

**NEHRU MEMORIAL COLLEGE (AUTONOMOUS)**

**PUTHANAMPATTI-621007**

**STAFF PROFILE**



**NAME OF THE STAFF : Dr.C.SASIKUMAR**  
**DESIGNATION : Dean of Research**  
**Associate Professor & Head (Aided)**  
**DEPARTMENT : BOTANY**

**1. CONTACT**

**Address : Nehru Memorial College**  
**(Autonomous)**  
**Puthanampatti – 621 007**  
**Tiruchirappalli Dist.,**  
**Tamil Nadu, India**

**Contact Phone (Office) : 04327 -234227**  
**Contact Phone (Mobile) : 94431 15087 & 63697 52840**  
**Contact e-mail(s) : [sasisabarish5@gmail.com](mailto:sasisabarish5@gmail.com)**

**2. ACADEMIC QUALIFICATIONS**

<b>Degree</b>	<b>College/University/Board</b>	<b>Year of Passing/ Awarded</b>
Ph D	CAS in Botany, Guindy Campus, Chennai	1998
M Phil	CAS in Botany, Guindy Campus, Chennai	1993
M Sc	Kandasami Kandar's College, Velur Namakkal	1992
B Sc	PSG College of Arts & Science (Autonomous) Coimbatore	1990

### 3. TEACHING EXPERIENCE

S. No.	Institution	Duration	No. of Years	
			UG	PG
1.	Nehru Memorial College (Autonomous) Puthanampatti, Tiruchirappalli	19 Years Plus	19 Years Plus	8 Years
2.	Kandasami Kandar's College, Velur Namakkal	2 Years 8 Months	2 Years 8 months	2 Years 8 months

### 4. RESEARCH EXPERIENCE

(in years) : 20 Years Plus

5. AREA OF RESEARCH : Environmental Microbiology &  
Plant Biochemistry

### 6\*\*. RESEARCH GUIDANCE (In Numbers)

Program of Study	Completed	Ongoing	
Research	Ph. D.	5	1
	M. Phil.	15	3
Project	PG	24	-

### 7\*\*. PUBLICATION(S) (In Numbers)

Journal(s)	
International	National
24	8

h-index	6
Total Citations	211

### 10\*\*. PROFESSIONAL DEVELOPMENT (In Numbers)

Orientation Programme(s)	Refresher Course(s)	Faculty Development Programme(s)
1	2	8

**11. FUNDED RESEARCH PROJECT(S)**

List of Completed Project(s)					
S. No.	Agency	Period		Project Title	Grant Allocated (Rs. In Lakhs)
		From	To		
1.	University Grants Commission	2012	2015	Biodegradation of Polycyclic Aromatic hydrocarbons(PHAs)by mixed cultures of wild basidiomycetes fungi and bacteria isolated from petroleum contaminated soil:An <i>in vitro</i> and <i>in silico</i> comparative approach	10,29,800/-
2.	University Grants Commission	2007	2009	Impacts of bio-inputs in the growth characteristics of some medicinal plants	1,00,000/-

**13. EVENT(S) ORGANIZED**

S. No.	Name of the Programme	Role of Responsibility held	Date of the Event
1.	one day National Level seminar on <b>Recent Advancements in Biopharming Technologies</b>	<b>Organizer</b>	06 <sup>th</sup> Dec. 2008
2.	Three day work shop on <b>Ecofriendly agricultural practices</b>	<b>Co-organizer</b>	31 <sup>st</sup> July- 02 <sup>nd</sup> Aug. 2010
3.	one-day training programme on "Tips to crack CSIR-NET exam	<b>Organizer</b>	18 <sup>th</sup> Mar. 2018
4.	one-day FDP on <b>Student Skills:</b>	<b>Co-organier</b>	30 <sup>th</sup> may 2019

	<b>Mentoring and Counseling</b>		

#### 15. ACADEMIC / ADMINISTRATIVE RESPONSIBILITIES HELD

- Served as the member of Steering Committee during the NAAC Peer Team Visit to the College during September 2012.
- Served as the Chairman of the Board of Studies in Biotechnology- PG programme of Nehru Memorial College from 01 July, 2006 to 30 June, 2013.
- Serving as DST-FIST co-ordinator for the College from Aug.2018 onwards.
- Serving as Dean of Research for the College from Feb.2018 onwards.
- Serving as 1<sup>st</sup> Criterion Leader for NAAC reaccreditation process from 2014 onwards.

