

Faculty Profile

Name: Dr. Nirupam Das

Designation: Assistant Professor

Department/ Centre: Department of Pharmaceutical Sciences

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Educational Qualifications: M.Pharm, PhD



Areas of Interest: Molecular Modeling; Synthesis and Pharmacological Evaluation of Biologically Active Molecules; Phytochemistry and Carbohydrate Chemistry.

Work Experience:

Name of the Organization	Designation	Period		Nature of Post (permanent/temporary/Ad-hoc/contractual etc.)
		From	To	
Institute of Pharmacy, Harish Chandra P.G. College, Varanasi	Lecturer	10/08/2007	08/08/2008	Permanent
Assam University, Silchar	Assistant Professor	26/09/2011	Till Date	Permanent

Awards and Honors (if any):

Award Details	Awarding Agency	Year	Remark (if any)
Travel Grant Award to attend the National Biotechnology Conference American Pharmaceutical Scientist Association (AAPS), San Francisco, CA,	Department of Biotechnology (DBT)-CTEP Government of India and American Pharmaceutical Scientist	2010	

USA	Association (AAPS)		
Travel Grant Award to attend the 14th Asian Chemical congress, Bangkok Thailand	Indian Council of Medical Research (ICMR), New Delhi	2011	

Projects:

Project Title	Awarding Agency	Period	Amount Sanctioned	Ongoing/ Completed
Bioprospecting of a few selected Ethnomedicinal plants of North-East India for Phytocharacterization with <i>in vitro</i> and <i>in vivo</i> validation against inflammation, pain and Rheumatoid Arthritis	Indian Council of Medical Research. (I.C.M.R., Govt. of India)	2021-2024	32 Lakhs	Completed
Exhaustive valorization of arecanut waste as a source of potential healthcare biomaterials	ASTEC, Govt. of Assam 2022-2025	2022-2025	3.5 lakhs	Completed

Publications in Peer-Reviewed Scopus Indexed Journals

Authors	Title of the Paper	Name of Journal	Journal details	ISSN
Ravi Bhushan Singh [*] Nirupam Das [*] Gireesh Kumar Singh [*] Sushil Kumar Singh [*] Kamaruz Zaman	Synthesis and pharmacological evaluation of 3-[5-(aryl-[1,3,4]oxadiazole-2-yl)]-piperidine derivatives as anticonvulsant and antidepressant agents.	Arabian Journal of Chemistry	13(5): 5299-5531(2020).	Print ISSN: 1878-5352 /Online ISSN: 1878-5379
Rati Kailash Prasad Tripathi, Rajarshi Dey, Nirupam Das	Identification of natural lead molecules as potential <i>Trypanosoma cruzi</i> cruzipain inhibitors and decoding the interaction mechanism for the treatment of Chagas disease: a computational biology analysis.	Natural Product Research	38(20): 3676-3680 (2023).	Print ISSN of 1478-6419/online ISSN: 1478-6427
Gireesh Kumar Singh, Bindu Kumari, Nirupam Das, Kamaruz Zaman, Pratibha Prasad, Ravi	Design, synthesis, molecular docking and pharmacological evaluation of some thiadiazole based nipecotic acid derivatives as a potential anticonvulsant and antidepressant agents	3 Biotech	14(3): 71 (2024).	Print ISSN: 2190-572X/Online ISSN: 2190-5738

