



**KRISHNA
VISHWA
VIDYAPEETH**

(Deemed to be University)

Knowledge • Innovation • Excellence



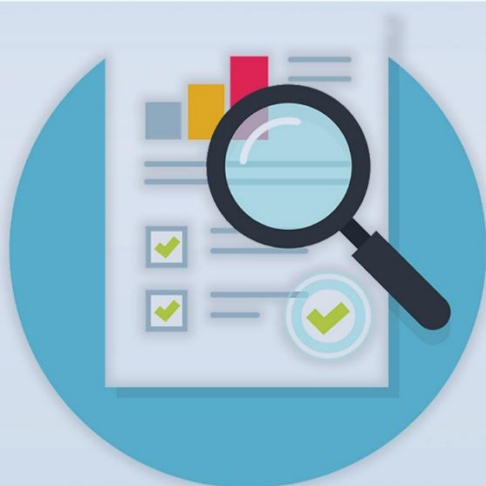
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KRISHNA INSTITUTE OF PHARMACY, KARAD

NIRF 2024 : 67th Rank, NIRF 2025 : Rank Band (102-125)



RESEARCH OUTPUT

(1st June 2025 - 31st May 2026)



Research Output at a Glance

Krishna Institute of Pharmacy,

Vishwa Vidyapeeth

(Deemed to be University) Karad.

Research output 1st June 2025 – 31st May 2026.

- Total number of research papers published: 161
- Scopus: 137 - Q1: 34, Q2:23, Q3:50, Q4:30
- Web of Science:70
- PubMed:25
- Patents Filed: 11
- Patents Published: 23
- Patents Granted: 04
- Registered designs: 02
- Registered copyrights: 20
- Highest Impact factor: Thomson Reuters /CA 12.5

List of Research Publications

Sr. No.	Manuscripts Titles	Authors/Co-authors Name	Name of the Journal
1.	Targeted Nanocarrier-Based Delivery of Erlotinib Using Poloxamer-Modified Dendrimers for Non-Small Cell Lung Cancer	Jyotiram Sawale (co-author)	Journal of Applied Bioanalysis
2.	Chromium picolinate enhances reproductive success and development in <i>Drosophila melanogaster</i> by reducing oxidative stress	Shivsharan B. Dhadde	Journal of Research in Pharmacy
3.	Design and synthesis of novel methylene bridged quinoline-1,2,3,4-tetrahydroisoquinolines as an antimicrobial agent	Dipak P. Mali	Journal of the Indian Chemical Society
4.	Network pharmacology and molecular docking-based investigation of <i>Calotropis gigantea</i> linn. leaf extract against vulvovaginal candidiasis	Vasundhara B Bhosale	Asian Journal of Pharmaceutical and Clinical Research
5.	Comparative study on monolithic zirconia and lithium disilicate	Anup Patil	Journal of Pharmacy and Bioallied Sciences
6.	Colloidal drug delivery systems for infectious diseases of skin.	Sopan Nangare	Current Opinion in Pharmacology
7.	Advances in Alzheimer's therapy: Exploring neuropathological mechanisms to revolutionize the future therapeutic landscape.	Sopan Nangare (co-author)	Ageing Research Reviews
8.	Efficient oral dosage forms for NSAIDS: Formulation and optimization of dispersible tablets.	Rutuja Gharal	Journal of Neonatal Surgery
9.	Green-synthesized hyaluronic acid-conjugated fluorescent graphene quantum dots for bioimaging and cancer	Sopan Nangare (co-author)	Journal of Fluorescence

	theranostics: Synthesis, characterization and cytotoxicity assessment.		
10.	Pharmacokinetics and Stability of Polymer-Encapsulated Drugs	Anand V. Desai	Journal of Polymer and Composites
11.	Oral Delivery of Lipid Nanosystem: Pharmacokinetics and Pharmacodynamic Advances	Omkar Salunkhe	Research Journal of Pharmacy and Technology
12.	Breathing New Life Nanomedicines for Pulmonary Drug Delivery: Targeting approaches, Experimental models, and Regulatory aspects	Sopan Nangare (co-author)	Beni-Suef University Journal of Basic and Applied Sciences
13.	Recent progress in polymeric nano-structures in photo-chemotherapy and hyperthermia therapy for triple-negative breast cancer treatment: A review.	Sopan Nangare (co-author)	International Journal of Biological Macromolecules
14.	Chromatographic, fluorescence, and electrochemical approaches for methotrexate detection: a comprehensive review	Sopan Nangare (co-author)	Microchemical Journal
15.	Stimuli-Responsive Graphene Quantum Dots-Capped Amine-Modified Wheat Cellulose Magnetic Fiber Nanocomposites for Targeted Curcumin Delivery in Breast Cancer	Sopan Nangare (co-author)	Cellulose
16.	Formulation of calcium-crosslinked zein-gellan gum nanoparticles for naringenin delivery: Stability, digestion simulation, and antioxidant evaluation	Sopan Nangare (co-author)	Cellulose Chemistry and Technology
17.	A HPLC Method Development and Validation for the Quantification of a potential Anthelmintic Drug Praziquantel	Madhuri M. Desai (co-author)	International Journal of Environmental Science

