

## **CURRICULUM VITAE**

**NAME:** Dr. Lily Bell Ch Marak

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**FATHER'S NAME:** Late. Jackson N. Sangma

**MOTHER'S NAME:** Smt. Rosoni Ch. Marak

**TEACHING EXPERIENCE:** 22 years as Assistant Professor , Department of Botany

Don Bosco College, Tura, Meghalaya.

### **EDUCATIONAL QUALIFICATION:**

| DEGREE                        | INSTITUTION                             | BOARD/<br>UNIVERSITY | YEAR | %  |
|-------------------------------|---|----------------------|------|----|
| HSLC                          | Christian Girl's School, Tura           | MBOSE                | 1992 | 58 |
| Pre-University                | Don Bosco College, Tura                 | NEHU                 | 1994 | 57 |
| B.Sc (Botany)                 | Tura Government College                 | NEHU                 | 1997 | 56 |
| M.Sc (Botany)                 | Department of Botany, NEHU,<br>Shillong | NEHU                 | 1999 | 60 |
| PhD (Applied<br>Horticulture) | Department of RDAP, NEHU                | NEHU                 | 2018 |    |

**Topic of PhD Research:** Study on pathogenic microbes of indigenous fruit plants in Nokrek Biosphere Reserve.



#### RESEARCH PUBLICATIONS: ( UGC-Care List)

- 1) Marak, Lily Bell Ch, Pereira Lolly S and Mathew Binu. 2022. Influence of soil microbes on plant pathogens of *Artocarpus heterophyllus* in Nokrek Biosphere Reserve. *Agricultural Research Journal*, Vol **59** (1):162-166 ISSN 2395-146X
- 2) Marak, Lily Bell Ch. and Pereira, Lolly S., 2019. “Relationship between soil microbes and plant pathogens associated with *Ziziphus zizyphus* in Nokrek Biosphere Reserve of Garo Hills of Meghalaya” *Research on Crops*, Vol. **20** (3):531-536 ISSN 0972-3226.
- 3) Marak, Lily Bell Ch., Pereira, Lolly.S., Chakraborty,R. and Mazumdar, D. 2019. “Relationship between soil microbes and plant pathogens associated with *Baccaurea ramiflora* in Nokrek Biosphere Reserve of Meghalaya ”*Plant Archives*, Vol. **19** (1):821-826 ISSN 0972-5210.
- 4) Marak, Lily Bell Ch, Pereira, Lolly S., Chakraborty, R. and Mazumdar, D. 2018. “Plant pathogens and soil microbes associated with *Citrus indica* in Nokrek Biosphere Reserve of Meghalaya” *Research on Crops*, Vol. **19** (3):486-491 ISSN 0972-3226.
- 5) Marak, Lily Bell Ch, Pereira, Lolly S., Chakraborty,R. and Mazumdar, D. 2018. “Diversity of plant pathogens and soil microbes associated with *Embllica officinalis* in Nokrek Biosphere Reserve of Meghalaya” *Environment and Ecology*, Vol. **36** (1):1-6 ISSN 0970-0420 ( UGC Notified List, 2<sup>nd</sup> May, 2018 Journal No. 19717: status-deleted)

#### RESEARCH PUBLICATIONS: ( with ISSN/ISBN No.)

- 1) Marak, Lily Bell Ch, Pereira, Lolly S. and Chakraborty, R. 2016.“ Diversity of Plant Pathogens and Soil Microbes associated with *Artocarpus heterophyllus* in Nokrek Biosphere Reserve of Meghalaya. (Peer Reviewed Journal) *Transient -A. J. of Natural Sciences and Allied Subjects* ,5:86-96. ISSN-2250-0650.

- 2) Chakraborty, R., Marak, Lily Bell Ch. and Pereira, Lolly S. 2015 “Heart rot of *Citrus indica* Tanaka caused by *Ganoderma lucidum* reported from Nokrek Biosphere Reserve in Garo Hills” *Indian Forester*, **141**(1): 120-121. ISSN 2321-0940.
- 3) Chakraborty, R., Marak, Lily Bell Ch. and Periera, Lolly S. 2015. “ Impact of jhum cultivation on forest ecosystem in Nokrek Biosphere Reserve of Garo Hills with special reference to certain soil microflora” *Proceedings of National Seminar*, 10<sup>th</sup>-11<sup>th</sup> December, 2014, pp.183-187. ISBN 97893-85230-05-9.
- 4) Chakraborty, R., Marak, Lily Bell Ch. and Pereira, Lolly S. 2014 “ Study of air microbes over sugarcane field infected by red rot disease” *Transient -A. J. of Natural Sciences and Allied Subjects* ,**4**: 14-20. ISSN-2250-0650.

