

FACULTY PROFILE

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| Name | : JASMINE THERESE SAWIAN |
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| Joined on | : 29-05-2006 |
| Educational Qualification | : M.Sc., Ph.D. |
| Awards/Fellowships/Scholarship | : NET |
| Teaching Experience | : 16 years |
| Research Experience | : 17 years |
| Social recognition/ Award/ Scholarship | : M.Sc. (Gold Medal), M.Sc. (Merit Prize for highest marks), B.Sc. (H) (1 st rank) |
| Research Interest | : Pollution, Bioresources |
| Member of Academic Bodies | : Board of Studies in Environmental Studies |
| Publications | : <ul style="list-style-type: none">• Wild edible plants of Meghalaya, northeast India. 2007. Natural Product Radiance 6 (4):410-426.• Water pollution in Relation to Human Health. 2008. In: Environmental Studies, (ed., K.R. Gupta, M.A. Jankowska, K. Bosselmann and Pransanjit Maiti). Atlantic Publishers, New Delhi. (ISBN 978-81-269-0847-9)• <i>Myrica esculenta</i> Buch. – Ham. Ex D. Don. – a potential ethnomedicinal species in a subtropical forest on Meghalaya, northeast India. 2011. Asian Pacific Journal of Tropical Biomedicine (pp: S174-S177). ISSN 2221-1691• Medicinal Plants in the Sacred Forests of Southern Western Ghats. 2011. Experimental Phytochemical Techniques (ed, N. Raaman, New India Publishing Agency, New Delhi. (ISBN 978-93-8023594-3)• Mining and its Impacts on Aquatic Plants: A Case Study from Jaintia Hills of Meghalaya. 2014. In: Biodiversity in India, (eds., T. Pullaiah, S. Karuppusamy, S. Sandhya Rani). Regency Publications, New Delhi. (ISBN 978-81-8923-392-1)• Youth and their potential for change. 2015. In: Role of National Service Scheme in Nation Building, (ed., L. Kma). Excel Publishers, New Delhi, pp: 26-34. (ISBN – 978-93-84868-78-6)• Remote Sensing and GIS Technology: Its Applications. 2015. In: Reasserting Basic Sciences (eds, M.N. Bhattacharjee, E.N. Dkhar, D.L. Buam and I. S. Warjri). EBH Publishers, Guwahati, India. (ISBN –978-93-8325279-4).• A study on the pollution removal efficiency of three aquatic plants on the waters of river Umkhras in Shillong, Meghalaya. 2016. In: Proceedings of the International Conference on |

Water Resource Management in the Eastern Himalayan Region organized by St. Anthony's College, Shillong in collaboration with Meghalaya Water Resources Development Agency, Government of Meghalaya on November 4th to 5th, 2015. (ISBN: 978-81-910147-4-7)

- **Anthropogenic threats to orchids in Meghalaya with special reference to trade in wild orchids.** 2016. In: Biodiversity and Environmental Conservation, (ed., K. Upadhaya). Discovery Publishing House Pvt. Ltd., New Delhi. (ISBN 978-93-5056-775-3)
- **Assessment of Physicochemical and biological characteristics of selected springs in Shillong, Meghalaya.** 2017. In: Exploring Chemistry- Interface with Human Welfare (ed., M. N. Bhattacharjee, D.L. Buam, C. Masharing, B. M. Laloo, EBH Publishers (India), Guwahati. (ISBN – 978-93-83252-65-7)
- **Impact of domestic discharge on the water quality of river Umkhrah in Shillong, Meghalaya.** 2017. In: Environmental Degradation (eds, K.R. Sinha and Yvonne B. Nongrum). EBH Publishers, India. (ISBN: 9789386302021)
- **The Contribution of Indigenous Knowledge of the *Khasis* in Ecosystem Management.** 2018. In: Climate Change and Developing Countries (ed, Bashaikupar Lyngdoh Mawphlang). Cambridge Scholars Publishing, Lady Stephenson Library, Newcastle upon Tyne, NE6 2PA, UK. (ISBN (10): 1-5275-1174-X; ISBN (13): 978-1-5275-1174-3)
- **A survey of edible fresh fish resources in Iewduh (Bara Bazaar) in Shillong, Meghalaya.** Spectrum Science & Technology 6: 11-20. (ISSN: 23492937)
- **A study on the Diversity of Faunal Species found in Myntdu River, West Jaintia Hills District, Meghalaya.** 2021. In: Recent Advancements in Science and Technology, D. Nongsang, D. Paul and J.C.P. Marak (eds.), Sara Book Publication, Gujarat. (ISBN: 978-81-953072-3-4)

Abstracts & Presentation in National/ International Seminar/Symposium :