18.	Green Synthesis of Nanoengineered Pt-Doped Au Nanoparticles Using Punica granatum Leaf Extract for Enhanced Cytotoxicity Against SH-SY5Y Neuroblastoma Cells	Somnath Devidas Bhinge	ChemistrySelect
19.	PLAROsomes as a modified liposomes delivery system for Mimosa pudica L. extract: Augmenting anticancer potential against prostate and skin cancer cell lines	Somnath Devidas Bhinge (co-author)	Annales Pharmaceutiques Françaises
20.	Mimosa pudica-loaded nanoemugel: A promising topical system for skin cancer management	Somnath Devidas Bhinge (co-author)	Asian Journal of Pharmaceutical and Clinical Research
21.	Phytochemical and nanoparticle-based therapeutic potential of Sphaeranthus indicus against hepatocellular carcinoma via cryptomeridiol targeting	Somnath Devidas Bhinge (co-author)	Frontier in Oncology
22.	Bioengineered platinum-coated gold nanostars from Molluva spicata stem extract: evaluation of anticancer and diabetic wound healing potential	Somnath Devidas Bhinge (co-author)	Inorganic Chemistry Communication
23.	Repurposing Orlistatanalogues: A Ligand-Based Screening Approach using Morgan Fingerprints for Novel Therapeutic agents for Obesity	Swati Udugade (co-author)	Research Journal of Pharmacy and Technology
24.	Expanding arsenal against colorectal cancer using guar gum-based nanocarriers: A review	Amol S Shete (co-author)	International Journal of Biological Macromolecules
25.	Microwave-Assisted Synthesis and Optimization of Polyacrylamide-Grafted Ocimum Basilicum Mucilage Using 32 Factorial Design: Characterization and Functional Property Assessment	Akanksha Dashawant	ChemistrySelect

26.	FMWCNT–Chitosan Nanocarriers for Synergistic Delivery of Methotrexate and Quercetin in Rheumatoid Arthritis	Sarika J Patil	Chemistry Africa
27.	Nanoparticle-Mediated Delivery of Therapeutics for Blood Cancer Treatment: A Review of Recent Developments	Hemalata S Dol (co-author)	Journal of Chemical Reviews
28.	Chemistry, Molecular Mechanisms, and Therapeutic Potential of Curcumin in Cancer Therapy	Trupti Durgawale	Journal of Chemical Reviews
29.	Network Pharmacology and molecular docking-based exploration of Rubiaceae plants for breast cancer: Phytochemicals, preclinical studies, and regulatory perspectives.	Omkar Tipugade	Asian Journal of Pharmaceutical and Clinical Research
30.	Unveiling the cytotoxic potential of hylocereus costaricensis (F.A.C. Weber) britton and rose leaf: Phytochemical profiling and molecular docking insights.	Jyotiram Sawale (co-author)	Asian Journal of Pharmaceutical and Clinical Research
31.	Psyllium husk, carbohydrate polymer based novel plug-in capsule device for pulsatile release from meloxicam- β -cyclodextrin-pectin ternary complex	Sandhyarani R. Sagavkar (co-author)	Carbohydrate Research
32.	Global Divide in Carbapenem Resistance and Hypervirulence of Klebsiella pneumonia: Comparing Trends in India and Developed Nations.	Saloni V Koli	Journal of Antibiotics
33.	Advancing curcumin Applications in Hepatocellular carcinoma: Insights into Pharmacokinetics, Pharmacodynamics and Nanodelivery systems	Reshma Tanaji Mate	International Journal of Applied Pharmaceutics

34.	Nanotechnology-enhanced transdermal systems for infectious disease	Swati B. Udugade	Current Opinion in Pharmacology
35.	Exploring the Antiarthritic Potential of Caralluma fimbriata: Phytochemical Screening and Preliminary Observations in a Rat Model	Vishwajeet S Ghorpade (co-author)	Journal of Ethnopharmacology
36.	Demystifying the potential pharmaceutical attributes of corn silk: An agriculture bio waste	Snehal Patil (co-author)	Food and Humanity
37.	Network pharmacology-based toxicity, molecular docking, and molecular dynamics analysis of phytoconstituents from roots of Nerium indicum L	Anand Desai (co-author)	Pharmacological Research - Modern Chinese Medicine
38.	Thermoreversible Ionogel for Enhanced Nose-to-brain Delivery of Tetrabenazine Hydrochloride: Optimization by Central Composite Design and In Vitro Ex Vivo Evaluation	Namdeo Jadhav	AAPS PharmSciTech
39.	Multifaceted Computational Approach to Explore Nardostachys Jatamansi Neuroprotective Phytochemicals as Potential MAO-B Inhibitors for Parkinson's Disease.	Trupti Durgawale	Chemical Methodologies
40.	Development of bioactive isoxazole derivatives via ionic liquid catalysis: synthesis, characterization, and pharmacological evaluation	Swapnali Patil (co-author)	Research on Chemical Intermediates
41.	Advances in 3D-printed transdermal microneedle patches for antifungal therapy: Current scenario and challenges	Madhuri Desai (co-author)	Current Opinion in Pharmacology
42.	Nanoengineered biosensors: Advancing coronary artery	Sopan Nangare	Measurement: Journal of the International

	disease diagnosis with cutting-edge nanomaterials.		Measurement Confederation
43.	Scientific perspectives on Guillain-Barre Syndrome (GBS): A comprehensive review for sentience after early 2025 GBS outbreak in an Indian state.	Sarika J Patil	Journal of Applied Pharmaceutical Research
44.	Synthetic and Natural Polymer Composites in Wound Healing and Drug Delivery	Hemalata S. Dol	Journal of Polymer and Composites
45.	Thermosensitive and pH-Responsive Polymers for Smart Drug Delivery Systems	Jotsna M. Gandhi	Journal of Polymer and Composites
46.	Polysaccharide-Based Hydrogels for Sustained Drug Release in Pharmacology	Vishwajeet S. Ghorpade	Journal of Polymer and Composites
47.	Advances in Biodegradable Polymer-Based Drug Delivery Systems	Jadhav Namdeo R.	Journal of Polymer and Composites
48.	Self-Healing Polymer Composites for Pharmaceutical Packaging Applications	Pallavi S Karanje	Journal of Polymer and Composites
49.	3D-Printed Polymeric Drug Delivery Systems for Personalized Medicine	Anup A Patil	Journal of Polymer and Composites
50.	Microsphere and Nanoparticle Drug Delivery Systems: Role of Polymers in Pharmacology	Madhuri B Patil	Journal of Polymer and Composites
51.	Graphene-Polymer Nanocomposites for Drug Delivery Applications	Snehal Patil	Journal of Polymer and Composites
52.	Stimuli-Responsive Polymers for Drug Release in Targeted Therapy	Sandhya Sagavkar	Journal of Polymer and Composites
53.	Electrospun Nanofibers for Biomedical and Pharmacological Applications	Amol S Shete	Journal of Polymer and Composites
54.	Biopolymer-Based Nanocomposites for Oral Drug Delivery	Swati B Udugade	Journal of Polymer and Composites
55.	Controlled Release of Anti-Inflammatory Drugs from Biopolymer Matrices	Jyotiram Sawale (co-author)	Journal of Polymer and Composites

