co-lecturer</li> <li>• Dosage Form I (FARM 32141) – <b>Course Coordinator</b> &amp; Co-lecturer</li> <li>• Dosage Form II (FARM 32143) – Co-lecturer</li> <li>• Cosmetics &amp; Toiletries (PPTC 6470211) – <b>Course Coordinator</b></li> <li>• Cosmetics &amp; Toiletries (FARM 33113) – Co-lecturer</li> <li>• Good Manufacturing Practices and Quality Control (FARM 34149) – Co-lecturer</li> <li>• Physical Pharmaceutics (PPTC 6430404 &amp; FARM 32142) – Co-lecturer</li> <li>• Anatomy &amp; Physiology (PIMC 6410301) – Co-lecturer</li> </ul>
Areas of Expertise	<ul style="list-style-type: none"> <li>• Cytogenetics and gene therapy for monogenic disorders (DMD, BMD)</li> <li>• Development of Cancer Immuno-nanotherapeutics, oncolytic viruses, stem cells and gene therapy</li> <li>• Antimicrobial studies for natural and synthetic products</li> </ul>
Contact Details	<a href="mailto:neerajpaliwal@aimst.edu.my">neerajpaliwal@aimst.edu.my</a> & 1281 (Ext.)