

## CURRICULUM VITÆ

### **Dr. KHOMDRAM SANDHYARANI DEVI**

Assistant Professor

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#### **Personal Details:**

Sex : Female

Father's Name : Khomdram Tomba Singh

Nationality : India

Present Address : C. Lalfakimi Old Buiding, Opp. MZU 2<sup>nd</sup> Gate, Aizawl-796 004

#### **Educational Qualifications:**

Doctor of Philosophy (Ph. D.) in Botany: **2011, Manipur University, Manipur**

Thesis Entitled, "Biochemical and Taxonomic studies on selected plants of Lamiaceae in Thoubal District, Manipur".

<b>Examination</b>	<b>Name of Board/ University</b>	<b>Year of Passing</b>	<b>% of Marks</b>	<b>Division/ Class/ Grade</b>	<b>Main Subjects</b>
<b>Master of Science (Botany)</b>	Panjab University, Chandigarh	2004	70.8	I	Botany
<b>Bachelor of Science</b>	Panjab University, Chandigarh	2002	67.2	I	Botany/Zoology/Chemistry
<b>I.Sc. (+2)</b>	COHSEM, Manipur	1999	65.6	I	Eng./M.I.L./Bio./Phy./Chem
<b>High School</b>	BOSEM, Manipur	1997	66.5	I	Eng./M.I.L./Sc./ Soc. Sc/Maths

#### **Research Interest:**

- Systematic studies of selected families of Angiosperms (Lamiaceae, Ericaceae, Gesneriaceae, Boraginaceae)
- Ethnobotany, Conservation of Rare, Endemic and Threatened Plants
- Phytochemical and nutritional studies of wild edible plants of Northeast India

#### **Details of Previous Employments:**

- Assistant Professor in PUC, Mizoram University, Mizoram from 9<sup>th</sup> January, 2012-3<sup>rd</sup> June, 2013

**Administrative Experience:**

- Member of BoS for Department of Botany, Mizoram University from 2014-2017
- Member of Research Committee for Department of Botany, Mizoram University
- Member of Examination Committee for Department of Botany, Mizoram University

**Awards & Distinctions:**

- CSIR/UGC-Junior Research Fellow -2005-2008 (Manipur University)
- CSIR/UGC-Senior Research Fellow -2008-2010 (Manipur University)

**Professional Memberships:**

- Natural member of East Himalayan Society for Spermatophyte Taxonomy
- Life member of Indian Association for Angiosperm Taxonomy
- Life member of Society of Ethnobotanists

**Academic Achievements:**

- Resource Person in e-content development(5 Modules) of UG-Biochemistry under NME-ICT-CEC Project, EMMRC, Manipur

**Research Papers Reviewed for Journals:**

- Name of Journal: Current Trends in Biotechnology and Pharmacy

**Details of Professional Trainings**

Place	Duration	Training/Course
Manipur University	11-18 <sup>th</sup> May, 2011	Training Programme of Field Trainers on Documentation, Rapid Assessment and Promotion of Local Health Traditions of Manipur
UGC-Academic Staff College, Mizoram University	1 <sup>st</sup> - 28 <sup>th</sup> Oct., 2012	Orientation Programme
UGC-HRDC, Mizoram University	7 <sup>th</sup> - 27 <sup>th</sup> June, 2016	Special Summer School
UGC-HRDC, Mizoram University	24 <sup>th</sup> Aug. – 13 <sup>th</sup> Sept., 2017	Refresher Course on Indian Medicinal Plants

**Details of Seminars/Conferences/Workshop Attended:**

Place	Duration	Name of Course/Training
Manipur University	4 <sup>th</sup> Nov. 2006	National Seminar on radiation and Societal Development
Manipur University	12 <sup>th</sup> – 16 <sup>th</sup> Dec., 2006	Workshop on computerized Statistical Analysis of Biological data
IIT – Guwahati	20 <sup>th</sup> -21 <sup>st</sup> Jan., 2007	National Symposium on Entrepreneurship in Biotechnology: Scope And Prospects In North-East India

