

CURRICULUM VITÆ

Dr. Lalnundanga

Professor

Department of Forestry

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Personal Details:

Date of Birth:03-10-1969 **Sex:** Male

Father's Name: Shri K. Biakhranga (Late)

Marital Status: Married **Nationality:** India

Permanent Address: Chaltlang YC01, Aizawl, Mizoram – 796012

Educational Qualifications:

Doctor of Philosophy (Ph. D.): 2001, North Eastern Hill University, Shillong, Meghalaya

Thesis Title: “*Study of Medicinal Plants in Sub-tropical semi-evergreen Forests of Mizoram*”

M.Sc. Botany : 1993 North Eastern Hill University, Shillong, Meghalaya

B.Sc. Botany : 1990 North Eastern Hill University, Shillong, Meghalaya

PU Sc. : 1987 North Eastern Hill University, Shillong, Meghalaya

Research Interest:

- Non-timber forests products (Medicinal Plants)
- Pharmacognosy
- Biodiversity Conservation

Details of Previous Employments:

Organization/Institution	Designation	Duration	Role
Department of Forestry, MZU	Professor	2011- till date	Teaching & Research
Department of Forestry, MZU	Associate Professor	2008-2011	Teaching & Research
Department of Forestry, MZU	Reader	2005-2008	Teaching & Research
State Government Collge	Lecturer/Sr.Lecturer	1994-2005	Teaching & Research

Administrative Experience & Membership:

- Registrar, Mizoram University
- Director, UGC-HRDC, Mizoram University
- Director, IQAC, Mizoram University

- Head, Department of Forestry, Mizoram University
 - Society of Ethno-botanists
 - Med-plant Conservatory Society
 - State Biodiversity Board
 - State Medicinal Plant Board
 - Mizoram Vanaspati Van Society
 - Animal Ethics Committee, RIPANS
 - State Jury under INSPIRE Scheme
 - State Implementing Board on Climate Change Adaptation
 - State Level Water Quality Review Committee
 - Member, Academic Council, Mizoram University
 - Chairman, Board of Studies, Department of Forestry, Mizoram University
 - Member, School Board, School of Earth Sciences & NRM, Mizoram University
 - Member, School Board, School of Life Sciences, Mizoram University
 - Member, School Board of Social Sciences, Mizoram University
 - Member, Board of Studies, Department of Environmental Science, Mizoram University
 - Member, Board of Studies, Department of HAMP, Mizoram University
 - Member, Board of Studies, Department of Botany, Mizoram University
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Research Projects:

- i. Mizoram Vanaspati Van Project. Funded by – RCH, Ministry of Health & Family Welfare, GoI.
 - ii. Biodiversity Monitoring on Mizoram State Road Project – Phase II. Funded by World Bank.
 - iii. Monitoring of Air & Water Quality on Mizoram State Road Project – Phase II. Funded by World Bank.
 - iv. Documentation of Medicinal Plants of Mizoram. Funded by National Medicinal Plants Board, AYUSH, Ministry of Health & Family Welfare, GoI.
 - v. Monitoring and Evaluation of Bamboo Plantation & Nursery under National Bamboo Mission Funded by Ministry of Agriculture, GoI.
 - vi. Monitoring and Evaluation of Village Forest Development Committee and their Plantation in Mizoram under National Afforestation Programme Funded by MoEF, GoI.
 - vii. Monitoring on Environment Management Plan under MSRP-II Serchhip to Buarpui Road Funded by Asian Development Bank
 - viii. Monitoring of Environment, Bioengineering and Biodiversity under MSRP- II Chhumkhum to Chawngte Road Funded by World Bank
 - ix. Inventory, conservation and characterization of Medicinal plants used by ethnic groups of Mizoram through traditional knowledge system upto pharmaceutical level. Funded by DST, New Delhi, GoI
 - x. Climate Change Impacts on Forest and Its Adaptation Study in Mizoram. Funded by Department of Environment, Forest and Climate Change, Govt. of Mizoram.
 - xi. Study of Ecosystem Services under different Land Used System in Mizoram. Funded by Department of Environment, Forest and Climate Change, Govt. of Mizoram.
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Research & Teaching Experience

