**Department of Botany**

**History**

The Department of Botany under St. Edmund’s College, Shillong came into existence on the 1st of November, 1949 with the appointment of (L) Prof. N.C. Debroy. The first batch of under-graduate course in Botany started in the year 1962. Prof. D. Choudhury, the current Vice Principal of the college, joined the department as Lecturer in the year 1970 and assumed headship since 1972 and for another 36 long years he steered the department into becoming one of the best departments in the college. He is a legacy to the Department of Botany.

Dr. B. Neogi, currently retired, joined as Lecturer in the year 1981 and served the department till 2007. He is mainly responsible for the vast collection of plant herbaria in the department especially in plants of ethnobotanical importance.

Dr. M.C. Paul, the current Head of the Department, joined the department as Lecturer in the year 1984 and assumed headship since the year 2008 till date. During his headship, and because of his flexibility and innovativeness, the department has undergone a major transformation in infrastructural facilities and laboratory equipments for better teaching and research.

Many others have come and gone and are currently teaching in various universities in India and abroad. The department also remembers (L) Dr. S. Myrthong whose knowledge and contribution in the field of Plant Taxonomy till date is unparallel.

Dr. S. Goswami, currently a member of the department faculty, joined the department as Lecturer in the year 1999 and is serving the department since then. Mr. D. Syiemiong joined the department as Lecturer in the year 2007, Dr. E.V. Kharshiing joined the department as Lecturer in the year 2008 and finally, Mr. V. Manners joined the department as Assistant Professor in the year 2011. Mr. E. Khonglam joined the department as Laboratory Assistant in the year 2011 after the retirement of Shri. S.C. Paul.

The Department of Botany is one of the science departments in the college receiving funds from the Department of Biotechnology, New Delhi, Ministry of Science & Technology, Govt. of India under the Star College Scheme for potential of excellence.

**Courses offered**

1. B.Sc. in Botany (Hons).
2. UGC-sponsored one-year career oriented course in mushroom cultivation.
Makhan C. Paul, Ph.D.
Head, Department
Phone: +91-9436118926
E-mail: paulmc2002@yahoo.com

Education
North Eastern Hill University, Shillong, India: Ph.D. (Botany), 1991, under Prof. R.R.Mishra
North Eastern Hill University, Shillong, India: M.Sc. (Botany), 1982.
North Eastern Hill University, Shillong, India: B.Sc. Honours (Botany), 1978

Workshop/Seminar/Conferences organized
1. Member of organizing committee of the “1st Conference of Meghalaya College Teachers in Botany 2013” jointly organised by Depts of Botany, St. Edmund’s College and Union Christian College, INDIA – 2013.
2. Member of organizing committee of Regional Workshop on “Community Participation in Bio-resource Management with Special Reference to Traditional Medicine of the Khasis of Meghalaya” organised by Dept of Botany, St. Edmund’s College, INDIA – 2011.
3. Member of organizing committee of Workshop on “Fundamental Processes of Living Plants” organised by Dept of Botany, St. Edmund’s College, INDIA – 2009.
4. Member of organizing committee of “National Seminar on toxicity of chemicals & their hazards with special reference to heavy metals” organised by Dept of Chemistry, St.Edmund’s College, INDIA – 2008.

Sanjiban Goswami, Ph.D.
Phone: +91-9863022950
E-mail: sanjiban2000@yahoo.com

Education:
North Eastern Hill University, Shillong, India: Ph.D. (Botany) 2002, under Prof. H. N. Pandey, Head Department of Botany.
North Eastern Hill University, Shillong, India: M.Sc. (Botany) 1993
North Eastern Hill University, Shillong, India: B.Sc. Honours (Botany) 1991

Teaching experience
1998 – Present: Associate Professor, Dept. of Botany.

Project:
Projects1. 2011-2012 University Grants Commission, Seed Biology of Schima wallichii and Schima khasiana.