IBSD, Takyelpat	24 <sup>th</sup> -25 <sup>th</sup> Jan, 2007	Application of Computers for Bioresources Conservation
Manipur University	24 <sup>th</sup> -25 <sup>th</sup> Feb., 2007	Seminar on Environment and Biodiversity of Manipur: Issues and Concerns
Manipur University	23 <sup>th</sup> -24 <sup>th</sup> March, 2007	National Seminar on Recent advances in Life Sciences
IBSD, Takyelpat	12 <sup>th</sup> -13 <sup>th</sup> April, 2007	National Workshop on Conservation and Commercialization of Medicinal and Aromatic Plants in NE Region with Special Reference to Manipur
Manipur University	21 <sup>th</sup> -22 <sup>nd</sup> February 2008	National Seminar on Conservation of Bioresources in Life Sciences Department
Manipur University	24-25 <sup>th</sup> July, 2008	seminar on The Present Scenario of Medicinal Plants in Manipur with particular reference to anti-cancer Plants
KVK, Sylvan, Manipur	18-19 <sup>th</sup> May, 2009	Regional Symposium on Bio-Resources Conservation in the North East Region
NISCAIR(CSIR), New Delhi	24-26 <sup>th</sup> November, 2008	National Conference on Traditional Knowledge Systems, Intellectual Property Rights and their Relevance for Sustainable Development
International Hortiexpo, Kerala	3-4 <sup>th</sup> Dec., 2010	International Seminar on Future farming
Department of AYUSH/Forest, Karnataka	11-12 <sup>th</sup> Dec., 2010	International Seminar on Conservation, Cultivation, Sustainable Collection, Processing and Marketing of Medicinal Plants with focus on RET species
Manipur University	28-29 <sup>th</sup> March, 2011	Science Academies' Sponsored Workshop on Recent Advances in Biology
Pachhunga University College	20-22 <sup>nd</sup> Feb., 2012	National Workshop on application of Remote Sensing, GIS & GPS in Geography and Allied Sciences
Mizoram University	6-7 <sup>th</sup> march, 2014	Management on Natural Resources for Sustainable development: Challenges and Opportunities
Mizoram University	24-25 <sup>th</sup> April, 2014	National Seminar on Issues of Wildlife Conservation in India with special reference to Mizoram
Mizoram University	5-10 <sup>th</sup> March, 2018	Workshop on Statistical and Computing Methods for Life Science Data Analysis
Manipur University	16-20 <sup>th</sup> March, 2018	105 <sup>th</sup> Indian Science Congress
Mizoram University	9-11 <sup>th</sup> April., 2018	National Conference on Strategies for Development of Higher Education in Northeast India

**Seminar/Symposia/Workshop Organized:** None

**Research Projects:** None

## **Research & Teaching Experience**

Research: 6 Years

Teaching: UG: 1Year and 6 months

PG: 4 Years and 4 months

PG + Ph.D.: 5 Years

Total Number of Publications

i)	Research Papers:	11
ii)	Review Papers:	None
iii)	Books/Book Chapters:	2
iv)	Articles in News Papers/Magazines etc.:	None

Citation Details (as on 24<sup>th</sup> Oct., 2018)

	Google Scholar	Scopus
h index	2	.....
i10 index	1	.....
Total Citations	33	.....
Cumulative Impact factor: Nil		

Link for Google Scholar: [https://scholar.google.com/citations?user=nRau\\_KAAAAAJ](https://scholar.google.com/citations?user=nRau_KAAAAAJ)

Link for Research Gate: [https://www.researchgate.net/profile/Sandhyarani\\_Khomdram](https://www.researchgate.net/profile/Sandhyarani_Khomdram)

Research Guidance:

i)	Ph.D.	Awarded:	None
		Registered:	4
ii)	M.Phil	Awarded:	None
		Registered:	None

Ph.D. Student Details

Sl. No.	Name of Student	Thesis Title	Status
1.	Lalfakawma	Floristic Diversity of Angiosperms in Ngengpui Wildlife Sanctuary, Mizoram	Registered
2.	Margaret Lalhupui	Taxonomic and Palynological studies on members of Gesneriaceae family of Mizoram, India	Registered
3.	Laltlanhlui	Studies on species diversity and systematic implications of seed coat morphology of Ericaceae in Mizoram, India	Registered
4.	K. Thangliankhup	Ethnobotanical diversity and phytochemical studies of selected plant species in Churachandpur District, Manipur	Registered

Full Details of Published Papers:

A. Book/Book Chapters

- i) **S. D. Khomdram** and P. K. Singh (2012). Harnessing the Economic Potential of an interesting Aromatic Lamiaceae Plant *Microtoena patchoulii* (Clarke ex Hook.) Wu &

Hsuan in Manipur, India. *Proceedings of National Seminar on RANPR*.187-190.

ii) **S. D. Khomdram** and P. K. Singh (2013). The Checklist of Lamiaceae Flora in Thoubal District, Manipur in Singh, K.K., Das, K.C. & Lalruatsanga H. (EDS.) *Bioresources and Traditional Knowledge of Northeast India*, pp 10-13.

