

Name: Dr. Yogesh Vaishnav

Designation: Associate Professor



School: School of Natural Resources

Department: Department of Pharmacy

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Guru Ghasidas Vishwavidyalaya (A Central University)

Koni, Bilaspur, Chhattisgarh, India, 495009

Qualifications: B. Pharm., M. Pharm., Ph.D.

Area of Interest: Drug design and synthesis.

Specialization: Pharmaceutical Chemistry.

Experience: 14 Years

Awards & Honors:

- Best paper presentation award at School of studies in biotechnology, Pt. Ravishankar Shukla University, Raipur

List of Publications:**Research Papers:**

Sl. No	Title	Journal	ISSN/ISBN No.	Whether peer reviewed, impact factor if any	National / International
1.	Exploring novel Apalutamide analogues as potential therapeutics for prostate cancer: design, molecular docking investigations and molecular dynamics simulation.	Frontiers in Chemistry	ISSN. 2296-2646	SCI Scopus 3.8	International
2.	Azole and chlorine: An effective combination in battle against methicillin-resistance staphylococcus aureus (MRSA) and its SAR studies	Journal of Molecular Structure	0022-2860	SCI Scopus 4.0	International
3.	Recent developments of P-glycoprotein inhibitors and its structure–activity relationship (SAR) studies	Bioorganic Chemistry	1090-2120	SCI Scopus 4.5	International
4.	2D & 3D-QSAR Studies on a Series of Quinoline-Aminopiperidine Derivatives as Potent Mycobacterium DNAGyrase-B Inhibitors	International Journal of Pharmaceutical Sciences and Nanotechnology (IJPSN)	0974-3278	Scopus UGC	National
5.	Aminoquinoline Analogues as Potent Inhibitors of Mycobacterial DNA-GyraseB: 2D and 3D-QSAR Studies	Indian Journal of Heterocyclic Chemistry	(print) 0971-1627, (online) 2456-4311	SCI (0.9) Scopus	National
6.	Two-dimensional Ti3C2Tx MXenes as a catalyst support for the synthesis of 1,4-disubstituted-1,2,3-triazoles via azide-nitroalkene oxidative cycloaddition	Journal of Molecular Structure	Online ISSN: 1872-8014 Print ISSN: 0022-2860	SCI 3.8	International
7.	Multistep synthesis and screening of heterocyclic tetrads containing furan, pyrazoline, thiazole and triazole as antimicrobial and anticancer agents	Journal of Saudi Chemical Society	ISSN: 1319-6103	SCI 4.91	International
8.	Heterogeneous graphitic carbon nitrides in visible-light-initiated organic transformations	Green Chemistry	1463-9270	SCI 11.03	International

9.	Synthesis, Characterization, Molecular Modelling and Biological Evaluation of Substituted Benzo (h) Chromene-3-Carboxylate Derivatives as a Potential Agent for the Treatment of Hyperlipidemia	Indian Journal of Pharmaceutical Sciences	0250-474X (print); 1998-3743 (web)	SCI, 0.721	National
10.	Formulation and <i>In-vitro</i> evaluation of electrolyte effervescent tablet	Journal of medical and pharmaceutical allied sciences	2320-7418	Scopus	National
11.	2D QSAR analysis on substituted pyrrolidine derivatives as Dipeptidyl peptidase-IV inhibitors	Journal of Cardiovascular Disease	ISSN:0975-3583	Scopus	National
12.	3D QSAR analysis on substituted Cyano pyrrolidine derivatives as Dipeptidyl peptidase-IV inhibitors	Journal of Cardiovascular Disease Research	ISSN:0975-3583	Scopus	National
13.	Computational Method on Hydroxychloroquine and Azithromycin for SARS-CoV-2: Binding Affinity Studies	Research Journal of Pharmacy & Technology	0974-3618 (Print) 0974-360X (Online)	Scopus indexed UGC approved.	National
14.	3D QSAR analysis on quinoxaline derivatives as anti-malarial using K-nearest neighbour molecular field analysis	Indian Journal of Chemistry, Section B	ISSN: 0975-0983 (Online) ISSN: 0376-4699 (Print)	0.59	National
15.	Synthesis, molecular docking, and biological evaluation of Schiff base hybrids of 1,2,4-triazole-pyridine as dihydrofolate reductase inhibitors	Current Research in Pharmacology and Drug Discovery	ISSN: 2590-2571	SCI.	International
16.	Catalytic pyrolysis of ulva lactuca macroalgae: Effects of mono and bimetallic catalysts and reaction parameters on bio-oil up-gradation	Bioresource Technology	ISSN: 0960-8524	SCI 11.889	International
17.	PPAR gamma targeted molecular docking and synthesis of some new amide and urea substituted 1, 3, 4-thiadiazole derivative as antidiabetic compound	Journal of Heterocyclic chemistry	Online ISSN:1943-5193	Embase (Elsevier) 2.1	International
18.	QSAR Analysis of some N, N-diphenyl urea derivatives as CCR5 Receptor Antagonist.	Research Journal of Pharmacy and Technology	0974-3618 (Print) 0974-360X (Online)	Scopus indexed UGC approved.	National
19.	3D QSAR Analysis on 2piperidinopiperidinethiadiazole Derivatives as Histamine H3	Current Nanomedicine (Formerly: Recent Patents	ISSN: 2468-1881 (Online) ISSN: 2468-	Chemical Abstracts Service/SciFinder	International