Publications:

**Current Research Interests**

1. Reproductive Biology of Tree Species.
2. Developmental Biology in plants.

**Workshop/Seminar/Conferences organized**

1. Convenor of the “1st Conference of Meghalaya College Teachers in Botany 2013” jointly organized by Depts of Botany, St. Edmund’s College and Union Christian College, INDIA – 2013
2. Member of organizing committee of Regional Workshop on “Community Participation in Bio-resource Management with Special Reference to Traditional Medicine of the Khasis of Meghalaya” organised by Dept of Botany, St. Edmund’s College, INDIA – 2011
3. Member of organizing committee of Workshop on “Fundamental Processes of Living Plants” organised by Dept of Botany, St. Edmund’s College, INDIA - 2009
4. Member of organizing committee of “National Seminar on toxicity of chemicals & their hazards with special reference to heavy metals” organised by Dept of Chemistry, St. Edmund’s College, INDIA - 2008

**Workshop/Seminar/Conferences attended**

**Paper Presentation**

3. Goswami, S. (2013): Plant Diversity and Seed Habit 2013 In: School level Workshop on Biodiversity, Department of Biotechnology, St. Edmund’s College, Shillong
4. Goswami, S. (2012): Biodiversity and Ecotourism In: Regional Workshop on Environmental service learning, conservation of hotspots of biodiversity and ecotourism, Organised by Bishop Heber College, Tiruchirapalli at St. Anthony’s College, Shillong

**Debulman Syiemiong, M.Sc. NET**

Phone:- +91-9089077774  
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**Educational Qualification**

1. Qualified the ASRB (ICAR) National Eligibility Test (NET) for Lectureship / Asst. Professorship. Feb 2013
2. Qualified the Joint CSIR-UGC National Eligibility Test (NET) for Junior Research Fellowship (JRF) and Lectureship. Dec 2002
3. Jawaharlal Nehru University, New Delhi: M.Sc. (Life Sciences) Jul 2003

**Teaching & Research**

1. 2007 – Present; Asst Professor, Department of Botany
2. Currently pursuing Ph.D. in Microbiology & Plant Pathology under the Department of Botany, Gauhati University, Assam.

Publications

Current Research Interests
1. Biodiversity of actinobacteria in different habitats.
2. Screening of actinobacteria for anti-microbial and plant growth promoting properties.
3. Medicinal plants.

Workshop/Seminar/Conferences organized
1. Member of organizing committee of the “1st Conference of Meghalaya College Teachers in Botany 2013” jointly organised by Depts of Botany, St. Edmund’s College and Union Christian College, INDIA – 2013
2. Member of organizing committee of Regional Workshop on “Community Participation in Bio-resource Management with Special Reference to Traditional Medicine of the Khasis of Meghalaya” organised by Dept of Botany, St. Edmund’s College, INDIA – 2011
3. Member of organizing committee of Workshop on “Fundamental Processes of Living Plants” organised by Dept of Botany, St. Edmund’s College, INDIA - 2009
4. Member of organizing committee of “National Seminar on toxicity of chemicals & their hazards with special reference to heavy metals” organised by Dept of Chemistry, St.Edmund’s College, INDIA - 2008

Conference Posters/Abstracts/Presentation

Eros Vasil Kharshiing, Ph.D.
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E-mail:- eros.kharshiing@gmail.com

Education
1. University of Hyderabad (Hyderabad, INDIA), Ph.D. (Plant Sciences) 2007 with Prof R P Sharma
2. North Eastern Hill University (Meghalaya, INDIA), M.Sc. (Botany) Jul 2002
3. North Eastern Hill University (Meghalaya, INDIA), B.Sc. Honours (Botany) Jul 2000

Teaching and Research
1. 2008 – Present; Asst Professor, Department of Botany
2. 2012 – 2013; Biotechnology Overseas Associate (DBT) at Institute of Molecular, Cell & Systems Biology, University of Glasgow, UK with Prof John M Christie
3. 2012; Recognition as Joint Supervisor for Ph.D. guidance under School of Life Sciences, North Eastern Hill University, Meghalaya
4. 2012; Science and Engineering Research Board (GoI) Fast Track Scheme for Young Scientists
5. 2007 – 2008; ENEA Annual Research Fellowship award for Post-doctoral training. (ENEA) Rome, Italy with Prof Giuliano Giovanni
6. Apr 2006 – Jul 2006; DST-DAAD Visiting Scholar at Albert-Ludswig Universitat, Freiburg, Germany with Prof Klaus Palme
7. May 2005 – Aug 2005; DST-DAAD Visiting Scholar at Albert-Ludswig Universitat, Freiburg, Germany with Prof Klaus Palme
8. Feb 2005 – Sep 2007; Council of Scientific and Industrial Research (CSIR), New Delhi, India, Senior Research Fellow
9. Feb 2003 – Feb 2005; Council of Scientific and Industrial Research (CSIR), New Delhi, India, Junior Research Fellow
10. Jun 2002; Qualified the Joint CSIR-UGC National Eligibility Test (NET) for Junior Research Fellowship (JRF) and Lectureship

**Current Research Interests**
1. Photoreceptor function and signaling in adaptive responses of higher plants.
2. Bioactivity of medicinal plant extracts.
3. Other research interest includes documenting the traditional knowledge of tribal groups of Meghalaya with special relevance to medicinal plants.