B. Review Papers

- i. None

C. Research Papers

1. Y. S. Devi, **Kh. S. Devi** and P.K. Singh (2007). Floristic Study on Epiphytic Pteridophytes of Thoubal district, Manipur. *Indian. J. Environ. & Ecoplan.* **14(3)**: 513-516.
2. **Kh. Sandhyarani Devi**, Y. Sanatombi Devi and P. K. Singh (2008). Floristic distribution of an invasive weed *Hyptis suaveolens* Poit. in the valley districts of Manipur. *Indian. J. Environ. & Ecoplan.* **15(1-2)**:177-180.
3. Y. S. Devi, **Kh. S. Devi**. and P. K. Singh (2008).Two new additions to the Pteridophytic Flora of Manipur, North- East India. *Folia Malaysiana* **9(1)**: 35-42.
4. P.K. Singh, S.D. Yumkham, **S. D. Khomdram**, Y. N. Devi, S. P. Devi, A. K. Devi & D. S. Ningombam(2008). *Croton caudatus* Geisel. (Euphorbiaceae): A new record for Manipur, North-East India. *Folia Malaysiana* **9(2)**: 141-148.
5. **S. D. Khomdram**, S. D. Yumkham and P. K. Singh (2009). A Census on Edible Flowers found in the Valley Districts of Manipur. *J. Econ. Taxon. Bot.* **33(1)**: 232-239.
6. **S. D. Khomdram** and P. K. Singh (2011). Polyphenolic Compounds and Free Radical Scavenging Activity in Eight Lamiaceae Herbs of Manipur. *Not. Sci. Biol.* **3(2)**:108-113.
7. **S. D. Khomdram**, J.S. Salam and P. K. Singh (2011). Estimation of Nutritive Indices in Eight Lamiaceae Plants of Manipur. *American Journal of Food Technology* 6(10): 924-931.
8. **S. D. Khomdram**, S. D. Yumkham and P. K. Singh (2011). *Hyptis pectinata* (Linnaeus) Poiteau (Lamiaceae), an addition to the State Flora of Manipur, India. *Pleione* 5(1): 188 - 192.
9. **S.D. Khomdram**, Y. N. Devi and P.K. Singh (2011). Ethnobotanical uses of Lamiaceae in Manipur, India. *Ethnobotany* 23: 64-69.
10. **S. D. Khomdram**, Y. Nanda Devi and P. K. Singh(2012). *The Family Lamiaceae of Manipur, India. Indian Forester* **138(7)**: 616-623.
11. S.D. Yumkham, P.K. Singh, **S.D. Khomdram** (2017). Observations on indusia in *Adiantum* L. (Pteridaceae: Vittarioideae) of North-East India. *Pleione* 11(2): 241 - 248.

## PAPERS PRESENTED AT DIFFERENT SYMPOSIUMS

1. Presented Paper entitled “ Less known ferns and fern-allies of Manipur with ethnobotanic uses” organized by The Indian Fern Society and NBRI, Lucknow on **International Symposium on Perspectives in Pteridophytes** from 27-29<sup>th</sup> Nov., 2008.
2. Presented Paper entitled “Sustainable Uses of *Ocimum* L. (Lamiaceae) in Manipur” on **Education and Communication of Climate Change for Biodiversity Conservation** organized by Department of Botany, Nambal Sanoi College, Manipur from 20-31 December, 2010.
3. Presented paper entitled “Conservation and Sustainable Utilization of tree Lamiaceae in Manipur” on **National Symposium on Biodiversity status and conservation Strategies with Special Reference to North-East India** organized by Department of Life Sciences, Manipur University from 17-18<sup>th</sup> March, 2011.
4. Presented Paper entitled “Review on the therapeutic Uses of *Hyptis suaveolens* Poit. (Lamiaceae)” on **National Seminar on Sustainable Cropping of Medicinal Plants Biodiversity Conservation** organized G.P. Women’s College, Manipur from 14-15<sup>th</sup> March, 2012.
5. Presented Paper entitled “Invasive Alien Species for the flora of Manipur, North East India: Distribution and Impacts” on **Innovations in Science and Technology for Inclusive Development**, ISCA Imphal Chapter from 30-31<sup>st</sup> December, 2013.
6. Presented Paper entitled “Floristic diversity of Lamiaceae in Manipur” on national Seminar on **Plant Diversity Resources of Indo-Burma Biodiversity Hotspot and their Conservation** organized by Department of Botany, D.M. College of Science, Manipur from 16-17<sup>th</sup> April, 2012.
7. Presented Paper entitled “Indigenous use of plants as insect repellents in Aizawl, Mizoram” on **National Conference on Impact of Climate Change on Biodiversity: applications of Recent Technologies for Conservation of Threatened Species** organized by Dept of Zoology, Mizoram University from 22-24<sup>th</sup> Sept, 2016.
8. Presented Paper entitled “Ethnobotanical Knowledge on edible flowers of Mizoram” on **International conference on Natural Resources management for Sustainable Development and Rural Livelihood** organized by Dept. of Geography & Resource Management, MZU from 26-28 October, 2017.

9. Presented Paper entitled “Critical Notes on the genus *Stachytarpheta* Vahl (Verbenaceae) of Mizoram, India” on **International Seminar on Sustainable Development and North East India in the Globalized Era** organized by Federation of Govt. Teachers’ Association, Manipur from 29-30<sup>th</sup> Dec., 2017.