#### 16. SERVED AS A RESOURCE PERSON (INVITED TALKS / GUEST LECTURES)

Sl. No	Name of the Seminar/Conference/Workshop Orientation Program/Refresher Course/Invited Talk	Name of the Institution	Date of the Event
1.	Served as Resource Person for delivering a special lecture on Biofertilizers and its applications	Sankara College of Arts and Science, Kancheepuram	20 <sup>th</sup> Feb. 2012
2.	Served as Chair person at UGC sponsored National Conference on Advances in Biology	St. Joseph's College ((Autonomous), Tiruchiorappalli.	6 <sup>th</sup> Jan.20 14
3.	Served as Chief guest for Botany Association Meeting and delivered Guest Lecture on Biofertilizer and its applications	National College (Autonomous), Tiruchiorappalli	14 <sup>th</sup> Oct.20 15
4.	Delivered a Special Lecture on "Genetically modified Organisms – Nanobiotechnology	Sri Sarada College for Women (Autonomous), Salem	12 <sup>th</sup> June 2017
5.	Delivered a Special Lecture for School Science Teachers on "Genetically modified Organisms – Boon or Bane	National College (Autonomous), Tiruchiorappalli	12 <sup>th</sup> July 2017
6.	Delivered a Special lecture for our College faculty and Research Scholars on the topic "Climate change"	National College (Autonomous), Tiruchiorappalli	23 <sup>rd</sup> Oct.20 17
7.	Delivered a Radio Talk on the topic	AIR, Tiruchirappalli	30 <sup>th</sup>

	“Importance of Flora and Fauna”.		Aug.2018
8.	Delivered a guest lecture on Current Trends in Biofertilizer Technology at on	M.R. Govt. Arts College, Mannargudi	19 <sup>th</sup> Sep. 2019

### 17. DETAILS OF MEMBERSHIP

Sl.No	Membership in Board of Studies	Period/Date of Meeting
1	Served as a Subject Expert in Board of Studies of Botany (UG) at PSG College of Arts and Science (Autonomous), Coimbatore.	Two Years 11.04.2014
2	Served as External Expert Member for Board of Studies in Biotechnology (UG) at Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi.	Two years 28.2.2015
3	Served as Subject Expert Member for Board of Studies in Botany (UG) at PSG College of Arts and Science (Autonomous), Coimbatore.	Two years 12.02.2015
4	Served as a Subject Expert in Board of Studies of Botany (UG) at Sri Sarada College for Women (Autonomous), Salem.	Two Years 23.02.2015
5	Served as a Subject Expert in Board of Studies of Botany (UG) at PSG College of Arts and Science (Autonomous), Coimbatore.	Two Years 18.03.2017
6	Served as Member of Staff selection Committee in the Department of Botany, Bishop Heber College (Autonomous), Tiruchirappalli.	29-06-2018
7	Serving as Subject Expert for Board of Studies in Botany (UG) at PSG College of Arts and Science (Autonomous), Coimbatore.	Three years 22.02.2020

### 20. DETAILS OF RESEARCH GUIDANCE

Ph. D. (Completed)			
S. No.	Name	Title of thesis	Year of award
1.	Dr.S.Sriram	Therapeutic effect of <i>Barleria montana</i> Wight & Nees. leaf extract on inflammation and ulcer in albino rats.	2014
2.	Dr.V.Meenaa	Scientific validation and evaluation of hepatoprotective potential of leaf extract of <i>Hiptage bengalensis</i> (L.) Kurz.	2014

3.	Dr.J.Kavitha Srilakshmi	Pharmacognostic standardization, anti inflammatory and anti ulcer evaluation of leaf extract of <i>Vernonia arborea</i> Buch,-Ham.	2014
4.	Dr.V.Guruchandran	<i>In vitro</i> organogenesis and genetic diversity studies of <i>Stevia rebaudiana</i> Bert.	2015
5.	Dr.N.Subash	Studies on bioremediation of polycyclic aromatic hydrocarbons with reference to ligninolytic potential of selected fungi and bacteria	2016

