

## **Faculty Profile**

Name : Dr. Lalduhsanga Pachuau

Designation : Assistant Professor

Department/Centre : Pharmaceutical Science

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Educational Qualifications: M.Pharm, Ph.D

Areas of Interest : Drug delivery, biomaterials, natural products

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	
Regional Institute of Paramedical & Nursing Sciences, Aizawl	Guest Lecturer	24.11.2006	19.09.2007	Temporary
Regional Institute of Paramedical & Nursing Sciences, Aizawl	Assistant Professor	20.09.2007	24.01.2015	Contractual
Assam University Silchar	Assistant Professor	30.01.2015	Till date	Permanent

Awards and Honours (if any): [Maximum upto 5]

Award Details	Awarding Agency	Year	Remark (if any)
David Lalbiaknunga Memorial Award	Zemabawk Students Union	1997	
GATE Fellowship	AICTE, Govt. Of India	2004-2006	
Best Poster Award	NanoBio International Collaborative Conference	2013	
ISNM-DBT Fellowship	Indian Society of Nanomedicine & Department of Biotechnology, Govt. of India	2017	

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
Isolation, characterization and formulation studies of gums obtained from <i>Albizia stipulata</i> and <i>Prunus cerasoides</i> of Mizoram	DBT, Govt. of India	2012 - 2015	57.62 lakhs	Completed
Isolation, Characterization, and Investigation of Cellulose Nanocrystals from wild <i>Musa</i> spp. of Mizoram as functional tablet excipient	DST-SERB, Govt. of India	2019 - 2022	29.83 lakhs	Ongoing

Publications in Peer Reviewed Journals/Book Chapters (Maximum 5)

Authors	Title of the Paper/Chapter	Name of the Journal/Book	Journal/Book details	ISSN/ISBN
Pachua L.	Recent developments in novel drug delivery systems for wound healing	<i>Expert Opinion on Drug Delivery</i>	2015, 12, 1895-1909. (IF - 4.838)	1742-5247
Ruckmani K, Seelan V, Henry LJK, Narra K, Pachua L	Design and development of <i>Albizia stipulata</i> gum based controlled-release matrix tablets in cancer therapeutics	<i>International Journal of Biological Macromolecules</i>	2016, 92, 972-980 (IF - 5.162)	0141-8130
Pachua L, Dutta RS, Roy P, Kalita P, Hauzel L.	Physicochemical and disintegrant properties of glutinous rice starch of Mizoram, India	<i>International Journal of Biological Macromolecules</i>	2017, 95, 1298-1304 (IF - 5.162)	0141-8130
Dutta RS, Hauzel L, Roy P, Kalita P, Devi B, Deka D, Pachua L.	Nanoprecipitated Ethylcellulose-Curcumin Particles for Controlled Release and Enhanced Antioxidant Activity	<i>Current Nanoscience</i>	2018, 14, 298-306. (IF - 1.836)	1573-4137

Pachau L, Dutta RS, Hauzel L, Devi B, Deka D	Evaluation of novel microcrystalline cellulose from <i>Ensete glaucum</i> (Roxb.) Cheesman biomass as sustainable drug delivery biomaterial	<i>Carbohydrate Polymers</i>	2019, 206, 336-343. (IF - 7.182)	0144-8617
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Books Authored/Edited Books (Maximum 5)

Authors	Title of the Book	ISBN	Publisher Details	Authored/Edited
Dr. Pachau L, Dr. C. Zothanmawia	Damdawi leh a kaihnhawihte (About drugs in general written in Mizo language)	-	Self Published	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
Pachau L, David C Vanlalfakawma, Tripathi SK	Bamboo- A new source of microcrystalline cellulose	Two-Day Workshop on Current Trends of Biodiversity Research in Mizoram Organized by MZU and PUC, Aizawl	Scientific Book Centre, Guwahati	978-81-28700-15-6
Pachau L	Moving towards Kyoto Protocol's Bio-based Economy and Sustainable Developments: Exploring Biodiversity Resources of Mizoram for Renewable...	Regional Seminar on Climate Change: Impact, Adaptation and Response in the Eastern Himalayas Organized by MZU, Aizawl	Excel India Publisher, New Delhi	978-93-88237-16-1
Pachau L, Acharjee M, Das T	Pharmaceutical Science in North-East India: Current Status and Prospect	National Seminar on Science Education in North-Eastern States of India, MZU	Gyan Publishing House, New Delhi	978-81-212-2006-4