

Faculty Profile

Faculty Name	Piyush Vatsha
Designation	Assistant Professor
Qualification	B. Pharm, M. Pharm (Pharmacology) PTU Main Campus (Govt. of Punjab)
Email	21vatshapiyush@gmail.com
Area of Interest	Neuropharmacology, Respiratory Pharmacology, Reproductive Pharmacology
Work Experience (Total)	1.3 Years
<ul style="list-style-type: none"> ● Teaching 	1.3 Years
<ul style="list-style-type: none"> ● Research 	1.0 Year (Including M. Pharm Project)
<ul style="list-style-type: none"> ● Project 	AIIMS, Punjab & AIIMS, New Delhi
<ul style="list-style-type: none"> ● Others 	Content Writing Services
Courses at Diploma/Post Diploma/ Under Graduate/ Post Graduate/Post Graduate Diploma Level	Pharmacology, Human Anatomy and Physiology, Pathophysiology
Membership of Professional Bodies	British Pharmacological Society & Indian Pharmacological Society
Research/Review Publications	
<ul style="list-style-type: none"> ● Research Papers UGC-CARE 	NA
<ul style="list-style-type: none"> ● Research Papers SCOPUS 	10
<ul style="list-style-type: none"> ● Research Papers WoS/SCI/ABDC 	03
<ul style="list-style-type: none"> ● Abstract Published (Conferences) 	02
Book and Chapter Publications	
<ul style="list-style-type: none"> ● Books Authored published by International Publishers 	04
<ul style="list-style-type: none"> ● Books Authored published by National Publishers 	02
<ul style="list-style-type: none"> ● Publication of Chapter in Edited Books 	02
<ul style="list-style-type: none"> ● Editor of Book by International Publishers 	NA
<ul style="list-style-type: none"> ● Editor of Book by National Publishers 	NA
<ul style="list-style-type: none"> ● Certifications 	DRA, PV, GCP & Clinical Pharmacology (NIH)

<ul style="list-style-type: none"> List of Book and Chapter Publications 	<p>Therapeutic Herbal Medicines against Amyotrophic Lateral Sclerosis (ALS)".</p> <p>Acute Ischemic Stroke in COVID-19 Patients. (Accepted for Publication) in Taylor and Francis.</p> <p>Nova Science Publishers, Inc. (SCOPUS) for the book, "The Pulse of Cardiology".</p> <p>"Environmental Aspects of Biofuels used as Sustainable Energy Resources: Current Situation and Future Trends" accepted for publication in ELSEVIER publishing house, London, UK.</p> <p>"Modulation of Metabolic Pathways under Abiotic Stress in Plants." Accepted for publication in Scrivener Publishing-Wiley</p>
<ul style="list-style-type: none"> Patents 	<p>05</p>
<ul style="list-style-type: none"> Published 	<p>05</p>
<ul style="list-style-type: none"> List of published patents(s) 	<p>UK Patent Grant- App No. 6350201 Indian Patent- 202341055341 Indian Patent- 202311025104 Indian Patent- 202341025241 Indian Patent- 202341007274</p>
<ul style="list-style-type: none"> Filed 	<p>NA</p>
<ul style="list-style-type: none"> List of filed patent(s) 	<p>NA</p>
<p>Passion & Hobbies</p>	
<ul style="list-style-type: none"> Music 	<p>Professional Singer (Selected in SING DIL SE – Reality Show & Global India Music Academy)</p>
<ul style="list-style-type: none"> Instruments 	<p>Playing Musical Instruments like Piano and Harmonium</p>
<ul style="list-style-type: none"> YouTube 	<p>Own a MUSIC Category YOUTUBE Channel by the name "PIYUSH VEVO"</p>
<ul style="list-style-type: none"> Live Shows 	<p>More than 50 live shows and 30 recordings</p>
<ul style="list-style-type: none"> Research 	<p>From AIIMS(Punjab), AIIMS, (New Delhi) JRU (Ranchi)and MRSPTU(Punjab)</p>

<ul style="list-style-type: none"> ● List of Research/Review 	<ol style="list-style-type: none"> 1. “Potential Neuroprotective effect of Nicotinamide, A PARP inhibitor against Streptozotocin-induced Experimental Dementia of Alzheimer’s Type in Rats published in the World Congress on Controversies in Neurology, March 23-25,2023, in Dubrovnik, Croatia, Europe. 2. Duchenne Muscular Dystrophy; A Mechanistic Approach. 3. “Investigation of Antioxidants, Anti-diabetic and Antihyperlipidemic Activity of Vitex trifolia Seeds in “Diabetic Zebrafish Model”. 4. “Computational to experimental targeting natural drugs for multiple cancer treatment.” 5. Mechanism, Pathophysiology and Herbal Management – A Review on Irritable Bowel Syndrome” 6. Insights of Artificial Intelligence in Brain Disorder with Evidence of Opportunity and Future Challenges. 7. Manifestation of cAMP in the Pathophysiology of Dilated Cardiomyopathy. 8. Probiotics & Prebiotics ‘Role in Treating Constipation and Hemorrhoid Pain. 9. A Rigorous Analysis on the Pharmacological Properties, Extraction, Stabilization Method, and Nutritional Content of Wheat Germ Oil. 10. Evolving Novel Drug Targets for Type 2 Diabetes: A Mechanistic Approach towards- Success, Challenges and Opportunities. 11. Formulation and Evaluation of Stability indicating HPLC for simultaneous estimation of Drugs Pantoprazole and Thiethylperazine.
<p style="text-align: center;">Workshop/Trainings</p>	<p style="text-align: center;">02 DST Sponsored & Funded Workshop attended for 7 days at Chhattisgarh, Chennai.</p>