## 21. DETAILS OF PUBLICATIONS

### (a) JOURNAL(S)

No	Name Of the Author	Title Of the Research Paper	Journal Name	Year /Volume & Page Number	URL Lnk
1	Sasikumar, C and Rengasamy, R.	Role of red alga <i>Hypnea valentiae</i> (Gigartinales, Rhodophyta) in domestic effluent treatment at different light intensity and quality.	<i>Indian Journal of Marine Sciences</i>	1994/23: 162-164	<a href="http://nopr.niscair.res.in/handle/123456789/37624">http://nopr.niscair.res.in/handle/123456789/37624</a>
2	Sasikumar,C., Rao,V.N.R and Rengasamy, R.	Effect of alkali treatment of red algae <i>Gracilaria blodgetti</i> and <i>G.verrucosa</i> (Rhodophyta) on agar quality.	<i>Indian Journal of Marine Sciences</i>	1997/26: 191-194.	<a href="http://nopr.niscair.res.in/bitstream/123456789/25597/1/IJMS%2026%282%29%20191-194.pdf">http://nopr.niscair.res.in/bitstream/123456789/25597/1/IJMS%2026%282%29%20191-194.pdf</a>
3	Sasikumar Chinnagounder, Kanakarathinam Rangasamy and Rao VNR	The effect of environmental factors on the qualitative and quantitative characteristics agar from the marine red alga <i>Gracilaria verrucosa</i> (Gracilariales, Rhodophyta).	<i>Indian Journal of Geo-Marine Sciences</i>	1999/28 (3):270-273	<a href="http://nopr.niscair.res.in/bitstream/123456789/25597/1/IJMS%2028(3)%20270-273.pdf">http://nopr.niscair.res.in/bitstream/123456789/25597/1/IJMS%2028(3)%20270-273.pdf</a>
4	Kannan,V., Ramesh, R and Sasikumar,C	Study on ground water characteristics and the discharge effluents from textile units at Karur district.	<i>Journal of Environmental Biology</i>	2005/26 (2):69-272.	<a href="http://www.ncbi.nlm.nih.gov/pubmed/16161984">www.ncbi.nlm.nih.gov/pubmed/16161984</a>
5	Sasikumar,C., Kannan,V and Senthil Kumar, B	Asymptomatic typhoid carriers in Namakkal District, Tamil Nadu.	<i>Journal of Environmental Biology</i>	2005/26(1) 113-115.	<a href="https://www.ncbi.nlm.nih.gov/pubmed/16114470">https://www.ncbi.nlm.nih.gov/pubmed/16114470</a>
6	Sriram,S., Kavitha Srilakshmi, J., Meena, V and Sasikumar, C	Adenosine deaminase from <i>Plasmodium falsiparum</i> as a potential drug target in anti-malarial drug designing: A Bioinformatic approach.	<i>Ethnobotanical leaflets</i>	2009/13: 639-647.	<a href="http://www.ethnoleaflets.com/leaflets/plasmod">www.ethnoleaflets.com/leaflets/plasmod</a>
7	Gandhiraja, N., Sriram, S., Meena, V., Kavitha Srilakshmi, J., Sasikumar, C. and Rajeshwari, R	Phytochemical screening and antimicrobial activity of the plant extract of <i>Mimosa pudica</i> L. against selected microbes.	<i>Ethnobotanical leaflets</i>	2009/13: 618-624.	<a href="https://core.ac.uk/download/pdf/60543564.pdf">https://core.ac.uk/download/pdf/60543564.pdf</a>
8	Sasikumar, C., Sriram, S., Meena, V., Kavitha Srilakshmi, J.	Evaluation of Antibacterial activity of <i>Nigella sativa</i> Linn against selected microbes.	<i>Journal of Inventi Rapid Ethnopharmacology</i>	2009	<a href="http://inventi.in/journal/article/rapid/3/9217/ethnopharmacology">http://inventi.in/journal/article/rapid/3/9217/ethnopharmacology</a>