56.	Bioanalytical Method Development and Validation for Pharmacokinetic Study: Integrating Regulatory Perspectives	Monali M. Upare	Journal of Applied Bioanalysis
57.	Nisin-Incorporated Solid Lipid Nanoparticles-Based In Situ Ocular Gel Using Box-Behnken Design for Enhanced Antibacterial Activity: In Vitro-Ex Vivo-In Vivo Analysis.	Sopan Nangare (co-author)	Biopolymers
58.	Formulation of Ferric metal-organic Frameworks Stabilized Sea Buckthorn oil-based Silymarin Incorporated Pickering Nanoemulsion for Oral Squamous Cell Carcinoma Treatment.	Sopan Nangare (co-author)	Journal of Pharmaceutical Innovation
59.	Biosynthesis of Gold Nanoparticles Using Pomegranate (Punica Granatum L.): Optimization by 3 ² Factorial Design, and Evaluation of In Vitro Antibacterial, Antioxidant, Anti-Inflammatory, and Anticancer Activities	Swapnali Patil	Journal of Pharmaceutical Innovation
60.	In-silico evaluation of oxadiazole-based molecules for potential antifungal applications.	Ketaki S. Shinde	Rasayan Journal of Chemistry
61.	Formulation of folic acid-decorated β -cyclodextrin-based magnetic nanoparticles hybrid Nanotherapeutic for targeted delivery of chlorogenic acid.	Somnath Bhinge (co-author)	Journal of Drug Delivery Science and Technology
62.	ROS-driven, p53-mediated apoptosis in HepG2 cells induced by Blumea eriantha carbon quantum dots.	Somnath Bhinge (co-author)	Biomedical Materials (Bristol)
63.	Harnessing the neuroprotective potential of Pueraria tuberosa tuber through oxidative stress	Trupti Durgawale	Asian Journal of Pharmaceutical and Clinical Research

	modulation and anticonvulsant activity		
64.	Phytochemistry and Pharmacological Potential of <i>Bidens pilosa</i> : A Comprehensive Review	Shital A Shinde	Journal of Pharmaceutical Innovation
65.	Vitamin D-induced mechanisms in cancer prevention and therapy: Recent advances and future opportunities	Trupti Durgawale (co-author)	Animal Models and Experimental Medicine
66.	Harnessing Polymer Chemistry for Pharmaceutical Technology	Jisha Annie Geevarghese	Journal of Polymer and Composites
67.	Polymer Chemistry and Its Applications in Pharmaceutical Composite Formulations	Anuradha Niranjan Chivate	Journal of Polymer and Composites
68.	Polymer Chemistry-Driven Approaches for Improved Therapeutic Delivery	Jisha Annie Geevarghese	Journal of Polymer and Composites
69.	Development and characterization of polymeric nanosponges for enhanced solubility of quetiapine fumarate.	Sopan Nangare (co-author)	Particulate Science and Technology
70.	Formulation and Evaluation of Kamarkas (<i>Butea monosperma</i>) Gum-Stabilized Emu Oil-Based Pickering Nanoemulsion for Capsaicin Delivery: In Vitro and Ex Vivo Studies	Sopan Nangare	Journal of Polymers and the Environment
71.	Green Synthesis of Copper Nanoparticles from Pineapple Peel Dietary Fibers: Antibacterial, Antifungal, Antioxidant, and Antidiabetic Activities	Sopan Nangare	Journal of Macromolecular Science, Part B-Physics
72.	Fluorescent Metal Nanoclusters for Food Safety: Advances, Challenges, and Future Perspectives in Contaminant Detection	Sopan Nangare (co-author)	Food Chemistry
73.	Fabrication of advanced microneedle-based targeted	Sopan Nangare (co-author)	Methods

	intravaginal drug delivery devices: therapeutic opportunities, and translational challenges		
74.	Antioxidant Potential of <i>Ailanthus excelsa</i> Leaves: Ultrasonic Extraction, Phytochemical Screening, and Comparative Analysis of Metal Solution-Mediated Extracts	Trupti Pratik Durgawale (co-author)	Journal of Applied Organometallic Chemistry
75.	Optimization of Ionic Liquid Based NLC for Nose-To-Brain Delivery of Tetrabenazine Hydrochloride	Namdeo R. Jadhav	AAPS PharmSciTech
76.	Phyto-nanoemulsion for Skin Whitening: In silico Activity Prediction, Formulation Development and Cell Line Studies	Namdeo R. Jadhav	Research Journal of Pharmacy and Technology
77.	Comprehensive pharmacognostic and phytochemical profiling of <i>Tabernaemontana alternifolia</i> leaves: quantification of phenolics, alkaloids, flavonoids, and evaluation of aflatoxin and heavy metal contamination	Pallavi S. Karanje	Asian Journal of Pharmaceutical and Clinical Research
78.	Development and Characterization of Citric Acid-Crosslinked Carboxymethyl Tamarind Gum-Hydroxypropyl Methylcellulose Hydrogel Films	Vishwajeet S. Ghorpade	Next Research
79.	Antiulcer and laxative potential of polysaccharides from the ripe seed pulp of <i>Delonix regia</i> : A preliminary study	Vishwajeet S. Ghorpade	International Journal of Biological Macromolecules
80.	Comparative Analysis of DMF Filing Procedure and Regulatory Requirements in India, Brazil, and Canada	Saurabh Suresh Yadav	Indian Journal of Pharmaceutical Education and Research