- **“Effect of coal stock drainage on the soil fertility and plant productivity (paddy) in Jaintia Hills District, Meghalaya”** in National Seminar on Burning Environmental Issues: Risk to Biodiversity and Human Health, with special reference to North East India organised by Saint Mary's College, Shillong on May 15-16, 2013.
- **“Impact of domestic discharge on the water quality of River Umkhrah in Shillong, Meghalaya”** in National Seminar on Burning Environmental Issues: Risk to Biodiversity and Human Health, with special reference to North East India organised by Saint Mary's College, Shillong on May 15-16, 2013.
- **“Remote Sensing and Geographical Information System: Its Applications”** in International Seminar on Attracting Best Talents in Basic Sciences organized by Shillong College in collaboration with IQAC Shillong College on July 24-25, 2013.
- **“Impact of Tributary Discharge on the water quality of River Umkhrah in Shillong, Meghalaya”** in National Conference on Biodiversity and Environment NCBE – 2014

organised by the United Board Heber Partnership for Environmental Action in Shillong Science Centre, NEHU on February 10-12, 2014.

- **“Anthropogenic threats to Orchids in Meghalaya”** in National Conference on Biodiversity: Challenges and Issues organized by the Albert Einstein Science Institute, Northeast Region, Shillong on June 5-6, 2014.
- **“Diversity of plants in the home-gardens of Shillong, Meghalaya”** in National Conference on Biodiversity: Challenges and Issues organized by the Albert Einstein Science Institute, Northeast Region, Shillong on June 5-6, 2014.
- **“*Prunus nepalensis* L. – a lesser known indigenous fruit of Meghalaya”** in National Conference on Biodiversity: Challenges and Issues organized by the Albert Einstein Science Institute, Northeast Region, Shillong on June 5-6, 2014.
- **“Youth and their potential for change”** in National Seminar on Role of National Service Scheme in Nation Building: Scope and Challenges organized by NSS Cell, NEHU on March 5-6, 2015.
- **“Assessment of physico-chemical and biological characteristics of selected springs in Shillong, Meghalaya”** in National Seminar on Exploring Recent Advances in Chemistry in Service for mankind organized by Department of Chemistry, Shillong College on July 30-31, 2015.
- **“The contribution of indigenous knowledge of the Khasis in ecosystem management”** in International Seminar (CC 2015) Climate Change: Impact on Developing Countries organized by Union Christian College from October 15-17, 2015.
- **“A survey of bioresources of Khatar Shnong area in Meghalaya, India”** in National Symposium on Bioresources and Sustainable Development and 2nd National Bioresources and Sustainable Development Summit organized by Department of Botany, North-Eastern Hill University and Institute of Bioresources and Sustainable Development, Department of Biotechnology, Imphal on October 28-29, 2015.
- **“A study on the pollution removal efficiency of three aquatic plants on the waters of river Umkhrach in Shillong, Meghalaya”** in International Conference on Water Resource Management in the Eastern Himalayan Region organized by St. Anthony’s College, Shillong in collaboration with Meghalaya Water Resources Development Agency, Government of Meghalaya on November 4-5, 2015.
- **“Bioresources and their uses in Khatar Shnong area, Meghalaya”** in the Seminar on Judicious and Prudent Use of Renewable and Non-Renewable resources in India organized by William Carey University, Shillong sponsored by North Eastern Council, Department of Atomic Energy and Indian Council of Social Science Research in collaboration with Bio-resource Development Centre and Meghalaya Institute of National Resources on September 21-22, 2017.
- **“A study on the fishing methods and fishing gears operated in Umngi river in Balat, Meghalaya”** in the National Seminar on Biodiversity – A resource for Future Sustenance

“BaRFS-2018 organised by the Department of Botany and Research Centre, Scott Christian College on the 27th and 28th of September 2018.

- **“A Study on the diversity of faunal species found in Myntdu River, West Jaintia Hills District, Meghalaya”**, in the National Seminar on Recent Advancements in Science and Technology organized by Union Christian College, through the Science Society, in collaboration with North Eastern Space Application Centre (NESAC), Umiam, P.A. Sangma Foundation and College of Post Graduate Studies in Agricultural Sciences (CAU-1), Umiam, from the 12th – 14th June 2019.

Additional Responsibilities since 2018 (in St Edmund’s College)

:

- Head, Department of Environmental Science, St. Edmund’s College
- NSS Programme Officer, St. Edmund’s College
- Advisory Member, N.O.W. Eco-Club
- Member of the Red Ribbon Club (RRC), St. Edmund’s College
- Member of the Grievance and Redressal Cell
- Member of Department Admission Committee
- Member of Department Library Committee
- Member of Department Laboratory & Equipment Committee
- Member of Department Students Welfare Committee
- Member of Department Magazine/ Newsletter Committee
- Member of Department Mentoring Committee
- Advisory Board Member of SECMUN
- Member of the Internal Quality Assurance Cell (IQAC), St. Edmund’s College
- Member of Institutional Innovation Council (IIC), St. Edmund’s College
- Member of Unnat Bharat Abhiyan (UBA), St. Edmund’s College