	Receptor Inhibitors.	on Nanomedicine	1873 (Print)	0.37	
20.	An approach to design potent anti-diabetic agents by 3D QSAR studies on substituted thiadiazole derivatives using kNN –MFA methodology	Indian Journal of heterocyclic chemistry	print) 0971-1627, (online) 2456-4311	SCI Indexed 0.6	National
21.	Analytical method development and validation for the estimation of candesartan by derivative spectroscopy (first order and second order)	International journal of pharmaceutical sciences and research	ISSN: 0975-8232	SCI Indexed 1.81	National
22.	Synthesis and biological evaluation of 3-chloro 2- methyl phenyl carbamoyl substituted semicarbazone derivatives as potential anticonvulsant agents	International journal of Pharma sciences and research (IJPSR)	ISSN : 0975-9492	Google scholar	National
23.	SYNTHESIS OF SOME NOVEL 4-(4-CHLOROPHENYL)-6-p-TOLYL--PYRIMIDINE DERIVATIVES AND THEIR ANTICONVULSANT ACTIVITY	Acta Poloniae Pharmaceutica	0001-6837	SCI Indexed 0.877	International
24.	Synthesis and Evaluation of Some Novel Semicarbazone Derivatives for Anticonvulsant Activity and Antibacterial Activity	International Journal of Pharmaceutical & Biological Archives	ISSN 0976 – 3333	Index Copernicus-	National

Review article published:

Sl. No	Title	Journal	ISSN/ISBN No.	Whether peer reviewed, impact factor if any	National / International
1.	Point of care diagnostics using nanomaterials as detection probes	Research Journal of Pharmacy and Technology	ISSN/ISBN No. 0974-3618 (Print) 0974-360X (Online)	Scopus and UGC approved	National
2.	Development of Pharmacovigilance System in India and paradigm of pharmacovigilance research: an overview.	Current Drug Safety	ISSN (Print): 1574-8863 ISSN (Online): 2212-3911	Scopus 1.2	International

3.	Anti-tuberculosis activity and its structure-activity relationship (SAR) studies of oxadiazole derivatives: A key review	European Journal of Medicinal Chemistry	ISSN: 0223-5234	SCI 7.08	International
4.	A review on anti-diabetic activity of substituted 1,3,4-Thiadiazole derivatives	Research Journal of Pharmacy and Technology	0974-3618 (Print) 0974-360X (Online)	Scopus and UGC approved	National
5.	Anhydrous Nanoemulsion: An Advanced Drug Delivery System for Poorly Aqueous Soluble Drugs.	Current Nanomedicine (Formerly: Recent Patents on Nanomedicine)	ISSN: 2468-1881 (Online) ISSN: 2468-1873 (Print)	Scopus Service/SciFinder 0.37	International
6.	A review on drug designing, methods, its application and prospects	International journal of pharmaceutical research and development	ISSN: 0974-9446	Scopus 2.01	National
7.	Electrolytes effervescent tablets- A review	Journal of Cardiovascular Disease Research	ISSN:0975-3583	Scopus	National

Book Publications:

S.No	Book Title	Publication House	ISBN No.
01	A Text Book of Pharmaceutics-I	Dr. P.K Education, Raipur, C.G	978-93-94919-16-7
02	A Text Book of Medicinal Chemistry	Dr. P.K Education, Raipur, C.G	978-93-94919-24-2
03	A Text Book of Pharmaceutical Marketing Management	Dr. P.K Education, Raipur, C.G	978-93-94919-58-7

Patents:

S.No	Patent Title	Patent No.	Award Date	Agency	Status
1.	A method for designing and synthesizing compounds exhibiting DPP-IV inhibitory potential	2024/03309	29/4/24	Republic of South Africa	Filed
2.	Design of some newer analogues as anti-cancer compounds Targeting vegfr-2 using in-silico approaches	202321078029	15/12/23	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
3.	Design of some newer analogue as selective cox-ii inhibitor using in silico approaches	202321078030	15/12/2023	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
4.	Exploring bioisosteric analogues of miglitol for enhanced alpha-glucosidase inhibition: a novel drug design approach	202321078031	15/12/23	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
5.	Multichambered device for phytochemical analysis	408282-001	21/2/24	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Granted
6.	In silico investigation on substituted 1,2,4- Triazole derivatives to develop potent anticancer agents	202321061726	20/10/23	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
7.	Carbapol hydrogel system hybridized with econazole nitrate loaded nano structured lipid carrier for improved topical antifungal activity	202321075839	8/12/23	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
8.	Biosensor device for the detection of cancer cells	424441-001	24/7/24	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Granted
9.	A method for synthesizing novel substituted derivatives of oxadiazole as potent anticonvulsant and antimicrobial agent	2022/12371	14/11/22	Republic of South Africa	Granted
10.	Fluid bed granulator and bed dryer machine for pharmaceutical purpose	367100-001	1/7/22	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Granted

11.	Fast dissolving oral composition of etodolac and Preparation thereof	202221025666		Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
12.	An integrated system of image recognition along With artificial intelligence for accurate prediction of lung cancer using various medical modalities	202241020244	3/5/22	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
13.	Herbal Composition with antimicrobial activity.	202221030119	22/7/24	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
14.	First and third order derivative spectrophotometric method for determination of 5-(2-mercaptophenyl)-2-{n-(4-methoxybenzylidene)-4 aminophenyl}-1,3,4-thiadiazole in bulk drugs	202221045592	19/8/22	Office of the Controller General of Patents, Designs and Trademarks, Government of India	Published
15.	4-Fluro-2 cyanopyrrolidine derivatives	202022104249	5/10/22	German Patent & Trademark office	Granted
16.	In silico screening, physicochemical & pharmacokinetic analysis of novel sulphonamides as potential antimicrobial drugs docked with protein targets: PDB: 2VF5, 1KZN & 1JJJ	2021105099	29/9/21	Australian	Granted

Research Supervision: Ph.D: 01 (Submitted)

01 (Ongoing)

M.Pharm: 09 (Awarded)

Additional Information:

No of research paper presented in seminar/conference/symposium:

S.No	Title of seminar/conference/workshop/symposium	Sponsored & Organized by	Whether National/International
01	National symposium on approach to pharmaceutical insight through interdisciplinary research	Sponsored by APTI and organized by School of pharmacy, G H Rasoni University, Chhindwara M.P	National
02	National seminar on Recent development and future challenges of nuclear science in healthcare sector	Sponsored by Atomic energy regulatory board (AERB) & Organised by Royal college of pharmacy, Raipur, C.G	National
03	National workshop on management and palliative care in poisoning and overdose 2017	Sponsored by ICMR, New Delhi, and organized by Shri Shankaracharya	National

		technical campus, Faculty of Pharmaceutical science, Bhilai, Chhattisgarh	
04	National workshop on Practical application and validation of analytical instruments 2016,.	Sponsored by CGCOST and Organized by Shri Shankaracharya technical campus, Faculty of Pharmaceutical science, Bhilai, Chhattisgarh	National
05	National seminar on Selection and consequence of cell lines as in vitro model to accelerate research and development, 2015	Sponsored by ICMR, New Delhi, and Organized by Shri Shankaracharya technical campus, Faculty of Pharmaceutical science, Bhilai, Chhattisgarh	National
06	National conference on National Polymers: Trends and innovations 2015	sponsored by CGCOST and organized by Shri Shankaracharya technical campus, Faculty of Pharmaceutical science, Bhilai, Chhattisgarh	National
07	National conference on Nanoscience and nanotechnology.	Sponsored by INSA (Indian National Science Academy) 2014 New Delhi and organized by Shri Shankaracharya technical campus, Faculty of Pharmaceutical science, Bhilai, Chhattisgarh	National
08	International conference “Shaastrarth” 2013,	Organized by Rungta group of Colleges , Bhilai, Chhattisgarh	International