**Research Support**
2. Science & Engineering Research Board (Department of Science and Technology) 2012 - 2015

**Workshop/Seminar/Conferences organized**
1. Convenor of Regional Workshop on “Community Participation in Bio-resource Management with Special Reference to Traditional Medicine of the Khasis of Meghalaya” organised by Dept of Botany, St. Edmund’s College, INDIA – 2011
2. Member of organizing committee of Workshop on “Fundamental Processes of Living Plants” organised by Dept of Botany, St. Edmund’s College, INDIA - 2009
3. Member of organizing committee of “National Seminar on toxicity of chemicals & their hazards with special reference to heavy metals” organised by Dept of Chemistry, St.Edmund’s College, INDIA - 2008

**Research Publications**

**Conference Posters/Abstracts (2008 onwards)**


**Dr. Wympher Langstang, Ph.D**

**Contact No:** 9856501245  
**Email:** wlangstang@gmail.com

**Title of thesis:** Embryological studies on *Gaultheria fragrantissima* Wall., an important medicinal plant.

**Experience**

1. **Technical Assistant** in Bio Resources Development Centre, Upper Shillong an autonomous society under Planning Department, Govt. of Meghalaya for a period of 4 years.
2. **AYUSH Scientific Officer** in AYUSH Drug Testing Laboratory (ISM& H Section), Pasteur Institute, Shillong, Govt. of Meghalaya for a period of 4 years 8 months.
3. **Assistant Professor** in Department of Botany, St. Edmund’s College, Laitumkhrah, Shillong for a period of 2 months 25 days till date.

**1. Publications**

3. Anther development and microsporogenesis in hermaphrodite and male sterile plants of *Gaultheria fragrantissima* Wall. Flora (Communicated).

**2. Presentation and Conferences**

1. Attended and participated in oral presentation entitled “**Anther development and microsporogenesis in hermaphrodite and male sterile plants of *Gaultheria fragrantissima* Wall**” in National Symposium on “Himalayan Biodiversity: Prospects and Challenges” held in the Centre of Advanced Studies in Botany, Department of Botany, North Eastern Hill University, Shillong from March 20-21,2014.
2. Attended and participated in poster presentation entitled **“Gaultheria fragrantissima Wall. : Medicinal and Wintergreen oil yielding plant growing in Meghalaya, North East India”** during the 96th Indian National Science Congress held in North Eastern Hills University during the 3rd – 7th January 2009.
3. Attended in National Roving Seminar on “**Traditional Knowledge**” organized by Ministry of Commerce and Industries, Government of India and the World Intellectual
Property Organization in association with Centre for Environmental Studies, NEHU during 07-08 August, 2008 at Shillong.

iv. Participated in the Regional Workshop on “Traditional Knowledge Based Biodiversity Conservation Practices in North East India” jointly organized by the United States Education Foundation in India, New Delhi and Centre for Environmental Studies, North Eastern Hill University, Shillong during 23-24, March, 2006.


3. Workshop and Trainings
   i. Participated in the “Short Term Training Programme on Analytical Instruments (GCMS, LCMS and HPLC system)” during 23rd -25th July 2014 held at the Central Analytical Instrumentation Facility(CAIF) Guwahati Biotech Park Incubation Centre, Guwahati, Assam.
   ii. Participated in a national workshop on “Reproductive biology of flowering plants for their conservation and improvement” organized by Delhi University Botanical Society, Dept. of Botany, Delhi University. Delhi- 110007.
   iii. Participated in a workshop on “Basic principles, preparatory methods and application in Transmission Electron Microscopy” organized by SAIF, NEHU, Shillong.

4. Achievements
   i. Certificate of excellence from St. Edmund’s college for securing 2nd position in the University/ Botany Examination-2002.

5. Other qualifications/activities
   i. Completed DTP courses in computer.
   ii. MS-DOS and MS Windows short term training.
   iii. Actively involved in sports and games.