9	Sivakumar,R., Jayaprakasam,R., Renuga,V., <b>Sasikumar,C.</b>	Investigation on ecofriendly natural dyes: chemistry, dyeing and antimicrobial properties of <i>Helichrysum bracteatum</i> .	<i>Asian Journal of Chemistry</i>	2009/21 (8):5960-5966	<a href="http://www.asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=21_8_26">http://www.asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=21_8_26</a>
10	<b>Sasikumar, C.</b> , Meena, V., Kavitha Srilakshmi, J and Sriram, S	HPTLC analysis of various market samples of a traditional drug source - Kodiveli ( <i>Plumbago zeylanica</i> Linn).	<i>International Journal of Pharmacy and Pharmaceutical Science</i>	2010/2(4): 130-132.	<a href="https://innovareacademics.in/journal/ijpps/Vol2Suppl4/837.pdf">https://innovareacademics.in/journal/ijpps/Vol2Suppl4/837.pdf</a>
11	Kavitha Srilakshmi Janakiraman and <b>Sasikumar Chinnagounder</b>	Evaluation of Physico-chemical constants and GC-MS analysis of <i>Vernonia arborea</i> .	<i>Journal of Pharmacy Research.</i>	2012/5(5): 2900-2905	<a href="http://jprsolutions.info/newfiles/journal-file-56ba9a8366ba41.20000912.pdf">http://jprsolutions.info/newfiles/journal-file-56ba9a8366ba41.20000912.pdf</a>
12	Sriram Sridharan and <b>Sasikumar Chinnagounder</b>	Pharmacognostic standardization and physicochemical analysis of the leaves of <i>Barleria montana</i> Wight & Nees.	<i>Asian Pacific Journal of Tropical Biomedicine</i>	2012. 1(1):1-3.	<a href="https://doi.org/10.1016/S2222-1808(15)61020-9">https://doi.org/10.1016/S2222-1808(15)61020-9</a>
13	Meenaa Venkatramani and <b>Sasikumar Chinnagounder</b>	Preliminary phytochemical screening and GC-MS profiling of <i>Hiptage benghalensis</i> (L) kurz.	<i>Journal of Pharmacy Research</i>	2012/5(5): 2895-2899.	<a href="http://jprsolutions.info/newfiles/journal-file-56ba99dde50627.90369677.pdf">http://jprsolutions.info/newfiles/journal-file-56ba99dde50627.90369677.pdf</a>
14	Sriram Sridharan and <b>Sasikumar Chinnagounder.</b>	Evaluation of Antimicrobial activity and GC-MS profiling of <i>Barleria montana</i> .	<i>Journal of Pharmacy Research</i>	2012/5(5): 2921-2925	<a href="http://jprsolutions.info/newfiles/journal-file-56ba9d7b02ef90.13463248.pdf">http://jprsolutions.info/newfiles/journal-file-56ba9d7b02ef90.13463248.pdf</a>
15	Subash,N and <b>Sasikumar,C</b>	Isolation and identification of polycyclic aromatic hydrocarbon degrading microbes and its relationship with ligninolytic potential	<i>International Journal of Current Research</i>	2013/5(7): 1688– 1690	<a href="http://journalcra.com/article/isolation-and-identification-polycyclic-aromatic-hydrocarbon-degrading-microbes-and-its-relationship-with-ligninolytic-potential">http://journalcra.com/article/isolation-and-identification-polycyclic-aromatic-hydrocarbon-degrading-microbes-and-its-relationship-with-ligninolytic-potential</a>
16	Subash,N and <b>Sasikumar,C</b>	Effect of <i>Trichoderma harizanium</i> to control damping off disease and growth promotion in chilli ( <i>Capsicum annum</i> ).	<i>International Journal of Pharma and Bio Sciences</i>	2013/4(2):1 076 – 1082	<a href="https://ijpbs.net/abstract.php?article=MjM1NQ==">https://ijpbs.net/abstract.php?article=MjM1NQ==</a>
17	Subash, N, Viji, J, <b>Sasikumar, C</b> and Meenakshisundaram, M	Isolation, media optimization and formulation of <i>Trichoderma Harizanium</i> in agricultural soil.	<i>Journal of Microbiology and Biotechnology Research</i>	2013/ (1):61-64	<a href="https://www.cabdirect.org/cabdirect/abstract/20133123375">https://www.cabdirect.org/cabdirect/abstract/20133123375</a>
18	Subash,N and <b>Sasikumar,C</b>	<i>In Vitro</i> Evaluation Of different strains of <i>Trichoderma Harzianum</i> as biocontrol agents of chilli.	<i>International journal of biology pharmacy and allied sciences</i>	2013/2(2): 495-500.	<a href="https://www.researchgate.net/publication/271079010_IN_VITRO_EVALUATION_OF_DIFFERENT_STRAINS_OF_Trichoderma_harzianum_AS_BIOCONTROL_AGENTS_OF_CHILLI">https://www.researchgate.net/publication/271079010_IN_VITRO_EVALUATION_OF_DIFFERENT_STRAINS_OF_Trichoderma_harzianum_AS_BIOCONTROL_AGENTS_OF_CHILLI</a>
19	Guruchandran,V and <b>Sasikumar, C.</b>	Effect of polyamines on <i>in-vitro</i> organogenesis using shoot tip	<i>International Journal of Current Biotechnology</i>	2013/1(1):	<a href="http://ijcb.mainspringer.com/1_1/105.pdf">http://ijcb.mainspringer.com/1_1/105.pdf</a>