81.	Neuroprotective Potential of Chromium-D-Phenylalanine: Insights from Molecular Docking, Dynamics and Rotenone-Induced Parkinsonism in Rats Research	Shivsharan B. Dhadde (co-author)	Biological Trace Element Research
82.	Molecular Docking Study of Glibenclamide, Curcumin and Glibenclamide-Curcumin Conjugate Against DPP-4 Protein	Madhuri M. Desai	International Journal of Drug Delivery Technology
83.	Vitamin C intake is a novel potential therapeutic approach in the secretion of adiponectin and in the treatment of abdominal obesity	Rohan S Phatak (co-author)	Caspian Journal of Internal Medicine
84.	Revolutionizing Wound Care: The Role of Nanotechnology and Biopolymer-Based Materials	Rohan S Phatak (co-author)	ACS Applied Bio Materials
85.	Customization of dextran-based advanced nanotherapeutics in glioblastoma multiforme management: Promises, progress, and prospects	Rajashri Gorad	International Journal of Biological Macromolecules
86.	Design of albumin-based nanotherapeutics for glioblastoma management: Biological barriers, targeting strategies, and translational perspectives	Dipali Salunkhe	International Journal of Biological Macromolecules
87.	MXene-biomacromolecule nanosystems as multifunctional platforms for drug delivery and wound healing: current challenges and future perspectives	Yogesh Sawant	Inorganic Chemistry Communications
88.	Analytical prospects of molybdenum oxide quantum dots: Emerging fluorescent platforms for food safety assessment	Sopan Nangare (co-author)	Microchemical Journal
89.	Lipid based nanoformulation for targetted delivery of	Bijoy Kumr Panda (co-author)	International Journal of Polymeric Materials and Polymeric Biomaterials

	newuroactives in migraine therapy		
90.	Unlocking Nature's Anti-Inflammatory Arsenal: An Extensive Overview of Bioactive Compounds in Coccinia Grandis and their Therapeutic Potential	S.B.Udugade	International Journal of Drug Delivery Technology
91.	In silico screening of bioactive compounds derived from Allium Sativum Against Hypertension	Akshada A. Koparde	International Journal of Drug Delivery Technology
92.	Radiology-Guided Drug Delivery Systems: Toxicological Safety and Clinical Applications in Modern Medicine	Rutuja Ramesh Gharal	International Journal of Drug Delivery Technology
93.	Novel Third Order Derivative UV-Spectrophotometric Method and Validation for Estimation of Ozenoxacin in Cream Formulations	Jyotiram Sawale (Co-author)	Research Journal of Pharmacy and Technology
94.	Topical β -Cyclodextrin Nanosponge-Based Gel for Dual Delivery of Baricitinib and Tenoxicam in Rheumatoid Arthritis Management	Akshada A. Koparde	International Journal of Drug Delivery Technology
95.	Central Sensitization and Pharmacological Interventions in Chronic Neuropathic Pain Syndromes	Vaishnavi A.Mane	International Journal of Drug Delivery Technology
96.	A Topical Emulsion Cream Containing Flaxseed (Linum Usitatissimum) Oil: Optimization and Evaluation	Vaishnavi A.Mane	International Journal of Drug Delivery Technology
97.	Quantitative Bioanalytical Evaluation of Imaging Biomarkers for Drug Delivery and Targeting Assessment in Diagnostic Radiology	Monali Dipak Jadhav	International Journal of Drug Delivery Technology
98.	Statistical Optimization and Pharmacokinetic Evaluation of Glibenclamide-Curcumin Nanosponges Prepared by	Madhuri M. Desai	Advanced Journal of Chemistry, Section A

	QuasiEmulsion Solvent Diffusion Technique		
99.	A Study to Assess the Association Between Knee Osteoarthritis and Selected Demographic Variables Among Adults Residing in Rural Area Karad Taluka	Madhuri M. Desai	International Journal of Drug Delivery Technology
100.	Exploring the Potential Anti-Hepatocellular Carcinoma Activity of Jatrorrhizine Through Network Pharmacology, Molecular Docking and Molecular Dynamics Simulation	Reshma Mate	Journal of Pharmaceutical Innovation
101.	Development of Capecitabine-Encapsulated PEG-PLGA Nanoparticles Using Double Emulsion Solvent Evaporation for Sustained Drug Release	Shraddha Vedpathak	Journal of Pharmaceutical Innovation
102.	Cubosomes: A Potential Targeted Drug Delivery System for an Anticancer Therapy	Prajakta Kakade	International Journal of Drug Delivery Technology
103.	Comprehensive intervention strategies in N-Methyl N-Nitrosourea-testosterone-induced prostate cancer: Exploring the multifaceted impact of dutasteride and docetaxel nanostructured lipid carriers on hormonal, oxidative, immunological and histological parameters	Anup Patil	Indian Journal of Physiology and Pharmacology
104.	AI and Machine Learning Enabled Early Detection of Alzheimer's Disease Using Neuroimaging Data	Anup Patil	International Journal of Drug Delivery Technology
105.	Unlocking the Therapeutic Potential of Momordica charantia Linn.: From Traditional Use to Modern	Ketaki Shinde	Journal of Natural Remedies
106.	Formulation and Evaluation of Polymeric Ornidazole Floating Microspheres: A Comprehensive Approach	Raghwendra R. Waghmode	Indian Journal of Pharmaceutical Education and Research

