



**SREE NARAYANA COLLEGE**  
**Sivagiri, Varkala,**  
**Thiruvananthapuram 695 145**



Name	Dr.S.S.USHA
Address	Aiswarya,TC 55/285, A 8 Amritha Nagar Kaimanam Pappanamcode P.O . PIN 695 018
Designation	Assistant Professor of Botany
Area of Specialization	Taxonomy
Date of Appointment	Vocational Higher Secondary School : 02/11/1992 - 07/06/2008 (i) In the institution : 09/06/2008 (ii) In the present post : 09/06/2008
Academic Qualification	MSc Botany 1991 First class Kerala University BEd Natural Science 1992 First class Kerala University PhD Botany 2001 Kerala University
Teaching Experience	Vocational Higher Secondary - 15 years & 7 months Degree - 7 Years
Classes handling (Degree/PG)	Degree
Area of Interest	Taxonomy
Area of Research	Studies on the tribes Vernoniae, Eupatorieae and Astereae (Asteraceae)
Responsibilities undertaken	1.Faculty advisor of 2010-2011 ,2011-2012 2012-2015 Core Botany Batch

	<p>2.A member of office administration committee</p> <p>3.A member of Nature club</p>
Seminars Organized	<p>Seminar on 'Hi –Tech Farming – a step to sustainable food security' - Department of Botany,SN College, Varkala, <b>5<sup>th</sup> December 2013.</b></p> <p>Seminar on ' Why Taxonomy-----?'organized by Department of Botany, S N College, Sivagiri, Varkala”on <b>19 March 2015</b> .</p>
Workshops/Seminars attended	<p style="text-align: center;"><b>National &amp; College</b></p> <ol style="list-style-type: none"> <li>1.National Symposium – '<i>From Chromosomes to genomes'- Challenges and Prospects</i>' organized by Department of Botany,Kariavattom on <b>26-28<sup>th</sup> March, 2008.</b></li> <li>2.'<i>Plant Systematics, Ethenobotany &amp; Biodiversity Conservation</i>' organized by Department of Botany, S .N .College, Sivagiri ,Varkala on <b>6 &amp; 7<sup>th</sup> August 2008.</b></li> <li>3.'<i>Recent Advances in Plant Science Research</i>' organized by Department of Botany, S.N. College for Women,Kollam on <b>30<sup>th</sup> September 2008.</b></li> <li>4. National workshop on” <i>Sustainable utilization of Bo resources through Biotechnology and Bioinformatics</i>”organized by JTBGRI, Tvpm, Sponsored by Department of Biotechnology, Govt. of India on <b>18 &amp;19<sup>th</sup> December 2008.</b></li> <li>5.National Seminar on '<i>Molecules to Drugs</i>' organized by Department of Botany, Mar Athanasious college, Kothamangalam on <b>21 &amp; 22<sup>nd</sup> January 2009,</b> .</li> <li>6.Workshop on '<i>Plant Taxonomy</i>' held at Community Agro biodiversity center, M.S.Swamy Nathan Research foundation ,Wayanadu on <b>19 - 23 February 2009</b> .</li> <li>7.Golden Jubilee national Symposium on '<i>Plant Diversity, Utilization and management</i> organized by Department of Botany, University of Kerala, Kariavattom on <b>27-29 May, 2010.</b></li> <li>8. XI all India conference on '<i>Cytology and Genetics</i>' organized by Department of Molecular biology &amp; society of Cytologists &amp; Geneticists,Bangalore University, Jnana</li> </ol>

Bharathi on **23<sup>rd</sup> - 25<sup>th</sup> January, 2012.**

9.National seminar on ‘*Recent trends and future prospects of Biodiversity and Conservation*’ organized by Department of Botany and Zoology, S.N College, Punalur on **15 and 16<sup>th</sup> March 2012.**

10.National seminar on ‘*Climate change and its impact on Biodiversity – an Indian Perspective*’ organized by Department of Zoology ,S N College, Sivagiri, Varkala”on **17 - 18<sup>th</sup> January 2013 .**

11.National Conference on ‘*Recent Trends in Plant Biotechnology*’ organized by Department of Plant Science, School of Life Sciences, Bharathidasan University,Thiruchirappalli-620 024 on **27-28<sup>th</sup> February 2013.**

12.Seminar on ‘*Hi –Tech Farming – a step to sustainable food security*’, organized by Department of Botany,SN College, Sivagiri, Varkala on **5<sup>th</sup> December 2013.**

13.Workshop on “Modern tools in Biotechnology Information” organized by Department of Botany, University of Kerala,Thiruvananthapuram on **25& 26 February 2014 .**

14.National Workshop on “Academic writing “Organized by PG &Research Department of Economics,SN College, Sivagiri,Varkala on **3 & 4 March 2014.**

15.National seminar on “*Cinimayum Samskaravum*” organized by Department of Malayalam,S N College, Sivagiri, Varkala”on **25 - 26<sup>th</sup> August 2014 .**