Research	: 21 Years
Teaching	: 27 Years
Ph.D. Guided	: 07
Ph.D. Ongoing	: 07

Research Publications

- i. Jerry Laldingngheta, **Lalnundanga** and M. Vabeiryureilai (2020). Determination of Phytochemical Contents and Antioxidant Activities of Ethanol extract of the leaves of *Scurrula Parasitica* L. *IJPSR*, 2020; Vol. 11(5): 2211-2216. E-ISSN: 0975-8232; P-ISSN: 2320-5148
- ii. Marak, N.M. and **Lalnundanga** (2019). Therapeutical Explorations of Herbal Medicines Used by Garo Tribes for Dermatological Disease. In *Medicinal Plants in India: Conservation and Sustainable Use*. Eds. S.K. Triathi, K. Upadhyaya, Nargraj Hegde. pp. 145 - 155 Today's & Tomorrow's Printers and Publication, New Delhi, India. ISBN 9788170196525.
- iii. Jerry Laldingngheta & **Lalnundanga** (2019). Phytochemical analysis of anti-diabetic plants of Mizoram, North-east India. In *Medicinal Plants in India: Conservation and Sustainable Use*. Eds. S.K. Triathi, K. Upadhyaya, Nargraj Hegde. pp. 333 – 342. Today's & Tomorrow's Printers and Publication, New Delhi, India. ISBN 9788170196525.
- iv. Jerry Laldingngheta, **Lalnundanga**, Awadhesh Kumar (2019). Ethnobotanical Explorations on Anti-Diabetic Plants Used by Tribal Inhabitants of Mizoram, India. *Environment and Ecology* 37 (3B) : 1032—1036 (ISSN 0970-0420)
- v. Rebecca VLT Muanpuii, **Lalnundanga** and Lalhlenmawia H (2019). Preliminary screening and report of the phytochemical and secondary metabolites present in *Byttneria aspera* Colebr. Ex. wall. *Journal of Pharmacognosy and Phytochemistry* 8(4): 1248-1250. E-ISSN: 2278-4136 P-ISSN: 2349-8234
- vi. Jerry Laldingngheta, **Lalnundanga**, Malsawmzuala and H Lalhlenmawia (2019). Evaluation of the anti-diabetic activity of ethanol extract of leaves of *Scurrula parasitica* in streptozotocin-induced diabetic rats. *Journal of Pharmacognosy and Phytochemistry* 8(3): 2206-2212. E-ISSN: 2278-4136 P-ISSN: 2349-8234
- vii. Sangma, A.J.T & **Lalnundanga** (2019). Non-timber forest products (NTFPs) used by Garo tribe of Rongram Block in West Garo Hills, Meghalaya. *Indian Journal of Traditional Knowledge* 18(1):151-161. ISSN: 0972-5938 (P), ISSN 0975-1068 (O)
- viii. Sahoo, U.K., Singh, S.L, Sahoo, S.S., **Lalnundanga**, Lalnuntluanga, Angom S. Devi, A.S., Zothanzama, J. (2018). Forest Dwellers' Perception on Climate Change and Their Adaptive Strategies to Withstand Impacts in Mizoram, North-East India. *Journal of Environmental Protection* 9:1372-1392. ISSN (O): 2152-2219 ISSN (P): 2152-2197
- ix. Marak, N.M. and **Lalnundanga** (2018). Ethno-medicinal Plants used for the Treatment of Various Skin Disorders by the Garo Community in West Garo Hills District of Meghalaya. *Indian Forester*, 144 (9) : 869-874. ISSN No. 0019-4816 (P) ISSN No. 2321-094X (O)
- x. Marak, N.M. and **Lalnundanga** (2018). Enumeration of ethno-medicinal plants in Rongram Block of West Garo Hills District, Meghalaya. *Sci Vis* 18 (1), 16 - 21. ISSN: 0975-6175
- xi. Marak, N.M. and **Lalnundanga** (2017). Indigenous Knowledge on Medicinal Plants Used for Treating Diarrhoea and Dysentery among the Garo Community, Meghalaya (North East India). *J. Nat. Prod. Plant Resour.*, 7 (4): 29-36. ISSN:2231-3184