Participation in seminar/conference/workshop/symposium:

S.No	Title of seminar/conference/workshop/symposium	Sponsored & Organized by	Whether National/International
01	International conference “ Frontier in pharmaceutical sciences and research” PharmaSci-2017	Organized by Columbia institute of pharmacy, Raipur, C.G	International
02	69 th IPC (Indian Pharmaceutical Congress)	Chitkara University	National
03	Indian Pharmaceutical Association Convention 2016	Organized by IPA Chhattisgarh State Branch , UIOP, Pt Ravishankar Shukla University Raipur , Chhattisgarh	National
04	National workshop on Chromatographic and spectroscopic analysis for Phytoconstituents , 2013	Sponsored by UGC and organized by University institute of Pharmacy, Pt Ravishankar Shukla University Raipur, Chhattisgarh.	National

05	Entrepreneurship Awareness Programme, 2009.	Organized by SLTInstitute of Pharmaceutical Sciences, GGV, Koni, Bilaspur, Chhattisgarh	National
06	Comprehensive certificate programe on scope and potential after pharmacy.	Organized by Institute of Pharmaceutical Education and research and SLT institute of Pharmaceutical Sciences, GGV, Koni, Bilaspur, Chhattisgarh	National
07	APTI-13th Annual National Convention	Organized by SLTInstitute of Pharmaceutical Sciences, GGV, Koni, Bilaspur, Chhattisgarh	National

Refresher Courses / Orientation Courses:

Refresher Courses / Orientation Courses:				
Sl.No	Programme	Duration	Organised by	National/International
01	NEP orientation and sensitization program	02 weeks (04/03/2024 to 13/03/2024)	UGC-MMTTC, GGV	National
02	Faculty development program on “Leveraging Future: Research Writing & Entrepreneurship”	03 days	Indian Institute of Management (IIM) Raipur & CSVTU Bhilai	National
03	Five Day Faculty Development Programme (e-FDP) on “Restructuring Pharmacy Education for Atmanirbhar Bharat: Time for Transformation	05 days	Lloyd Institute of Management & Technology (Pharm.)	National
04	Faculty development program on Outcome based education and Accreditation	06 days	Sponsored by AICTE Margdarshan scheme and organied by BIT Durg .C.G	National
05	Continuing Educational Programs on “Academics, Research and Outcome Implementation”	03 days	Sponsored by PCI and organized by SRIP Kumhari Durg. C.G	National
06	Faculty development program on Recent advances in designing of novel formulation for plant actives and extracts	15 days	University institute of Pharmacy, Pt Ravishankar Shukla University Raipur, Chhattisgarh, sponsored by AICTE	National

07	National Survey of Spurious drugs	15 days	Food and Drug administration , Organized by Govt. of Chhattisgarh, Raipur	National
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Invited lectures and chairmanship at national or international conference/seminar, etc:

Sl. No	Title of Lecture/Academic Session	Title of Conference/Sem inar, etc	Organized by	Whether International / National
1.	QSAR analysis and its applications in drug development	Development of analytical techniques for indigenous drugs of C.G.	Columbia institute of pharmacy, sponsored by CCOST	National


Short Term Training Program:

SHORT TERM TRAINING PROGRAM:				
Sl.No	Program	Duration	Organized by	National/International
01	Short Term Training Program (STTP) on Human Values, Ethics, Morals, Behavioural Sciences & Attitude	07 Days (One week)	Sponsored by AICTE & Organized by Sagar Institute of Research & Technology Pharmacy Bhopal	National

Professional Memberships:

1. Association of Pharmaceutical Teachers of India (APTI).
2. CPCSEA

Date: 16-07-2023



(Dr. Yogesh Vaishnav)