



**St. Thomas College**  
Kozhencherry  
Reaccredited by NAAC with A Grade(3rd Cycle)



<b>Name</b>	<b>Dr. Leena Abraham</b>
<b>Qualification</b>	<b>M.Sc., Ph.D.</b>
<b>Designation</b>	
<b>Department</b>	<b>Botany</b>

**Publications****Publications:**

1. Leena Abraham (2019) "A comparative study of air pollution induced stress tolerance of selected tree species in a disturbed and undisturbed plant community", International Journal of Current Research, Vol. 11., No.1, 411-416, ISSN:0975-833X.
2. Leena Abraham (2019) "Evaluation of Air Pollution Tolerance Index of selected tree species along roadsides in Vidyanagar, Gujarat (India), International Journal of Science and Research, Vol. 8. No. 1., ISSN:2319-7064.
3. Sam Alex and Leena Abraham (2018)"Physiochemical analysis and Conservation strategies for a pond emerged by pamba irrigation project in Vazhakunnam, Pathanamthitta District", Trends in Biosciences 11(7), ISSN 0974-8431.
4. Mitul Kotecha, Kasturi Naik & Leena Abraham (2014) "Study Of Air Pollution Tolerance Index (APTI) and Distribution Pattern by Using Importance Value Index (IVI) of Plants in Disturbed and Undisturbed Locality Around Anand City (India)" Carpathian Journal of Earth and Environmental Sciences, February 2014, Vol. 9, No. 1, p. 163 - 169.
5. Leena Abraham, K. Naik, M. Kotecha, P. Gor & R. M. Thakkar,(2011) "Pollution Tolerance and Distribution Pattern of Plants of Disturbed and Undisturbed Community in Anand" Proceedings of National Symposium on "Sustainable Development: Issues and Concerns" in International Journal of Pharma and Bio Sciences (ISSN 0975-6299).
6. Leena Abraham & G. Sandhya Kiran, (2007). Poster presentation on "Sustainability of Joint Forest Management Plantations in Rajpipla Taluka" National Seminar on "New Horizons in Biological Sciences" organized on 23rd Sep<sup>TM</sup>07 by N. V. Patel College of Pure and Applied Sciences, Vallabh Vidhyanagar, Gujarat.
7. Leena Abraham & G. Sandhya Kiran, (2005), "Role of planning strategies in success/failure of JFM plantation", Current Science, vol.88 (2) pp 288-291.
8. Leena Abraham & G. Sandhya Kiran, (2005), "Sustainability of Joint Forest Management(JFM) Plantations Using Satellite Data", Annual Convention and National Symposium, Birla Institute of Technology, Ranchi, India.
9. G. Sandhya Kiran, Leena Abraham, Kavita Sharma & Jessica Karia, Grassland studies in Amreli District (2004), Range Management and Agroforestry, Indian

10. Leena Abraham & G. Sandhya Kiran (2003),  
"Remote Sensing in Salinity Studies", Geobios,  
vol. 30 pp 242-245.

11. Leena Abraham & G. Sandhya Kiran (2003),  
"Effect of NaCl stress on growth of Sorghum  
bicolor (L.) Monech., Journal of Eco-physiology, vol.  
6(3-4).

**BOOKS:**

12. Leena Abraham and Elizabeth Thomas (2015)-  
Editors, Proceedings of National Workshop on,  
"Genomics, Proteomics and Bioinformatics:  
Fundamentals to Advanced".

13. Rita N. Kumar, Leena Abraham et al., (2009) A  
Practical Book of Biology, Atul Prakashshan,  
Ahmedabad, India.

14. Rita N. Kumar, Leena Abraham et al., (2009) A Text  
Book of Botany, Atul Prakashshan, Ahmedabad, India.

15. Leena Abraham & G. Sandhya Kiran. (2008) Joint  
Forest Management: Issues and Experiences, Role of  
planning strategies in success/failure of JFM plantation  
(ed. Meenu Bhatnagar), pp. 109-116, The ICFAI  
University Press, Hyderabad, India.

16. Leena A., Jasrai Y.T. & Garge S.K. (2003) Air  
Pollution Development at What Cost? Green belt,  
Plant Scavengers for Combating Air Pollution (eds.  
Y.T. Jasrai & Arun Arya) pp, Daya Publishing House,  
New Delhi, India.

<p><b>Achievements   Awards   Distinctions   Fellowships</b></p>	<ol style="list-style-type: none"> <li>1. Aakash Guru™ award for outstanding performance in teaching at Aakash Institute for 2013.</li> <li>2. Vaidya Narayanrao Hardikar Gold Medal for M.Sc.</li> <li>3. Prof. A. R. Chavan Memorial fund prize for securing highest number of marks at M.Sc. (Botany).</li> <li>4. Dr. M.S. Patel Post Graduate Scholarship for securing highest number of marks in M. Sc (Previous)</li> <li>5. Post Graduate Merit Scholarship for securing highest number of marks in B.Sc.</li> <li>6. Dr. V.G. Phatak Gold Medal for B.Sc.</li> <li>7. Dr. M.S. Patel Prize for securing highest number of marks in B.Sc. (Botany).</li> <li>8. Prof. A.R. Chauhan Memorial Prize for securing highest number of marks in B.Sc.</li> </ol>
<p><b>Projects   Presentations</b></p>	<ol style="list-style-type: none"> <li>1. Project Title: Diversity, spatial distribution and productivity of trees in St. Thomas College, Kozhencherry, Sponsored by: Kerala State Council for Science, Technology and Environment (KSCSTE)-SPYTiS-II</li> <li>2. Project Title: To evaluate Air Pollution Tolerance Index of Selected Plant Species Along the roadsides in Vallabh Vidyanagar, Anand, Sponsored by: GUJCOST (Gujarat Council on Science and Technology) Gandhinagar.</li> </ol>
<p><b>Others</b></p>	<p><b>Invited Talks:</b></p> <ol style="list-style-type: none"> <li>1. Delivered key note address on the topic, "Adaptations, Interactions and Ecology of Plants" at Assumption College (Autonomous), Changanaseery, Kottayam, Kerala on 5th July™2017.</li> <li>2. Delivered invited talk on, "Remote Sensing and GIS" in Botany Association Seminar of St. Thomas College, Kozhencherry on 11th Mar™2016.</li> <li>3. Delivered invited talk on "Application of Remote Sensing and GIS in Plant Resource Mapping" in National Seminar organized by Department of Botany, KKTU Govt College, Kodungallur, on 21st Jan™2016.</li> <li>4. Delivered key note address during the inauguration of Science Club of St. Thomas Higher Secondary School, Kozhencherry on 15th Oct™2015.</li> </ol> <p><b>Extra-Curricular:</b></p> <ol style="list-style-type: none"> <li>1. State-level basket ball player.</li> <li>2. Awarded Rajyapuraskar as a Guide in "Bharat Scouts and Guide".</li> </ol>