107.	Esogel Embrace: Unveiling the Potential of Esomeprazole in Situ Gel for Gastric Retention	Raghwendra R. Waghmode	Journal of Pharmaceutical Innovation
108.	Advances in Ocular Drug Delivery: In-Situ Gels versus Conventional Dosage Forms	Anuja Sanjay Patil	International Journal of Drug Delivery Technology
109.	Development and Characterization of Ranolazine-Loaded Solid Lipid Nanoparticles for Enhanced Angina Therapy	Somnath Devidas Bhinge	Indian Journal of Pharmaceutical Education and Research
110.	Telepharmacy and Medication Therapy Management Services: Impact on Medication Safety, Adherence, and Therapeutic Outcomes – A Narrative Review	Shirish Inamdar	International Journal of Drug Delivery Technology
111.	Hydrogel nanoparticles of retinol acetate via modified rapid expansion of supercritical solution: design, optimization, and anticancer evaluation	Jyotiram Sawale (Co-author)	Pharmaceutical Development and Technology
112.	In silico screening of bioactive compounds derived from Moringa oleifera Against SARS-CoV-2	Akshada A. Koparde	International Journal of Drug Delivery Technology
113.	In silico screening of bioactive compounds derived from Polyherbal Oil against Seborrhea dermatitis	Akshada A. Koparde	International Journal of Drug Delivery Technology
114.	Advanced Preclinical Assessment of Trichosanthes lobata Roxb. Extracts for Hepatoprotective and Antioxidant Activities in Albino Rats	Pratiksha Jadhav	International Journal of Drug Delivery Technology
115.	Phytoremediation of Heavy Metals Using Genetically Modified Plants	Swati Udugade (co-author)	International Journal of Drug Delivery Technology
116.	Advances in Nanocarriers for Targeted Drug Delivery: A Review	Amol Shete (co-author)	International Journal of Drug Delivery Technology
117.	Liposome-Based Drug Delivery Systems: Mechanisms and Applications	Anup Patil	International Journal of Drug Delivery Technology

118.	Dendrimer-Based Drug Delivery: Recent Developments and Challenges	Pratiksha Jadhav (co-author)	International Journal of Drug Delivery Technology
119.	Polymeric Nanoparticles for Drug Delivery: Design and Functionalization Strategies	Shirish Inamdar (co-author)	International Journal of Drug Delivery Technology
120.	Bioinspired Nanocarriers for Drug Delivery: A Computational Perspective	Monali Shewale	International Journal of Drug Delivery Technology
121.	Nanoemulsions as Drug Delivery Systems: Stability and Applications	Shivsharan B. Dhadde (co-author)	International Journal of Drug Delivery Technology
122.	Metallic Nanoparticles in Drug Delivery: Toxicity and Biodegradability Considerations	Amol Shete (co-author)	International Journal of Drug Delivery Technology
123.	Niosomes as Drug Carriers: Self-Assembly and Stability	Jisha Annie Geevarghese	International Journal of Drug Delivery Technology
124.	Floating Drug Delivery Systems: Principles and Challenges	Shirish Inamdar (co-author)	International Journal of Drug Delivery Technology
125.	Transdermal Drug Delivery: Enhancers and Penetration Mechanisms	Monali Shewale (co-author)	International Journal of Drug Delivery Technology
126.	Nanotechnology Based CRISPR Delivery Platforms in Therapeutic Genome Engineering,	Monali Upare	International Journal of Drug Delivery Technology
127.	Development and Validation of a Stability-Indicating Analytical Method for Dapagliflozin in Bulk and Pharmaceutical Dosage Form	Sukanya R. Mane (co-author)	International Journal of Drug Delivery Technology
128.	Formulation and Evaluation of Herbal Nagarmotha (Cyperus Rotundus) Shampoo	Manthan R. Jangam	International Journal of Drug Delivery Technology
129.	Phytochemical profiling, characterization, and antiviral evaluation of hydro alcoholic bark extract of Alstonia scholaris (L.) against DENV-2	Akshay Babanrao Kadam (co-author)	International Journal of Drug Delivery Technology
130.	Design and Evaluation of Saxagliptin-Loaded Mucoadhesive Microspheres Prepared by Ionotropic	Vishwajeet S. Ghorpade (co-author)	International Journal of Drug Delivery Technology

	Gelation Using <i>Tinospora cordifolia</i> and Sodium Alginate: A Statistical Optimization Study,		
131.	In-vitro α -Amylase Enzyme Inhibition Study of Polyherbal Asava Formulation,	Shital Shinde	Research Journal of Pharmacy and Technology
132.	Unveiling The Therapeutic Potential of <i>Nyctanthes arbor-tristis</i> Linn. In Breast Cancer: A Network Pharmacology and Molecular Docking Approach,	Omkar Tipugade	Fabad Journal of Pharmaceutical Sciences
133.	Antidiabetic Activity of <i>Asparagus Aethiopicus</i> L. Root Fractions in Streptozotocin-Induced Diabetic Rats and Activity-Guided Phytochemical Correlation,	Shivsharan B. Dhadde (co-author)	Journal of Pharmaceutical Innovation
134.	Application of QBD Approach in RP-HPLC method development for Simultaneous Estimation of metformin Hydrochloride, Sitagliptinphosphate and Dapagliflozin ropanediolmonohydrate	Monali Upare (co-author)	Rasayan Journal of Chemistry
135.	Phosphate and citric acid cross-linked modification of Jackfruit seed starch: Exploring disintegration efficiency and safety	Amol Shete (co-author)	Biomaterials Translational
136.	Cogrinding and Microwave-Assisted Cocrystallization of Aceclofenac-Paracetamol: A Dual Approach for the Modification of Physicochemical Properties.	Amol Shete (co-author)	Journal of Pharmaceutical Innovation
137.	Thiocolchicoside: A Focused Review of Its Pharmacological, Therapeutic, and Toxicological Profile	Amol Shete (co-author)	Cureus
138.	Effect of Polymer Crosslinking on Drug Release Kinetics	Somnath D. Bhinge	Journal of Polymer and Composites

