CURRICULUM VITAE

Name: **Larisha M. Lyndem**
Designation: **Professor**
Affiliation: **Department of Zoology,**
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Qualification: **Ph.D**

A. Position:

- **As a Professor at Visva-Bharati since 2015 till date**
- **As an Associate Professor at Visva-Bharati 2012-2015**
- **As an Assitant Professor at Visva-Bharati since May 2007-2012**
- **As a Lecturer at Department of RDAP,North Eastern Hill University Tura Campus, Meghalaya December 2006-May 2007**
- **As a lecturer at Don Bosco college, Tura, Meghalaya since June 2001-December 2006**

B. Honours/Awards:

- **Swarna Jayanti Puraskar** for the best research paper in the Section of Biological Sciences organized by **"The National Academy of Sciences, India"** 25th-27th October, 2002.

- **Best Poster Presentation** at the **3rd Global Meet on Parasitic Diseases** organized by the "**Indian Society Of Parasitology"** in Bangalore University, Bangalore.12th -16th January, 2004.

C.Professional Experience:

Profesional experience relevant to Helminth Infection

Dr. Larisha M. Lyndem is working on prevalence and treatment of helminth infection of zoonotic and social importance for several years. She is presently screening on different medicinal plants, phytochemical compounds, their mode and mechanism of action and toxicity studies. She is also currently working on isolation and characterizing of probiotics of indigenous source of helminth infection and evaluate their mode of action.

- **Ph.D students 10 (4 awarded and 6 ongoing)**
- **Post Graduate students dissertation guided 39**
- **Teaching experience: 21year**

D. Publications:

1. Sudeshna Mandal, Chandrani Mondal, Tanmoy Mukherjee, Samiparna Saha, Anirban Kundu, Sinchan Ghosh and **Larisha M. Lyndem** (2022). Hymenolepis diminuta Reduce Lactic Acid Bacterial Load and Induce Dysbiosis in the Early Infection of the Probiotic Colonization of Swiss Albino Rat. **Microorganisms 10,2328. https://doi.org/10.3390/microorganisms10122328.**
2. Suman Kundu, Sudeshna Mandal, Chandrani Mondal and **Larisha M Lyndem** (2021). Alteration in the Tegumental Enzymes of *Hymenolepis diminuta* by *Senna spp* ***Acta Scientific MICROBIOLOGY (ISSN: 2581-3226)4 (11)***
3. Bidisha Ukil, Nikhilesh Joardar, Santi P Sinha Babu and **Larisha M Lyndem** (2021). Effect of Senna plant on the mitochondrial activity of *Hymenolepis diminuta*. ***Journal of Parasitic diseasesdoi.org/10.1007/s12639-021-01415-9***
4. Saptarshi Roy, Nikhilesh Joardar, Santi P Sinha Babu and **Larisha M Lyndem** (2020). Senna plant generates reactive oxygen species (ROS) and induces apoptosis in Hymenolepis diminuta. ***Molecular & Biochemical Parasitology doi: 10.1016/j.molbiopara.2020.111297.***
5. Saptarshi Roy and **Larisha M. Lyndem** (2019). An in vitro confirmation of the ethonopharmacological use of Senna plants as anthelmintic against rumen fluke *Paramphistomum gracile*. ***BMC Veterinary Research doi: 10.1186/s12917-019-2094-3.***
6. Bidisha Ukil, Suman Kundu and **Larisha M. Lyndem** (2018). Functional Imaging of Neurotransmitters in Hymenolepis diminuta treated with Senna plant through light and confocal microscopy. ***Microscopy and Microanalysis doi:10.1017/S143192761801526X***
7. Bidisha Ukil, Saptarshi Roy, Surmjana Nandi and **Larisha M. Lyndem**. (2018). Senna plant induces disruption on the mitochondria of *Hymenolepis diminuta*. ***International Journal of Pharmacy and Pharmaceutical Sciences 10(5):136-138. IF-0.51***
8. S. Nandi, B. Ukil & **L. M. Lyndem**. (2017). Acute and sub-acute toxicological evaluation of the alcoholic leaf and root extracts of *Clerodendrum infortunatum* L. ***Natural Product Research, DOI: 10.1080/14786419.2017.1360879 IF-1.82***
9. Saptarshi Roy, Bidisha Ukil and **Larisha M. Lyndem**.(2016). "Acute and sub-acute toxicity studies on the effect of Senna alata on Swiss albino mice". Cogent Biology Volume 2: 1272166.
10. Suranjana Nandi, Bidisha Ukil, Saptarshi Roy, Suman Kundu and **Larisha M. Lyndem** (2016). Anthelmintic efficacy of *Clerodendrum viscosum* on fowl tapeworm *Raillietina tetragona*. Pharmaceutical Biology 55 (1): 1401-1406. **IF-1.91**