Bhushan Singh				
Pratap Kalita, Probin Kumar Roy, Nirupam Das, Lalduhsanga Pachuau	Silicified microcrystalline cellulose from renewable banana pseudostem: Physicochemical and functional analysis	International Journal of Biological Macromolecules	283(Pt 2): 137620 (2024).	Print ISSN: 0141-8130/online ISSN: 1879-0003.
Debasmita Deb, Meenakshi Dhanawat, Bharat Bhushan, Lalduhsanga Pachuau, Nirupam Das	Targeting Neurodegeneration: The Emerging Role of Hybrid Drugs	Current Drug Targets	26(6): 410-434 (2025).	Print ISSN: 1389-4501/ Online ISSN: 1873-5592.
Nirupam Das, Pratap Kalita & Lalduhsanga Pachuau	Lignin Nanoparticles from Areca Nut Waste Biomass: Investigation of its Antioxidant and UV Protection Properties	Waste and Biomass Valorization	16, 5809–5821 (2025).	Print ISSN: 1877-2641/Online ISSN: 1877-265X
A. M. A. Ikbal, A. Sarkar, A. Saha, P. Bhardwaj, R. Panchadhayee, S. S. R. A. Somabattini, N. Das, S. K. Nanjappan, B. S. Unger, A. Hazra, P. Ghosh, S. Babykutty, L. Nahar, S. D. Sarker, P. Palit, D. Chattopadhyay	Phytochemical, LC-MS Studies, and Assessment of Antioxidant, Anti-inflammatory, Hypoglycemic, Anti-Rheumatoid-arthritis Potential with <i>Acmella paniculata</i> : In-Silico and In-Vitro Appraisal	Chemistry Select	10, e202405189 (2025)	Print and Online ISSN: 2365-6549

Contributed Book Chapters Published in Edited Books of Reputed Publishers

Authors	Title of chapter	Name of the Book	Book details	ISBN
Mohammed Nooraldeen Al-Qattan, Nirupam Das, Rati KP Tripathi	Pharmacology of Endogenous Opioids, Opiates and Their Receptors	Frontiers in Pharmacology of Neurotransmitters	https://doi.org/10.1007/978-981-15-3556-7_12 Publisher: Springer, Singapore, 2020.	Print ISBN 978-981-15-3555-0/ Online ISBN 978-981-15-3556-7
Sarah Falah Kokaz, Pran Kishore Deb, Sara Nidal Abed, Amal Al-Aboudi, Nirupam Das, Fatimah Amin Younes, Ruba Anwar Salou, Yazan A.	Pharmacology of Acetylcholine and Cholinergic Receptors	Frontiers in Pharmacology of Neurotransmitters	https://doi.org/10.1007/978-981-15-3556-7_3 Publisher: Springer, Singapore, 2020.	Print ISBN 978-981-15-3555-0/ Online ISBN 978-981-15-3556-7

Bataineh, Katharigatta N. Venugopala & Raghu Prasad Mailavaram				
Lalduhsanga Pachuau, Nirupam Das, Ranjita Nath, Jugal Sutradhar, Malay K. Das	Natural polymer-based nanocarriers for advanced cosmeceutical application	Nanocosmeceuticals Innovation, Application, and Safety	https://doi.org/10.1016/B978-0-323-91077-4.00010-7 Publisher: Academic Press (Elsevier), 2022.	ISBN: 978-0-323-91077-4
Tabassum Khair Barbhuiya, Nirupam Das, Partha Palit	Quantum Dots: Can It Be a Potential Antiviral Agent and Nano-Carrier Tool for Efficient Drug Delivery for Combatting Viral Infections?	Nanotechnology Platforms for Antiviral Challenges	https://doi.org/10.1201/9781003243175-6 Publisher: CRC Press (Taylor & Francis), 2022.	eBook ISBN: 9781003243175
Nirupam Das, Probin Kumar Roy, Lalduhsanga Pachuau	Ionotropically cross-linked polymeric microparticles for drug delivery	Ionotropic Cross-Linking of Biopolymers	https://doi.org/10.1016/B978-0-323-96116-5.00015-6 . Publisher: Elsevier, 2024	ISBN 9780323961165

Patents/ Policy Document (Maximum 5)

Title of Patent	Patent No. & Granting Authority	Date of Award	International/ National
A Poly-Herbal Drug Composition and a Method for a Formulation of the Poly-Herbal Drug for the Treatment of a chronic fatigue syndrome	2021106596 (Australian Innovation Patent)	16/12/2021	International
A system for developing a neuroactive poly herbal formulation	202022100490 (German patent and Trade mark Office)	02/03/2022	International

