

Faculty Profile

Name: Dr. Rati Kailash Prasad Tripathi

Designation: Assistant Professor

Department/Centre: Department of Pharmaceutical Science

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Educational Qualifications:

M. Pharm (Honours) in Pharmaceutical Chemistry, IIT (BHU), Varanasi (2011)
Ph.D. in Pharmaceutical Chemistry, IIT (BHU), Varanasi (2016)

Areas of Interest:

- Synthetic medicinal chemistry – conventional and microwave-assisted multi-step organic synthesis of small bio-active molecules.
- Computational chemistry and molecular modeling – drug design and discovery of heterocyclic lead compounds and their optimization.
- Pre-clinical evaluation of new chemical entities – *In vitro* bioassay and *in vivo* studies.

Work Experience: [In chronological order with the recent one at the last.]

Name of the Organization	Designation	Period		Nature of Post (permanent/temporary/Ad-hoc/contractual etc.)
		From	To	
Teerthanker Mahaveer College of Pharmacy, Teerthanker Mahaveer University, Moradabad	Assistant Professor	2016	2018	Permanent
Parul Institute of Pharmacy, Parul University, Vadodara	Assistant Professor	2018	2019	Permanent
Department of Pharmaceutical Science, Assam Central University, Silchar	Assistant Professor	2019	Till date	Permanent

Awards and Honours (if any):

Award Details	Awarding Agency	Year	Remark (if any)
Junior Research Fellowship	UGC, Govt. of India	2009-2011	During post-graduation (M. Pharm) studies
Research Fellowship	UGC, Govt. of India	2011-2012	During Ph.D.
ICMR - Senior Research Fellowship	Indian Council of Medical Research (ICMR), Govt. of India	2013-2016	Extramural Research Project
Teaching Assistantship	Ministry of Human Resource Development (MHRD), Govt. of India	2012-2013; 2016	During Ph.D.
Institute Assistantship	IIT (BHU), Varanasi	2016	During Ph.D.
Bentham Brand Ambassador	Bentham Science Publishers	2019	-

Projects: [In chronological order with the recent one at the last. Mention shall be made if the project is ongoing or completed]

Project Title	Awarding Agency	Period	Amount Sanctioned	Ongoing/ Completed
Design, synthesis, anticonvulsant and monoamine oxidase (MAO) inhibitory evaluation of some N-Functionalized heteroaryl semicarbazones and hydrazones.	ICMR, Govt. of India	2013-2016	10 Lacs (Approx.)	Completed

Consultancy/International Collaboration: [In chronological order with the recent one at the last.]

Details	Year	Remark (if any)
-	-	-

Publications in Peer Reviewed Journals (Maximum 5)

Authors	Title of the Paper	Name of the Journal	Journal details	ISSN
R. K. P. Tripathi	A perspective review on fatty acid amide hydrolase (FAAH) inhibitors as potential therapeutic agents.	European Journal of Medicinal Chemistry (Impact factor: 5.572)	2020, 188, 111953-111992	0223-5234

R. K. P. Tripathi and S. R. Ayyannan	Exploration of dual fatty acid amide hydrolase and cholinesterase inhibitory potential of some 3-hydroxy-3-phenacyloxindole analogs.	Archiv der Pharmazie (Impact factor: 2.59)	2020, 353 (9), e2000036	1521-4184
A. D. Patel, T. Y. Pasha, P. Lunagariya, U. Shah, T. Bhambharoliya, and R. K. P. Tripathi*	A library of thiazolidin-4-one derivatives as Protein Tyrosine Phosphatase 1B (PTP1B) inhibitors: An attempt to discover novel antidiabetic agents.	ChemMedChem (Impact factor: 3.124)	2020, 15 (13), 1229-1242	1860-7187
R. K. P. Tripathi and S. R. Ayyannan	Monoamine Oxidase-B inhibitors as potential neurotherapeutic agents: An overview and update.	Medicinal Research Reviews (Impact factor: 9.791)	2019, 39 (5), 1603-1706	1098-1128
R. K. P. Tripathi , V. M. Sasi, S. K. Gupta, S. Krishnamurthy and S. R. Ayyannan	Design, synthesis, and pharmacological evaluation of 2-amino-5-nitrothiazole derived semicarbazones as dual inhibitors of monoamine oxidase and cholinesterase: Effect of the size of aryl binding site.	Journal of Enzyme Inhibition and Medicinal Chemistry (Impact factor: 4.29)	2018, 33 (1), 37-57	1475-6366

Publications in Peer Reviewed Book Chapters (Maximum 5)

Authors	Title of the Chapter	Name of the Book	Book details	ISBN
M. N. Al-Qattan, N. Das, and R. K. P. Tripathi	Pharmacology of endogenous opioids, opiates and their receptors.	Frontiers in Pharmacology of Neurotransmitters, Springer, Singapore	2020, pp 381-414	978-981-15-3556-7 (Online) 978-981-15-3555-0 (Print)

Books Authored/Edited Books (Maximum 5)

Authors	Title of the Book	ISBN	Publisher Details	Authored/ Edited
R. K. P. Tripathi	Fundamentals of Pharmaceutical Inorganic Chemistry	Manuscript Accepted, Under Processing	I.K. International Pvt. Ltd., New Delhi	Authored
R. K. P. Tripathi, Pradeep Singh, Garima Mishra	The Essentials of Pharmaceutical Inorganic Chemistry	978-93-80316-74-1	Ahuja Publishing House, New Delhi (2019)	Authored

Peer Reviewed Publications in Proceedings of National/International Conference/Workshop/Symposium (Maximum 5)

Authors	Title of the Paper	Name of the Program and Organizer	Publisher Details	ISBN/ISSN
-	-	-	-	-

Patents (if any):

Patent Details	Awarding Agency	Year	Remark (if any).
-	-	-	-

Details of Ph.D degree awarded (Under the supervision of the faculty):

Name of the Scholar	Title of the Thesis	Year of award	Remark (if any)
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