16.National seminar on”Ethnic knowledge of Biological Resources in Contemporary Plant Sciences” organized by Department of Botany ,S N College for women,Kollam on **28<sup>th</sup> – 29<sup>th</sup> August 2014 .**

17. National seminar cum workshop on “Plant Systematics and Herbarium Techniques” organized by Department of Botany at KKTMM Govt.College,Kodungallur from **September 24 to 25 ,2014.**

18. Workshop on Field Taxonomy for College teachers and Research scholars organized by Department of Botany,S.N College, Chempazhanthy on **November 29, 2014.**

18.”Workshop on molecular Biology 2015’ organized by Department of Botany, University College, Thiruvananthapuram on **7 to 9 January,2015.**

19. Seminar on’ Why Taxonomy-----?’organized by Department

	<p>of Botany, S N College, Sivagiri, Varkala”on <b>19 March 2015</b> .</p> <p>20.National Workshop on’ Creative Writing ‘organized by Department of English, S N College, Sivagiri, Varkala”on <b>20 &amp;- 21<sup>st</sup> March 2015</b> .</p> <hr/> <p style="text-align: center;"><b>International</b></p> <p>1. XX Annual conference of Indian association for angiosperm Taxonomy and International symposium on “<i>Taxonomy, Plant diversity and Conservation</i>” organized by Department of Botany, Bharathiyar University, Coimbatore, India on <b>26-28 November 2010</b>.</p> <p>2.International symposium on ‘<i>Genomics of Crops, Medicinal plants and Microbes</i>’ organized by Department of Botany,University of Kerala, Kariavattom on <b>29 – 31<sup>st</sup> May, 2011</b>.</p> <p>3.International seminar on “<i>World Bioheritage concerns over climate change with special reference to ethnic vegetables</i>, organized by Department of Botany,S.N College, Chempazhanthu on <b>September 7<sup>th</sup> and 8<sup>th</sup> 2012</b>.</p> <p>4. 24<sup>th</sup> Annual conference of Indian Association for Angiosperm Taxonomy (IAAT) and International conference on Trends in Plant Systematics (TIPS) organized by Department of Plant Science, Bharathidasan University, Thiruchirappalli - 620 024 on <b>31<sup>st</sup> October -2<sup>nd</sup> November 2014</b>.</p>
<p>Poster/Paper presented</p>	<p style="text-align: center;">National</p> <p>1”.Cytological Studies in South Indian Vernonieae” . National Symposium–‘From Chromosomes to genomes’-Challenges and Prospects’ organized by Department of Botany,University of Kerala, Kariavattom on <b>26-28 March 2008</b>.</p> <p>2.”Cytological Studies in South Indian Eupatorieae’. National Seminar on ‘Molecules to Drugs’ organized by Mar Athanasious College,Kothamangalam on <b>21 &amp; 22<sup>nd</sup> January 2009</b> .</p> <p>3.” Pollen morphology of seven species of <i>Vernonia</i> Schrebe”r. Golden Jubilee national Symposium on Plant Diversity,</p>

	<p>Utilization and management organized by Department of Botany, Kariavattom on <b>27-29 May 2010</b>.</p> <p>4. "Cytotaxonomy of the tribe Eupatorieae from South India". XI All India conference on Cytology and Genetics, organized by Department of Molecular Biology &amp; Society of Cytologists &amp; Geneticists, Bangalore University, Jnana Bharathi on <b>23 - 25<sup>th</sup> January 2012</b> .</p> <p>5."Cytomorphological studies on the tribe Eupatorieae (Asteraceae) from South India". National seminar on 'Recent trends &amp; future prospects of Biodiversity &amp; Conservation" organized by Department of Botany and Zoology at S N College ,Punalur on <b>15<sup>th</sup>&amp;16<sup>th</sup> March 2012</b> .</p> <p>6."Morphological, cytological and palynological studies on <i>Elephantopus scaber</i> L. from South india". National seminar on '<i>Recent Trends in Plant Biotechnology</i>' organized by Department of Plant Science, School of Life Sciences, Bharathidasan University, Thiruchirappalli-620 024 on <b>27-28<sup>th</sup> February 2013</b>.</p> <p>7.National seminar on "<i>Cinimayum Samskaravum</i>" organized by Department of Malayalam,S N College, Sivagiri, Varkala"on <b>25 - 26<sup>th</sup> August 2014</b> .</p> <p>8.A study on <i>Elephantopus scaber</i> L. (Vernonieae) Asteraceae from South india. National seminar on "Ethnic knowledge of Biological Resources in Contemporary Plant Sciences" organized by Department of Botany ,S N College for Women,Kollam on <b>28<sup>th</sup> – 29<sup>th</sup> August 2014</b> .</p> <p>9. A study on <i>Cyanthillium cinereum</i>(L.)H.Rob. Vernonieae (Asteraceae) from South india. National seminar cum workshop on "Plant Systematics and Herbarium Techniques" organized by Department of Botany at KKTU Govt.College,Kodungallur from <b>September 24 to 25 ,2014</b>.</p> <p><b>International</b></p> <p>1.Pollen morphology of the tribe Eupatorieae (Asteraceae). International symposium on "Taxonomy, Plant diversity and Conservation" <i>Department of Botany</i>,Bharathiyar University,Coimbatore,India on <b>26 – 28 November 2010</b>.</p> <p>2.Pollen morphological studies on some taxa of the tribe Astereae (Asteraceae) from South India International seminar on World Bioheritage concerns over climate change ,with special reference to Ethnic Vegetables",organized by</p>
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Department of Botany,S N College,Chempazhanthy on **7<sup>th</sup>**  
**and 8<sup>th</sup> September 2012 .**