<ul style="list-style-type: none"> List of Trainings & Project 	<p>Hospital Training- 45 Days from Paras Global Hospital & Industrial Training from ALKEM Laboratories. Pvt.Ltd.</p> <p>Accomplished Research Project from one of the premier institutes in the country, All India Institute of Medical Sciences, Bathinda, Punjab, India.</p> <p>Research Project Title: To Understand Efficacy and Safety of Remdesivir and Favipiravir in COVID-19 Patients Through – A Systematic Review and Meta-Analysis.</p>
Awards & Honours	
<ul style="list-style-type: none"> List of Awards & Honours 	<p>Awarded 2nd Prize (National level) on the eve of National Pharmacovigilance Week CME events from the Department of Pharmacology, CDSIMER, and Karnataka, India and also from (DoPST), MRSPTU, Bathinda, Punjab.</p> <p>Awarded 2nd Prize (Silver Medal) in “TARANNUM 2021” held at MRSPTU, Bathinda, Punjab.</p> <p>Awarded by PGI Chandigarh for Organizing a Voluntary Blood Donation Camp.</p> <p>Awarded 2nd prize in an E-poster competition organized by Pulla Reddy Institute of Pharmacy on the Topic “Pre-clinical research and its regulation”.</p>
<ul style="list-style-type: none"> Technical Skills 	<p>Animal Handling: I have handling experience with rodents and mice, as well as an understanding of intraperitoneal, intravenous, subcutaneous, and retro-orbital animal dosage.</p> <p>Neurobehavioral techniques: Three-chamber sociability test, Morris water navigation task for learning and memory, elevated plus maze for anxiety-like behaviour, open field for locomotor and exploratory behaviour, Rota Rod and grip power for motor coordination, Actophotometer to measure locomotor activity (horizontal movements) of animals,</p> <p>Electroconvulsimeter used to study anti-convulsant activity through corneal electrodes provided.</p>

	<p>Software's: Maze Master Video tracking software, SPSS, RevMan software, Vigiflow software (used by CDSCO personnel to report the suspected ADR).</p> <ul style="list-style-type: none"> ▪ In-vivo Experiments. ▪ Zeta-sizer500series, Spray dryer, FTIR, Super Critical Fluid Extractor. ▪ Scientific data retrieval from Google Scholar, PubMed, Nature, Frontiers, ResearchGate, and ScienceDirect. ▪ Practical Knowledge of ICSR, Vigiflow, UMC and MedDRA.
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● Entrance Exams	● Status
GPAT 2019	Qualified with AIR 758
GPAT 2021	Qualified with AIR 391
CUCET PG 2020	Qualified with AIR 100
LPUNEST	Score- 56 (Qualified)
Principles of Clinical Pharmacology (NIH)	Score- 85% (Qualified)

Invited lectures/Resource Person/paper Presentation in Seminars/Conferences/full paper in Conference	
<ul style="list-style-type: none"> ● International (Abroad) 	01
<ul style="list-style-type: none"> ● International (Within Country) 	NA
<ul style="list-style-type: none"> ● National 	01
<ul style="list-style-type: none"> ● List of published papers /Abstract 	<p style="text-align: center;"> “Potential Neuroprotective effect of Nicotinamide, A PARP inhibitor against Streptozotocin-induced Experimental Dementia of Alzheimer’s Type in Rats published in the World Congress on Controversies in Neurology, March 23-25,2023, in Dubrovnik, Croatia, Europe </p>
Organizing National Conference/ International Conference /FDP/STTP	<p> Appreciated by All India Institute of Medical Sciences, Bathinda as an Organizer for Successfully Organizing Workshop-cum-conference on Pharmacovigilance and Medicine Safety by the ADR Monitoring Centre </p> <p> Appreciated by Himachal Pradesh Boxing Association as “MANAGER” Cultural Committee in the 4th Elite Men’s National Boxing Championship 2019. </p>
List of Conference /FDP/STTP committee	Conferences-04 Workshop- 03 FDP- 01
<ul style="list-style-type: none"> ● List of Social Contributions and Sports 	Engaged in Playing Cricket at Various Tournaments.