139.	Harnessing Polymer Chemistry for Pharmaceutical Technology	Jisha Annie Geevarghese	Journal of Polymer and Composites
140.	Physicochemical characterization and antifungal efficacy of silver nanoparticles against Candida species.	Rohan S Phatak (co-author)	Asian Journal of Pharmaceutical and Clinical Research
141.	Advances in Polymer Chemistry for Zinc Oxide Nanoparticle-Based Composites in Moisture Sensing Applications	Rohan S Phatak (co-author)	Journal of Polymer and Composites
142.	Advanced Polymer-Based Packaging Composite with Metal Oxide Nanofillers: Synthesis, Characterization, and Applications	Rohan S Phatak (co-author)	Journal of Polymer and Composites
143.	Synthesis, Structural Analysis, and Antifungal Potential of Copper Oxide Nanoparticles against Candida Species	Rohan S Phatak (co-author)	Journal of Pharmacy and Bioallied Sciences
144.	Biochemical mechanisms of neem-based compounds in insect control	Anup Patil (co-author)	Journal of Entomological Research
145.	Evaluating the efficacy of new botanical insecticides under controlled conditions	Shivsharan Dhadde (co-author)	Journal of Entomological Research
146.	Role of plant secondary metabolites in developing environmentally safe pest management solutions	Pratiksha Jadhav (co-author)	Journal of Entomological Research
147.	Molecular mechanisms of pesticide resistance in insects: A review	Rutuja Gharal	Journal of Entomological Research
148.	Predicting pest outbreak patterns in response to global climate change	Jisha Annie Geevarghese (co-author)	Journal of Entomological Research
149.	Advances in fungal and viral pathogens for biological control of insect pests	Manisha Veer (co-author)	Journal of Entomological Research
150.	Environmental entomology: The impact of pesticides on non-target organisms	Amol Shete (co-author)	Journal of Entomological Research

151.	Developing smart insect traps using IoT and AI for automated pest monitoring	Swati Udugade (co-author)	Journal of Entomological Research
152.	Adaptation and evolutionary responses of insect pests to climate changes	Snehal S Patil (co-author)	Journal of Entomological Research
153.	Emodeling the impact of global warming on insect population dynamics and pest pressure	Shirish Inamdar (co-author)	Journal of Entomological Research
154.	Using RNA interference for targeted pest management: Challenges and future directions	Ranjeet Jadhav (co-author)	Journal of Entomological Research
155.	Biochemistry of cuticular hydrocarbons in social insects: Roles in communication and defense	Manisha Veer (co-author)	Journal of Entomological Research
156.	The pathophysiology of entomopathogenic fungi in coleopteran pests	Jisha Annie Geevarghese (co-author)	Journal of Entomological Research
157.	Monitoring the changing pest scenario in major grain crops: A longitudinal study	Pallavi Karanje (co-author)	Journal of Entomological Research
158.	Biotechnological approaches for enhancing biological control agents against crop pests	Monali Shewale (co-author)	Journal of Entomological Research
159.	Social insects as bioindicators of environmental health in urban landscapes	Akshaykumar Kadam (co-author)	Journal of Entomological Research
160.	Veterinary entomology: Strategies for managing arthropod parasites in livestock	Raghwendra R. Waghmode (co-author)	Journal of Entomological Research
161.	Medical entomology in the age of emerging infectious diseases: Mosquito-borne pathogens	Trupti Durgawale (co-author)	Journal of Entomological Research

Patent

Indian Patent Published			
Sr. No	Patent Application Number	Title of Invention	Name of Inventors
1.	202521087060	A process for isolation of inositol from <i>Nyctanthes arbortristis</i> Linn	Omkar Bharat Tipugade, Jyotiram Arjun Sawale, Namdeo Ramhari Jadhav, Poonam Vishal Patil
2.	202521087062	Process for the isolation of 5,3',5'-trihydroxy-7,4'-dimethoxyisoflavone 3-O-Rhamnoside from <i>Phyllanthus reticulatus</i> Poir. Leaf and product thereof	Ruturaj Abaso Khabale, Jyotiram Arjun Sawale, Omkar Bharat Tipugade, Namdeo Ramhari Jadhav, Poonam Vishal Patil
3.	202521092175	Modified sample containment apparatus and method for enhanced ultrasonic nanoemulsion formulation	Pramod Patil, Umesh Shivhare, Omkar Vijay Salunkhe, Anuja Nikam
4.	202521104713	pH-sensitive liposomes for the targeted delivery of an antifungal agent in fungal infection	Shraddha Dhananjay Patil, Swati B. Udugade
5.	202521104723	Chitosan-n-acetyl cysteine lyophilizate for pharmaceutical and agrochemical applications	Sourabh Gajanan Kothiwale, Amol Somanath Shete
6.	202521114715	A composition includes capecitabine and pegylated poly(lactic-co-glycolic acid) in the form of nanoparticle	Shraddha Kishor Vedpathak, Anuradha Niranjana Chivate, Chitra Chandrashekhar Khanwelkar, Niranjana Dattatray Chivate
7.	202521120952	Process for extraction of 6-hydroxydodecan-2-one from <i>Phyllanthus reticulatus</i> leaf and product thereof	Mrudula M. Mohite, Omkar G Jadhav, Kunal H. Patil, Jyotiram Arjun Sawale, Omkar Bharat Tipugade, Namdeo Ramhari Jadhav
8.	202521125469	Silver nanoparticles stabilising hydrogen peroxide with the conjugation of oleic acid and silver particles	Nikita Shankar Vaswade, Namdeo Ramhari Jadhav, Santosh Maruti Gejage
9.	202521129572	Process for extraction of 5,7-dihydroxy-2-(3,4,5,6-tetrahydroxyphenyl) chromenylium-3-O-rhamnoside from <i>Synedrella nodiflora</i> and product thereof	Poonam Vishal Patil, Jyotiram Arjun Sawale, Omkar Bharat Tipugade, Namdeo Ramhari Jadhav, Ruturaj Abaso Khabale
10.	202621001091	Hyaluronic acid coated metal organic framework loaded with anastrozole and method thereof	Abhijeet Prakash Patil, Namdeo Ramhari Jadhav

