

## **FACULTY PROFILE**

**Name** : Dr. Marpliephar Lyndem  
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**Joined on** : 01-05-1997  
**Educational Qualification** : M. Sc (NEHU), Ph.D (NIT Meghalaya)  
**Awards/Fellowships/Scholarship** :

- (i) Korbar Sing Memorial Award 1988
- (ii) State Talent Search Scholarship Award 1989
- (iii) Khasi National Awakening Day Award 1994
- (iv) Ka Khusnam Ki Khlur ka Ri Award 1994

**Teaching Experience** : 25 years  
**Research Experience** : Department of Physics, NIT Meghalaya, (2014-2019)  
**Professional Training** : Optical properties and Phase transition of Liquid Crystal Compounds  
**Member of Academic Bodies** : Indian Physics Association

**Publications** :

1. M. Lyndem, D. Bhattacharjee, R. Dabrowski and A. Bhattacharjee. “*Birefringence and temperature-gradient refractive index study of a laterally Fluorinated Terphenyl LC compound*”. (XVII IUPAP Conference on Computational Physics(CCP2015). Journal of Physics: Conference Series **759**, 1 (2016). doi: 10.1088/1742-6596/759/1/012016. Publisher: IOP Publishing[2004-present Journal of Physics: Conference Series doi:10.1088/issn.1742-6596, Online ISSN: 1742-6596, Print ISSN: 1742-6588]
2. M. Lyndem, R. Dabrowski and A. Bhattacharjee. “*Study of the effect of temperature on the optical properties of a laterally Fluorinated LC compound*”. Molecular Crystals and Liquid Crystals, (2017) **658**(1):81-91 doi: 10.1080/15421406.2017.1416806. Publisher: Taylor & Francis Group

3. Marpliephar Lyndem, Roman Dabrowski and Ayon Bhattacharjee. “*Comparative Raman study of two laterally fluorinated LC compounds having different terminal chains*”. *Liquid Crystals*, (2019) **46(7)**:1145-1155  
doi.org/10.1080/02678292.2018.1558463. Publisher: Taylor & Francis Group.
4. Marpliephar Lyndem, Ayon Bhattacharjee and Roman Dabrowski. “*Raman and FTIR Study of a 2, 3'-difluoro-4"-isothiocyanato-4-propyl-1,1':4',1"-terphenyl compound or C3P(3F)P(3F)P-NCS*”. *Molecular Crystals and Liquid Crystals*, (2019) **681(1)**:45-57  
doi.org/10.1080/15421406.2019.1651535. Publisher: Taylor & Francis Group.

**Abstracts & Presentation in National/ International Seminar/Symposium** :

Poster presentation in the International Conference on Computational Physics of XVII IUPAP (CCP2015) in December 2015 at IIT Guwahati

**Additional Responsibilities since 2018 (in St Edmund's College):**

Ex Convener of the Debate and Quiz committee