#### **ACADEMIC ACTIVITIES:**

**2011-** Participated in UGC and ICSSR sponsored National Seminar “Status of Biodiversity in India: Conservation and Social Relevance with Reference to North East India organized by Department of Botany and Zoology on 8<sup>th</sup> and 9<sup>th</sup> August.

**2011-** Attended One Day Workshop on Pollution Control and Waste Management sponsored by Meghalaya State Pollution Control Board and organized by Department of Chemistry, Don Bosco College, Tura on 18<sup>th</sup> October.

**2012-** Participated in One Day Symposium entitled “Tribal Societies in a Modernizing World” sponsored by ICSSR and organized by Don Bosco College, Tura on 30<sup>th</sup> March.

**2013-** Participated in NAAC sponsored National Seminar “ Quality Sustenance in NAAC Accredited Institutions of Higher Education” organized by IQAC, Don Bosco College, Tura on 6<sup>th</sup> and 7<sup>th</sup> May.

**2014-** Attended Short-term Course in Research Methodology from 24<sup>th</sup>-29<sup>th</sup> March, organised by Department of RDAP, NEHU, Tura Campus sponsored by UGC-ASC, NEHU, Shillong.

**2014-** Presented a paper titled “Impact of jhum cultivation on forest ecosystem in Nokrek Biosphere Reserve with special reference to certain soil microflora” in the UGC sponsored National Seminar titled Newer Trends in Chemistry and Environment organized by Department of Chemistry, Don Bosco College, Tura on 10<sup>th</sup> and 11<sup>th</sup> December.

**2015-** Presented a poster titled “Phytoremediation – an innovative and ecofriendly approach to clean and green environment” in the DBT sponsored National Seminar on Bioinformatics and Computational Biology organised by Department of Rural Development and Agricultural Production, NEHU, Tura Campus on 5<sup>th</sup> October.

**2015-** Participated in Hands on Training Workshop on PCR Techniques and its applications organized by Department of Horticulture, North-Eastern Hill University, Tura Campus and sponsored by UGC from 28<sup>th</sup> September-1<sup>st</sup> October.

**2015-** Participated in workshop on “Reimagining Education for the 21<sup>st</sup> Century” organized by Department of Education, Assam Don Bosco University on 3<sup>rd</sup> and 4<sup>th</sup> February.

**2016-** Attended a Staff Orientation Programme at Don Bosco, Rongkhon sponsored by Don Bosco College from 23<sup>rd</sup> June-25<sup>th</sup> June.

**2018-** Participated in National workshop on conservation of biodiversity organized by Department of Horticulture, North-Eastern Hill University, Tura Campus, Department of Botany, Goalpara College, Assam and Department of Zoology, Don Bosco College on 28<sup>th</sup> November, 2018.

**2018-** Participated in Popular Lectures on Modern Technology in Biological Sciences organized by Institutional Biotech Hub, Don Bosco College, Tura and sponsored by Department of Biotechnology, Ministry of Science and Technology, Govt of India on 25<sup>th</sup> September, 2018.

**2018** – Participated in One Day National Workshop on Maximal Usage of Foldscope to Explore Miniatures in the World sponsored by Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India, New Delhi and organized by Department of Rural Development and Agricultural Production, North-Eastern Hill University, Tura Campus, Department of Biotechnology, Stella Maris College, Chennai and Department of Zoology, Don Bosco College, Tura on 11<sup>th</sup> September, 2018.

**2023** – Participated in National Seminar on Representation of Women of North East India in Multidisciplinary Discourse organized by Internal Quality Assurance Cell (IQAC), Department of Philosophy and Internal Complaints Committee, Don Bosco College, Tura on 28<sup>th</sup> and 29<sup>th</sup> April, 2023.