- xii. Zanzoliani, **Lalnundanga** and Lalriliansa, F (2017). Socio-Economic Analysis of Agro-forestry System and its Financial Efficiency in Mizoram, India. *Indian Forester*, 143 (9) : 812-816. ISSN: 0019-4816
- xiii. Marak, N.M. and **Lalnundanga** (2017). Documentation of Ethno-medicinal Plants used in the treatment of Malaria, Fever and Headache by the Garo Community of West Garo Hills District, Meghalaya. *American Journal of Pharmacy & Health Research* 5(10) : 33 – 47 ISSN: 2321–3647
- xiv. Vanlalremkimi, J. **Lalnundanga**, Khanduri Vinod Prasad and Kewat Sanjay Kumar (2016) Phenological Patterns of *Erythrina Variegata* and *Erythrina Subumbrans* in Two Distinct Precipitation Regime in Tropical Forests of Mizoram, NE-India. *International Journal of Agriculture Sciences*, ISSN: 0975-3710 & E-ISSN: 0975-9107, Volume 8, Issue 35, pp.-1736-1740.
- xv. Tripathi SK, Roy A, Kushwaha D, Lalnunmawia F, **Lalnundanga**, Lalramnghinglova, H, Lalnunzira, C (2016) Perspectives of Forest Biodiversity Conservation in Northeast India. *J. Biodivers Biopros Dev* 3(2): 157. (doi: 10. 4172 / 2376-0214. 1000157)
- xvi. **Lalnundanga**, Lalrintluangi Sailo, Churchill Vanlalbela and B. Malsawmkima (2015) Impact of road construction on the socio-economic condition of the communities in the hilly terrain of Lunglei district, Mizoram, India. *Sci.Vis.* 15(3): 152-158 (ISSN (P) 0975-6175; (O) 2229-6026)
- xvii. **Lalnundanga**, Lalchawimawii Ngente and Thanzami, K. (2015). Antimicrobial activity of Menthol extract of root bark of *Hiptage benghalensis* (L) Kurz. *Journal of Pharmacognosy and Phytochemistry* 3(6) : 119 - 121 (ISSN: 2349-8234)
- xviii. Upadhyaya, K., Zanzoliani and **Lalnundanga** (2015): Financial and Energy Efficiencies in SALT Agroforestry and Traditional Shifting Cultivation Systems in Mizoram : A comparative evaluation. *Multilogic Science IV* (XI): 19 - 26 (ISSN 2277-7601)
- xix. **Lalnundanga** (2014). *Floral Diversity Management: In context to Mizoram*. Lalnunluanga; John Zothanzama; Lalramliana; Lalduhthlana and H.T. Lalremsanga (Eds.) In *Issues and Trends of Wildlife Conservation in Northeast India*. Mizo Academy of Sciences, Aizawl, India. (ISBN 978-81-924321-7-5)
- xx. **Lalnundanga** (2012). Convergence of National Afforestation Programme (NAP) with Reference to Medicinal Plants. *Workshop Proceedings on Convergence of NAP and Other Schemes*. Department of Environment & Forests, Govt. of Mizoram. pp. 82 – 87.
- xxi. **Lalnundanga**, Lalchawimawii Ngente & R. Lalrinkima (2011). Phytochemical analysis of the menthol extract of root bark of *Hiptage benghalensis* (L.) Kurz. *Sci.Vis.* 12(1), 8-10. (ISSN (P) 0975-6175; (O) 2229-6026)
- xxii. Lalrinkima R. & **Lalnundanga** (2011). Medicinal Plants Resources and its Conservation in Mizoram, North East India, In: Lalramnghinglova, H & Lalnunmawia, F (Eds.) *Forest Resources of Mizoram, Conservation and Management* (2011) Department of Environmental Science, Mizoram University, Aizawl. pp. 36-50.
- xxiii. **Lalnundanga** (2010). Climate change and biodiversity: Inter-linkages, impact, mitigation and adaptation. *Sci. Vis.* 10(3), 74-79. (ISSN (P) 0975-6175; (O) 2229-6026)
- xxiv. Lalrinkima, R & **Lalnundanga** (2010). Medicinal Plants of Subtropical Montane Forests in the Eastern parts of Mizoram. *Proceedings of National Conference on Conservation of Biodiversity* Organized by National Centre for Science Communications, Mumbai at Indian Institute of Science, Bangalore on 20th -21st Nov, 2010. pp. 68 - 70

- xxv. **Lalnundanga**, Leishangthem Jeecelee & V.P. Khanduri (2010). Effect of *Flemingia macrophylla* on Biological and Physio-Chemical Characteristics of Soil. *American-Eurasian J. Agric. & Environ. Sci.*, 8(2): 204-211,.
- xxvi. **Lalnundanga** (2009). *Future Prospects of Medicinal Plants of Mizoram*. Zoram Environment Vol. I (Eds. Lalnuntluanga, R. Lalfakzuala & John Vanlalhruaia), Central Young Mizo Association Series No. 40
- xxvii. Khanduri, V.P., **Lalnundanga** & Vanlalremkimi, J. (2008). Growing stock variation in different teak (*Tectona grandis*) forest stands of Mizoram, India. *Journal of Forestry Research* (2008) 19(3):204-208.
- xxviii. Bunchai, M.S. Carolyn, **Lalnundanga** & Lalnuntluanga (2007): Survey and Enumeration of Medicinal plants within Mizoram University Campus. *Sci. Vis* 7(4):166 – 171. (ISSN (P) 0975-6175; (O) 2229-6026)