11.	202621006628	A formulation of Ocimum Basilicum mucilage and method thereof	Neha Ashok Pawar, Amol Somanath Shete, Mahesh Prakash Patil, Shraddha D Patil
12.	202621006625	A formulation of Hydrochlorothiazide and Hydroxypropylmethylcellulose Acetate Succinate and method thereof	Rutuja Kishor Patil, Amol Somanath Shete, Jyotsna Patil
13.	202621007506	A process for extracting nanovesicle from Anethum graveolens and its pharmaceutical utility	Vikrant A. Patil, Swati B. Udugade
14.	202621022637	A process for preparing resveratrol molecular complexes loaded electrospun nanofibers and its pharmaceutical utility	Amruta Dilip Shewale, Amol Somanath Shete, Swapnali Sachin Patil
15.	202521031310	Quercetin loaded ocular formulation includes polyvinyl alcohol, beta-cyclodextrin, hyaluronic acid	Snehal Dadasaheb Karche, Vishwajeet Sampatrao Ghorpade
16.	202521031251	A curcumin loaded topical hydrogel includes polyvinyl alcohol, carboxymethyl cellulose, citric acid	Ankita Anant Devalekar, Vishwajeet Sampatrao Ghorpade
17.	202521031248	An oral composition of Ibrutinib and the process thereof	Shraddha Dattatray Kadam, Madhuri Bhushan Patil
18.	202521027396	An ocular nano-emulsion of dasatinib and the process thereof	Richa Pravin Khadke, Amol Somnath Shete, Akanksha U. Dashawant
19.	202521031305	A topical composition of Acyclovir and the process thereof	Swapnil Sambhaji Chavan, Madhuri Bhushan Patil
20.	202521031246	A nasal composition of Olanzapine	Vaibhavshali Ravindra Kharade, Vishwajeet Sampatrao Ghorpade
21.	202521031249	An electrospun nanofiber of curcumin and ascorbic acid and the process thereof	Prasad P. Nalawade, Namdeo R. Jadhav, Akanksha U. Dashawant
22.	202521031247	A process for preparing cocrystals of abiraterone acetate through amino acid	Snehal Sambhaji Patil, Amol Somnath Shete
23.	202521031250	Solid oral unit dosage form of palbociclib and the process thereof	Anuj Rajendra Yadav, Namdeo R. Jadhav, Anjali Rajaram Pawar

Indian Patent Grant

Sr. No	Patent Grant Number	Title of Invention	Name of Inventors
1	568555	An herbal skin toner formulation and the method thereof	Akshaykumar Baban Kadam, Pankaj Shankar Kore, Pranita Hanmant Patil
2	571317	A process for preparing cocrystals of Lornoxicam through nicotinamide and floating tablet containing the same	Amol Somnath Shete, Nupoor Sunil Earram, Sumit Vilas Gholap, Snehal Sambhaji Patil

3	581281	A stable aspasomal composition of etoricoxib and the process thereof	Omkar Dadaso Mane, Madhuri Bhushan Patil
4	583557	A process for preparing stable food product of Vitamin D3	Jayant R Pawar, Komal Sawant, Pooja J Doshi, Ravindra Deshmukh, Swati Amit Choudhari, Sachin R Rondiya, Rohan Phatak, Amar Mohite, Kailas Datkhile, Arvind Shaligram, D. K. Agarwal

Indian Design Registered

Sr. No	Design Registration Number	Title of Invention	Name of Inventors
1	432495-001	Multiple separating funnel apparatus	Eshwari Jadhav, Sarang Karavate, Disha Sachdeo, Ranjit Jadhav
2	457533-001	Heating appartus	Tanmay Prakash Nikam, Sarang Mahendra Karavate, Sourabh Sambhaji Nalawade
3	493915-001	Steam inhaler	Saniya Ismail Mulla, Swaliya Riyaj Mujawar, Safiya Nadaf, Aspana Akbar Jamadar