		explants of <i>Stevia rebaudiana</i> Bert.		16-18.	
20	Guruchandran,V and <b>Sasikumar, C.</b>	Organogenic plant regeneration via callus induction in <i>Stevia rebaudiana</i> Bert.	<i>International Journal of Current Microbiology and Applied Sciences</i>	2013/2(2) 1- 6.	<a href="https://www.ijemas.com/Archives/vol-2-2/Guruchandran%20and%20Sasikumar.pdf">https://www.ijemas.com/Archives/vol-2-2/Guruchandran%20and%20Sasikumar.pdf</a>
21	Subash,N and <b>Sasikumar,C</b>	Bioremediation of pahs contaminated soil by utilizing an indigenous earthworm species, <i>Perionyx Excavatus</i> .	<i>International Journal of Pharma and Bio Sciences</i>	2014/5(3): 449 - 455	<a href="https://www.researchgate.net/publication/271079215_BIOREMEDIATION_OF_PAHS_CONTAMINATED_SOIL_BY_UTILIZING_AN_INDIGENOUS_EARTHWORM_SPECIES_PERIONYX_EXCAVATUS">https://www.researchgate.net/publication/271079215_BIOREMEDIATION_OF_PAHS_CONTAMINATED_SOIL_BY_UTILIZING_AN_INDIGENOUS_EARTHWORM_SPECIES_PERIONYX_EXCAVATUS</a>
22	Shalini, R., <b>Sasikumar, C.</b> , Subash, N., and Viji, J	Enrichment of microorganisms by sugar cane molasses for polyethylene degradation..	<i>International journal of Research in Engineering and Technology</i>	2014/3(9): 135-140.	<a href="https://ijret.org/volumes/2014v03/i09/IJRET20140309020.pdf">https://ijret.org/volumes/2014v03/i09/IJRET20140309020.pdf</a>
23	Subash,N, Meenakshisundaram,M., <b>Sasikumar.C</b> and Unnamalai.N.	Mass cultivation of <i>trichoderma harzianum</i> using agricultural waste as a substrate for the management of damping off disease and growth promotion in chilli plants ( <i>Capsicum annum</i> L.).	<i>International Journal of Pharmacy and Pharmaceutical Sciences</i>	2014/6(5): 188-192.	<a href="https://innovareacademics.in/journal/ijpps/Vol6Issue5/9194.pdf">https://innovareacademics.in/journal/ijpps/Vol6Issue5/9194.pdf</a>
24	Subash,N and <b>Sasikumar,C</b>	Eco - friendly synthesis of silver nano particle from leaf extract of <i>Azadirachta indica</i> and <i>Phyllanthus emblica</i> .	<i>International Journal of Advanced Research</i>	2014/2(7):9 86 – 990	<a href="http://www.journalijar.com/article/2368/eco---friendly-synthesis-of-silver-nano-particle-from-leaf-extract-of-azadirachta-indica-and-phyllanthus-emblica/">http://www.journalijar.com/article/2368/eco---friendly-synthesis-of-silver-nano-particle-from-leaf-extract-of-azadirachta-indica-and-phyllanthus-emblica/</a>
25	<i>Sriram Sridharan, Meena Venkatramani, Kavitha Janakiraman, Brindha Pemiah and Sasikumar Chinnagounder</i>	<i>Barleria Montana Wight And Nees–A Promising Natural Anti-Inflammatory Agent Against Formalin Induced Inflammation</i>	<i>International Journal Of Pharmacy And Pharmaceutical Sciences</i>	2015.7(9): 80-84	<a href="https://innovareacademics.in/journals/index.php/ijpps/article/view/7009/6467">https://innovareacademics.in/journals/index.php/ijpps/article/view/7009/6467</a>
26	Shalini, R., and <b>Sasikumar, C.</b>	Efficacy of microbial consortium on degradation of low density polythene material through FTIR spectroscopy..	<i>International journal for innovative research in Science and Technology</i>	2015/2(5): 139-142.	<a href="https://ijirst.org/Article.php?manuscript=IJIRSTV2I5032">https://ijirst.org/Article.php?manuscript=IJIRSTV2I5032</a>
27	Subash,N and <b>Sasikumar,C</b>	Bioremediation of PAHs the co-culture of white rot fungi and bacteria a FRED <i>in silico</i> emerge.	<i>International Journal of Current Microbiology and Applied Sciences</i>	2015/4(8):3 58 – 371	<a href="https://www.researchgate.net/publication/281253466_Bioremediation_of_PAHs_the_Co-Culture_of_White_Rot_Fungi_and_Bacteria_a_FRED_in_silico_Emerge">https://www.researchgate.net/publication/281253466_Bioremediation_of_PAHs_the_Co-Culture_of_White_Rot_Fungi_and_Bacteria_a_FRED_in_silico_Emerge</a>
28	Shalini, R., and <b>Sasikumar, C.</b>	Effect of microbes on low density polyethylene material degradation with reference to SEM analysis..	<i>International journal of Pharma and Bio sciences.</i>	2015/6(4): 447-452	<a href="https://ijpbs.net/abstract.php?article=NDcxNg==">https://ijpbs.net/abstract.php?article=NDcxNg==</a>
29	Shalini, R., and <b>Sasikumar, C.</b>	Biodegradation of Low density polythene materials using microbial consortium – An	<i>International Journal of Pharmaceutical and Chemical sciences</i>	2015/4(4):	<a href="http://www.ijpcsonline.com/files/09-11-15/11-1025.pdf">http://www.ijpcsonline.com/files/09-11-15/11-1025.pdf</a>



