

**1. Personal Information:**

Name : Dr. Jyothi Abraham

Designation: Assistant Professor

E-mail : jyothiabraham@sdck.in

Mobile: 9495053043

**Educational Qualifications:**

SI.No.	Name of the Program/ Test	Institution & University/ Agency	Year
1.	PhD	Bharathiar University, Coimbatore	2016
2.			

**2. Career Profile:**

SI.No	Name of the Institution	Designation	Period of Service
1.	St. Dominic's College, Kanjirappally	Guest Lecturer	2016-2019
2.	St. George's College, Aruvithure	Guest Lecturer	2019-2021

**3. Area of Specialization/Research Interests:** Biotechnology,  
Phytochemistry, Tissue culture**4. Research Publications:**

Sl. No	Title of Article	Journal	Publisher	Year	ISBN/ISS N...
1	A rapid <i>in vitro</i> multiplication system for commercial propagation of pharmaceutically important <i>Cyclea peltata</i> (Lam) Hook & Thoms. based on enhanced axillary branching.	Industrial crops and products	Elsevier	2010	0926-6690
2	Adventitious shoot induction from cultured internodal explants of <i>Malaxis acuminata</i> D. Don, a valuable terrestrial medicinal orchid	Plant Cell, Tissue and Organ Culture (PCTOC)	Springer	2010	01676857
3	Antibacterial activity of medicinal plant <i>Cyclea peltata</i> (Lam) Hooks & Thoms.	Asian Pacific Journal of Tropical Disease	Elsevier	2012	2222-1808
4	Plant regeneration through callus organogenesis and true-to-type conformity of plants by RAPD analysis in <i>Desmodium gangeticum</i> (Linn.) DC.	Applied biochemistry and biotechnology	Springer	2013	02732289
5	Antibacterial activity of pure and cadmium doped ZnO thin film	Indo American Journal of Pharmaceutical Research		2014	2231-6876

6	Plant regeneration from organogenic callus and assessment of clonal fidelity in <i>Elephantopus scaber</i> Linn., an ethnomedicinal herb.	Physiology and Molecular Biology of Plants	Springer	2015	09740430
7	An efficient shoot regeneration system for medicinally important <i>Elephantopus scaber</i> Linn.	Crop Breeding and Applied Biotechnology	Brazilian Society of Plant Breeding	2015	1984-7033
8	<i>In vitro</i> micropropagation and flowering in <i>Ipomoea sepiaria</i> Roxb. An important ethanomedicinal plant	Asian Pacific Journal of Reproduction	Hainan Medical University	2015	23050500
9	<i>In vitro</i> antibacterial activity of ZnO nanoparticles prepared using sodium dodecyl sulfate as stabilizing agent	Romanian Journal of Biophysics	Romanian Academy, <u>Editura Academiei Romane</u>	2014	1220-515X

## 5. Seminars /Workshops Attended/Papers Presented/ Invited talks

Sl. No	Title of Presentation	Name of the Programme	Venue	Date
1	Effect of plant growth regulators on shoot	'Imperatives for. Sustainable Development'	Carmel College Mala	February 25-26th 2009

	multiplication and callus regeneration of ethnomedicinal plant <i>Vallaris solanacea</i> (Roth) D. KTZE.			
2	Antibacterial activity of medicinal plant <i>Cyclea  peltata</i> (Lam) Hooks & Thoms	Bioprospecting of Plant Genetic Resources	St. Thomas college Pala	November 22-23th 2011
3	Callus induction and shoot organogenesis from leaf explants of <i>Elephantopus  scaber</i> Linn, a medicinal plant	National Seminar on Role of plant systematic in biodiversity and its conservation	Sree Narayana College Cherthala	March 4-5th 2014
4	A quick in vitro propagation of <i>Cyclea peltata</i> (Lam) Hook & Thoms	National Conference on Modern Trends in Plant in vitro Biology	Bharathidas an University, Coimbatore	January 5-6th 2009
5	A protocol for callus induction and shoot regeneration from leaf explants of <i>Elephantopus  scaber</i> linn an ethnomedicinal plant	International Seminar on ‘World Bioheritage Concerns Over Climate Change, With a Special Reference to Ethnic Vegetables’	Sree Narayana College Chempazha nthy	September 7-8th 2012
6	Bioactivity directed isolation and identification of a flavanone derivative 8-hydroxyl naringenin from <i>Elephantopus scaber</i> Linn	Ethnic knowledge of Biological Resources in contemporary plant sciences	Sree Narayana College for Women Kollam	August 28-29th 2014

7	A scrutiny of antibacterial activity of pure and iodine doped ZnO thin films synthesized by mSILAR method	International Conference on Advanced Materials	Nirmalagiri College, Koothuparampu	12-14 June, 2019
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## 6. Books/Chapters in Books

Sl.No	Name of Book	Title of the Chapter	Publisher	ISBN
1	Plant Tissue Culture: Propagation, Conservation and Crop Improvement	Recent Advances in Asteraceae Tissue Culture	Springer	978-981-10-1917-3
2	Biotechnology and Production of Anti-Cancer Compounds. Biotechnology and Production of Anti-Cancer Compounds	Hairy root culture for the production of useful secondary metabolites	Springer	978-3-319-53880-8

## 7. Programs Organized



## 8. Positions held or holding if any

Sl.No.	Details
1	

## 9. Courses attended for Professional Development:

Sl.No	Name of the course	Organizing Institute	Period
1	One Week Online National Workshop on <b>Creative Adaptation-Reaching Out Through Digital Classrooms</b>	St. Thomas College of teacher Education, Pala (IQAC) in collaboration with the UGC-HRDC, University of Kerala, Thiruvananthapuram.	19-25 May, 2020
2	<b>4-week Induction/Orientation programme for “Faculty in Universities/College/Institutes of Higher Education”</b>	Ramanujan College, Delhi	<b>May 18-17 June, 2021</b>