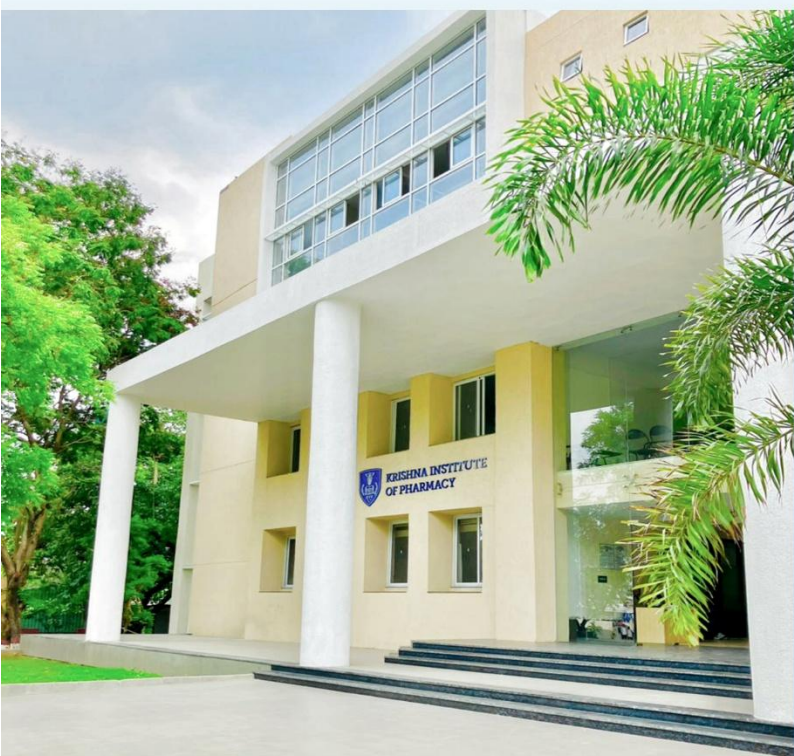
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Sr.No	Registration Number	Title	Inventors
1.	LD-20250169194	Artificial Intelligence in Pharmacy	Rinku Saha, Rohit Patil
2.	LD-20250169260	Patient Information Leaflet for "Inhaler" Use (English & Marathi Version)	Asmita Mohite, Sarika Manojkumar Amburle, Nupur Jitendra Patil, Bijoy Kumar Panda
3.	LD-20250169713	Transdermal Patches: A Recent Approach	Rohit Patil
4.	LD-20250170797	Adverse event reporting	Kailas Pise, Vishwajeet Ghorpade
5.	LD-20250170844	UTI Essentials: Understanding and Managing	Sanjana Kulkarni, Akshada Koparde
6.	LD-20250175028	Extrapyramidal Side Effects Associated with Anti Psychotics	Saloni Vaibhav Koli, Namdeo Jadhav, Jisha Geervarghese
7.	LD-20260185823	The Science of Anti-Aging: Formulation Strategies for Targeting Wrinkles and Fine Lines	Mahesh Patil
8.	LD-20260184462	Isolation, Characterization and computational Analysis of Bioactive Phytoconstituents from Selected medicinal plants for anticancer potential	Prakash Chavan, Jyotiram Sawale
9.	LD-20260184459	3D-Printed Drug Dosing.	Harshal Kanase, Yash Patil, Viraj Kashid
10.	LD-20260185816	3D-Printed Drug Delivery Devices: Revolutionizing Personalized Medicine	Harshavardhan Patil, Sudeep Kulkarni, Amol S Shete
11.	LD-20260185817	Innovation And Future Direction In Skin Care	Prajakta Autade, Amol S. Shete
12.	LD-20260185821	Identification of plant-based lead scaffold and their optimization for ACE	Shalini A. Shinde, Dipak P. Mali

		inhibition in hypertension management	
13.	LD-20260185822	Development and Characterization of Phytosome mediated drug-delivery of bioactive compounds in liver cancer therapy.	Sukanya Mane, Chitra C. Khanwelkar, Anuradha N. Chivate
14.	LD-20260186539	Data Integrity By ALCOA and ALCOA+ Principles	Yogesh Sawant, Sudeep Kulkarni, Amol S. Shete
15.	LD-20260184357	Biogenic Synthesis of Metal Nanoparticles using Tectaria Cicutaria and Exploration of its Therapeutic Potential	Nikita Vaswade, Namdeo R Jadhav
16.	LD-20260184368	Anti-Inflammatory Effect of Indigenous Herbal Extracts	Sanika Patil, Shruti Jadhav
17.	LD-20260184358	A Holistic Overview of Nyctanthes arbor-tristis Linn.: Phytochemicals, Ethnomedicine and Medicinal Uses	Omkar B.Tipugade, Jyotiram Sawale
18.	LD-20260185627	Comprehensive insights into nanostructured lipid carriers in hepatocellular carcinoma: drug development, composition, and research findings	Reshma Mate, Anuradha Chivate
19.	LD-20260185655	Blockchain in Pharma Supply Chain	Yash Patil, Harshal Kanase, Viraj Kashid
20.	LD-20260185654	Natural and Synthetic Polymers used for electrospinning for Wound Healing	Swapnali Patil, Yogita Prafull Kadam, Amol Shete, Chitra Khanwelkar

BOOK and BOOK CHAPTER

Sr. No	Name of the teacher	Title of the book/chapters published	Title of the proceedings of the conference	Name of the publisher
1.	Dr.Sopan nangare	Challenges and Limitations in Aptamer-Based Cancer Diagnosis and Therapy	Book: Biosensors and Aptamers: A New Era in Cancer Diagnosis and Treatment	Springer Nature
2.	Dr.Sopan nangare	Electrospun nanofibers based on silk sericin	Book: Science and Technology of Silkworm Sericin: Extractions, Modifications and Applications	Elsevier
3.	Mrs. S R Sagavkar	Postbiotic and metabolic signaling in colorectal cancer	Role of gut microbiota and postbiotic for colorectal cancer	Springer nature
4.	Mrs. Pratiksha P. Jadhav	Advances in drug research development	Behind the screens: COVID 19 and the mental health crisis among students in karad.	Prime
5.	Mrs. Madhuri M.Desai	EU and ICH guidelines for quality control Herbal drugs	Book Name: Current Applications of Nanobiomaterials, Volume 2	Deep Science Publishing
6.	Dr.Sopan Nangare	Nanotherapeutics for Cardiovascular Diseases Using Nanobiomaterials, 2026, 41-61.	Book Name: Targeted Nanotechnology	Publisher: Springer Nature
7.	Dr.Sopan Nangare	Phytomolecules Targeting Resistant Cancer Cells through Nano-Delivery Systems, 2025, 301-323.	BookNanotheranostics	CRC Press, Taylor
8.	Dr. Sopan Nangare	Smart Polymers in Theranostic Applications,	Smart Polymers in Theranostic Applications,	CRC Press, Taylor and Francies



**KRISHNA INSTITUTE OF PHARMACY
KRISHNA VISHWA VIDYAPEETH**

(Deemed to be University)

Malkapur, Karad,

Dist: Satara – 415539

(Maharashtra) INDIA.

☎ 02164-241555-8 (Extn.481),

🌐 www.kvv.edu.in

✉ contact@kvv.edu.in

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