

Faculty Profile

Name : Dr. Partha Pratim Kaishap
 Designation : Assistant Professor
 Department/Centre : Department of Pharmaceutical Sciences
 Email id : pk6511@gmail.com,
 Parthapratim.kaishap@aus.ac.in



Educational Qualifications:

- 2010 Bachelor of Pharmacy**
 First Class with Distinction, Himalayan Pharmacy Institute, Majhitar, East Sikkim, India (University of North Bengal).
- 2012 Master of Pharmacy (Pharmaceutical Chemistry)**
 A+ Grade, Department of Pharmaceutical Sciences
 Dibrugarh University, Dibrugarh, Assam, India.
- 2018 Ph. D. (Pharmaceutical Sciences)**
 CSIR-North East Institute of Science and Technology, Jorhat, Assam, India
 (Dibrugarh University).

Areas of Interest :

- Diversity-oriented synthesis, medicinal and natural product chemistry
- Discovery of novel anti-obesity and antimalarial agents
- Design and development of novel anticancer compounds
- Structure-activity relationship (SAR) and lead optimization

Work Experience*:

Name of the Institute	Designation	Period		Nature of Post (permanent/temporary/Ad-hoc/ contractual etc.)
		From	To	
McMaster University, Hamilton, Ontario, Canada	Postdoctoral Fellow	2018	2019	Temporary
Seoul National University, Seoul, South Korea	Postdoctoral Research Fellow	August, 2019	November, 2019	Temporary
Assam University, Silchar, India	Assistant Professor	November, 2019	Till date	Permanent

**In chronological order with the recent one at the last.*

Awards and Honors*:

Award Details	Awarding Agency	Year	Remark (if any)
GPAT Post Graduate Fellowship	AICTE, New Delhi	2010	National

UGC-National Fellowship for Ph.D	UGC, New Delhi	2016	National
Best Junior Research Fellow for the year 2016-17	CSIR-NEIST, Jorhat	2017	Institutional (North-East Region)
Institutional Postdoctoral Fellowship	McMaster University, Ontario, Canada	2018	International
Postdoctoral Research Fellowship	Seoul National University, Seoul, South Korea	2019	International

*Maximum up to five

Projects:

Project Title	Awarding Agency	Period	Amount Sanctioned	Ongoing/ Completed
Exploration of metal-catalyzed C-H activation and substrate annulation strategies in construction of privileged heterocyclic scaffolds: Design, synthesis and bio-evaluation for target-based anticancer drug discovery	UGC, New Delhi	2023-2025	10 Lakhs	Completed

Publications in Peer Reviewed Journals*:

Authors	Title of the Paper/Chapter	Name of the Journal/ Book	Year, Volume, Page No	ISSN/ ISBN
P. P. Kaishap, G. Duarah, B. Sarma, D. Chetia, S. Gogoi*	Ruthenium(II)-Catalyzed Synthesis of Spirobenzofuranones by a Decarbonylative Annulation Reaction	Angewandte Chemie International Edition (Impact Factor: 17.6)	2018, 57(2), 456–460	1521-3773
P. P. Kaishap*, Gauri Duarah, Mintu Pal	Microwave-assisted, catalyst and solvent free synthesis of tryptanthrin derivatives and their in-vitro cytotoxic activity on prostate DU145 cancer cell lines	Synthetic Communications (Impact Factor: 2.0)	2021, 51(24), 3740–3747	1532-2432
N. Gogoi, R. Parhi, R. K. P. Tripathi, L. Pachau, P. P. Kaishap*	Recent advances in synthesis of isocoumarins: An overview	Tetrahedron (Impact Factor: 2.1)	2024, 150, 133740	0040-4020
N. Gogoi*, M. Rudrapal, I. Celik, P. P. Kaishap, Dipak Chetia	<i>In vitro</i> and <i>in silico</i> guided identification of antimalarial phytoconstituent(s) in the root of <i>Citrus maxima</i> (Burm.) Merr.	Journal of Biomolecular Structure and Dynamics (Impact Factor: 2.5)	2025, 43(2), 599–610	1538-0254