11. Saptarshi Roy, Suman Kundu and **Larisha M. Lyndem** (2016). *Senna* leaf extracts induced Ca+2 homeostasis in a zoonotic tapeworm *Hymenolepis diminuta* Pharmaceutical Biology 54 (10):2353-7. **IF-1.91**
12. Suman Kundu, Saptarshi Roy and **Larisha M. Lyndem** (2016). Synergistic effect of two combinations of Senna plant on the tegument of a rat tapeworm *Hymenolepis diminuta*. International Journal of Pharmacy and Pharmaceutical Sciences 8:1 457-458.**IF-0.51**
13. Suman Kundu, Saptarshi Roy, Suranjana Nandi, Bidisha Ukil, **Larisha M. Lyndem**. (2016). *Senna alexandrina* Mill. Induced utrastructural changes on *Hymenolepis diminuta* Journal of Parasitic Diseases 41 (1)147-154.
14. Suman Kundu, Saptarshi Roy, Suranjana Nandi, Bidisha Ukil, **Larisha M. Lyndem**. (2015). In vitro anthelmintic effects of *Senna occidentalis* (l.) link (Leguminosae) on rat tapeworm *Hymenolepis diminuta*. International Journal of Pharmacy and Pharmaceutical Sciences 7(6) 268-271.
15. Suranjana Nandi and **Larisha M Lyndem** (2015). *Clerodendrum viscosum*: traditional uses, pharmacological activities and phytochemical constituents. Natural Product Research, 30(5):497-506.IF-1.82
16. Suman Kundu, Saptarshi Roy, **Larisha Mawkhleing Lyndem** (2014). Broad spectrum anthelmintic potential of *Cassia* plants. Asian Pacific Journal of Tropical Biomedicine 4 (Suppl 1): S436-S441.
17. Kundu, S and **Lyndem, LM** (2013). An in vitro screening for cestocidal activity of three species of Cassia plants against the tapeworm *Raillietina tetragona*. Journal of Helminthology:87,154-159..
18. S. Kundu, S Roy and **LMLyndem** (2012). *Cassia alata* L: Potential role as anthelmintic agent against *Hymenolepis diminuta*. Parasitology Research 111, 1187-1192.
19. Kundu S and **Lyndem LM** (2011). Anticestodal effect of medicinal plants from West Bengal. Proceedings of 22nd National Congress of Parasitology pp 72-75.
20. B. Das, V.Tandon **L.M.Lyndem,** A.I. Gray, and V.A.Ferro (2009) – Phytochemicals from *Flemingia vestita* (Fabaceae) and *Stephania glabra* (Menispermaceae) alter cGMP concentration in the cestode *Raillietina echinobothrida*. Comparative Biochemistry and Physiology, Part C vol. 149(3) 397-408.
21. **L.M.Lyndem**, V.Tandon and B. Das (2008)- Anthelmintic efficacy of medicinal plants from Northeast India against Hookworms: an In vitro Study on *Ancylostoma ceylanicum*. Pharmacologyonline 3:697-707.
22. V.Tandon, **L.M.Lyndem**, P.K.Kar, P.Pal and B.Das (2004) - Anthelmintic efficacy of extract of *Stephania glabra* and root extract of *Trichosanthus multiloba* in vitro: two indigenous plants in Shillong, India. Journal of Parasitic diseases 28 (1) 37-44.

23. **L.M.Lyndem** and V.Tandon (2003). Hookworm Infection: Prevalence among the tribal populations of Meghalaya (North East India) and development of the infective stage larvae under varied environmental conditions. Science letter vol. 26 No 3&4 93-100.
24. **L.M.Lyndem** and V.Tandon (2002). Hookworm Infection among the rural tribal populations of Meghalaya (North East India). Journal of Parasitic diseases 26(2) 60-68.
25. V.Tandon and **L.M.Lyndem** (1998). Hookworm Infection: Influence of ambient climatic factors on the development and hatching of eggs and development and survival of infective larvae. Proceedings of the 9th International Congress Of Parasitology, ICOPA 1X, 791-794.
26. **LMLyndem** V.Tandon and AK Yadav (1998). A cross-sectional study of a rural community in a subtropical, High Rainfall Area of Meghalaya, India. Journal of Parasitic Diseases Vol. 22. 44-47.

E. Projects Sanctioned:

Title of the project	**Duration**	**Cost**	**Funding**	**Remarks**
An in Vitro treatment of medicinal plants of West Bengal on tapeworm	2011-2014	**11,35000/-**	University Grants Commission, India	**Completed**

F. Member of Society and Reviewers

- **Indian Society of Parasitology**
- **The Zoological Society, Kolkata**
- **Meghalaya Biodiversity Board, Government of Meghalaya**
- **Reviewer of projects of DST -SERB, Govt. of India**
- **Reviewer of journals Cellular and Molecular Parasitology, Helminthology, Parasitology Research, Natural Products and Communication, Journal of Parasitic Diseases**