		Overview..		507-514.	
30	Shalini, R., and <b>Sasikumar, C.</b>	Comparative study of using vegetable wastes and cattle dung for degradation of low density polyethylene materials and visualized through FTIR analysis.	<i>Research journal of Pharmaceutical, Biological and Chemical sciences.</i>	2016/7(1): 2026-2031	<a href="https://www.rjpbcs.com/pdf/2016_7(1)/[281].pdf">https://www.rjpbcs.com/pdf/2016_7(1)/[281].pdf</a>
31	Subash,N and <b>Sasikumar,C.,</b>	An <i>in vitro</i> comparative approaches of PAHs degrading Basidiomycetes fungi from Kolli Hill, Tamil Nadu, India.	<i>International Jouranal of Pharma and Research Health Sci.</i>	2017/5: 1855-61	<a href="http://www.pharmahealthsciences.net/pdfs/volume5-issue52017/4.vol5-issue5-2017-MS-15478.pdf">http://www.pharmahealthsciences.net/pdfs/volume5-issue52017/4.vol5-issue5-2017-MS-15478.pdf</a>
32	Shalini, R., and <b>Sasikumar, C</b>	Ecofriendly bio-degradation of low density polyethylene materials by using a screened <i>Rhodococcus rubber</i> from Tiruchirappalli District.	<i>Journal of Emerging Technologies and Innovative Research.</i>	2018/5: 386-390.	<a href="http://www.jetir.org/papers/JETIR1807776.pdf">http://www.jetir.org/papers/JETIR1807776.pdf</a>