3.Cytopalynological study and anti bacterial activity of  
*Cyanthillium cinereum* (L.)H.Rob. Vernonieae  
(Asteraceae) from South india. 24<sup>th</sup> Annual conference of  
Indian Association for Angiosperm Taxonomy (IAAT)  
and International conference on Trends in Plant  
Systematics (TIPS) organized by Department of Plant  
Science, Bharathidasan University, Thiruchirappalli -  
620 024 on **31<sup>st</sup> October -2<sup>nd</sup> November 2014.**

<p>Research publications</p>	<p style="text-align: center;"><b>National</b></p> <ol style="list-style-type: none"> <li>1.Usha S S &amp; Vijayavalli,B 2005 Studies in the Pollen morphology of South Indian species of Vernonieae,Eupatorieae and Astereae(Asteraceae) <i>J.of Palynology</i> Vol.40(2004):67-120 July 2005</li> <li>2.Usha S S,Vijayavalli,B , Mathew,P M and Vijayaraghavakumar 2005 Phenotypic and genotypic correlations and heritability of certain quantitative characters in <i>Aster laevis</i> L. <i>J.cyto. and Genetics</i> Vol.6[NS]. 71-73.</li> <li>3.Usha SS,Vijayavalli,B and Mathew,P M 2009 Cytological Studies in South Indian Vernonieae (Asteraceae) <i>J.Cytology and Genetics</i> Vol.11 (NS).41-46.</li> <li>4. Usha S S,Vijayavalli,B and Mathew P M 2013 Cytotaxonomy of the tribe Eupatorieae from South India <i>J.Cytology and Genetics</i> Vol.14(NS) 45-51</li> </ol> <p style="text-align: center;"><b>International</b></p> <ol style="list-style-type: none"> <li>1. Santhosh Kumar E S, Roy P E, Shareef S M and Usha S S 2012 Rediscovery of <i>Uniyala multibracteata</i> (Gamble) H. Rob &amp; Skvarla (Asteraceae) from the southern Western Ghats, India <i>Journal of Threatened Taxa</i>/www.threatenedtaxa.org  May  4(5): 2587–2589</li> <li>2. Shanavas S Usha SS and Moorthy S N 2014 Effect of succinylation on the thermal and rheological properties of cassava starch <i>Trends in Carbohydrate Research</i> Vol.6 No.234 - 41.</li> </ol>
<p><b>Refresher courses attended</b></p>	<ol style="list-style-type: none"> <li>1.Refresher Course in Life Science <b>26/05/2011 - 16/06/2011</b> UGC Academic Staff College , University of Kerala, Kariavattom.</li> <li>2..Refresher Course in Life Science <b>02/07/2014 - 22/07/2014</b> UGC Academic Staff College , University of Kerala,</li> </ol>

<p><b>Orientation Programmes attended</b></p>	<p>Kariavattom.</p> <p>1.Orientation Programme (IT Oriented) <b>20/06/2009 - 17/07/2009</b>. UGC Academic Staff College, University of Kerala, Kariavattom.</p> <p>2.Orientation Programme,Regulation of Choice based Credit &amp; Semester System <b>08/12/2009</b> , NSS College,Nilamel.</p> <p>3.Training programme on ‘General Informatics’ <b>1/9/2011 - 3/09/2011</b>. Sponsored by Higher Education council, Thiruvananthapuram at S.N.College,Varkala.</p> <p>4.Two day Orientation Programme for college teachers in Botany <b>2 &amp; 3<sup>rd</sup> September 2010</b>.UGC Academic Staff College, University of Kerala, Kariavattom.</p>
<p>Membership(s) in</p>	<p>1.Journal of Palynology since 2004</p> <p>2.Indian Association for Angiosperm Taxonomy since 2010.</p>
<p>Extension work/Community Service</p>	<p>Power point presentations on various aspects of plant science for the Higher Secondary students of nearby school</p>
<p>Extracurricular activities</p>	<p>1. A member of Nature club</p> <p>2. A member of Anti ragging cell - 2013-2014</p>