N. Gogoi*, B. Gogoi, P. P. Kaishap* , D. Chetia	Identification of antimalarial phytoconstituents from <i>Tinospora sinensis</i> (Lour.) Merr. Stem by in vitro whole cell assay and multiple targets directed in silico screening against <i>Plasmodium falciparum</i>	Journal of Ethnopharmacology (Impact Factor: 6.8)	2025, 338, 119134	0378-8741; 1872-7573
P. P. Kaishap* , B. Laskar, D. Dutta, N. Gogoi, T. Dey	Harnessing Chromone as a Versatile Scaffold for Emerging Biological Applications: Recent Advances and Medicinal Insights	The Chemical Record (Impact Factor: 8.9)	2025, 25(11), e202500073	1527-8999
N. Y. Mostafa, D. Dutta, B. Das, B. R. Bora, N. Gogoi, A. K. Das, P. P. Kaishap*	Tryptanthrin: Synthetic advances and therapeutic horizons of a privileged scaffold	European Journal of Medicinal Chemistry, (Impact Factor: 6.7)	2026, 309, 118767	1768-3254

*Maximum 7

Publications in Peer Reviewed Book Chapters (Maximum 5):

Authors	Title of the Chapter	Name of the Book	Book details	ISBN
S. Borah*, S. Tripathy, B. Bhuyan, P. P. Kaishap , H. K. Sharma, G. Choudhury, L. Saikia	Metal nanoparticles as potent antimicrobial nanomachetes with an emphasis on nanogold and nanosilver	Design of Nanostructures for Versatile Therapeutic Applications	Elsevier, 2018, pp 487-522	978-0-12-813667-6
L. Pachua, Laldinchhana, P. P. Kaishap , M. K. Das*	Multifunctional gold nanostar conjugates for tumor imaging and combined photothermal and chemotherapy in cancer	Multifunctional Theranostic Nanomedicines in Cancer	Elsevier, 2021, pp 233-249	978-0-12-821712-2
B. R. Bora, B. Laskar, P. P. Kaishap*	Xanthenes in medicinal chemistry: Recent advances in synthesis and biological applications	Targets In Heterocyclic Systems-chemistry and properties	Società Chimica Italiana, Vol 29, 2025, pp 258-293	978-88-94952-56-8

Paper presented in National/ International Conference/Workshop/ Symposium

Authors	Title of the paper	Name of the program and organizer	Year
P. P. Kaishap , S. Gogoi, R. C. Boruah	Syntheses of aza-heterocyclic scaffolds from β -romovinyl/aryl aldehyde	National Symposium on Transcending Frontiers in Organic Chemistry, CSIR-NIIST, Thiruvananthapuram, Kerala	October 9-11, 2014
P. P. Kaishap , S. Gogoi	Ru(II)-Catalyzed C–H activation and annulation reaction generates heterocycles that exhibit cytotoxicity against mammalian cancer cells	International conference on “JNOST-2016”, CSIR-CDRI, Lucknow, Uttar Pradesh	November 24-27, 2016

P. P. Kaishap , S. Gogoi	Ru(II) Catalyzed C–H Activation and Annulation Reactions for the Synthesis of 8-Amido Isocoumarins	National Seminar on “Frontiers in Chemical Sciences (FICS-2016)”, IIT-Guwahati, Assam	December 7-10, 2016
P. P. Kaishap , D. Chetia, S. Gogoi	Synthesis of tryptanthrin alkaloid and its analogues and evaluation of their cytotoxicity against prostate cancer cells	National Seminar on “Natural Resources for Drug Discovery and Development”, Dibrugarh University, Dibrugarh, Assam	February 24-25, 2018
P. P. Kaishap	Antimalarial potential of root-derived flavonoids from Citrus maxima (Burm.) Merr: An integrated in vitro, molecular docking and dynamic studies	National Seminar on “Recent trends in chemical research (RTCR-2024)”, Assam University, Silchar	August 20, 2024

Details of Research Supervision

Research Scholar	Completed	Ongoing	Total
M. Pharm	2	2	4
Ph.D.	0	2	2