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

2. ACADEMIC QUALIFICATIONS

Degree	College/University/Board	Year of Passing/ Awarded
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 *in vitro* and *in silico* 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 **Recent Advancements in Biopharming Technologies**	**Organizer**	06th Dec. 2008
2.	Three day work shop on **Ecofriendly agricultural practices**	**Co-organizer**	31st July- 02nd Aug. 2010
3.	one-day training programme on "Tips to crack CSIR-NET exam	**Organizer**	18th Mar. 2018
4.	one-day FDP on **Student Skills:**	**Co-organier**	30th may 2019

	Mentoring and Counseling		

15. ACADEMIC / ADMINSTRATIVE 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 1st 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	20th Feb. 2012
2.	Served as Chair person at UGC sponsored National Conference on Advances in Biology	St.Joseph's College ((Autonomous), Tiruchiorappalli.	6th Jan.2014
3.	Served as Chief guest for Botany Association Meeting and delivered Guest Lecture on Biofertilizer and its applications	National College (Autonomous), Tiruchiorappalli	14th Oct.2015
4.	Delivered a Special Lecture on "Genetically modified Organisms – Nanobiotechnology	Sri Sarada College for Women (Autonomous), Salem	12thJune 2017
5.	Delivered a Special Lecture for School Science Teachers on "Genetically modified Organisms – Boon or Bane	National College (Autonomous), Tiruchiorappalli	12th July 2017
6.	Delivered a Special lecture for our College faculty and Research Scholars on the topic "Climate change"	National College (Autonomous), Tiruchiorappalli	23rd Oct.2017
7.	Delivered a Radio Talk on the topic	AIR, Tiruchirappalli	30th

	"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	19th 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 12.02.20156
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 *Barleria montana* 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 *Hiptage bengalensis* (L.) Kurz.	2014

3.	Dr.J.Kavitha Srilakshmi	Pharmacognostic standardization, anti inflammatory and anti ulcer evaluation of leaf extract of *Vernonia arborea* Buch,-Ham.	2014
4.	Dr.V.Guruchandran	*In vitro* organogenesis and genetic diversity studies of *Stevia rebaudiana* 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 *Hypnea valentiae* (Gigartnales, Rhodophyta) in domestic effluent treatment at different light intensity and quality.	*Indian Journal of Marine Sciences*	1994/23: 162-164	http://nopr.niscair.res.in/handle/123456789/37624
2	**Sasikumar,C.,** Rao,V.N.R and Rengasamy, R.	Effect of alkali treatment of red algae *Gracilaria blodgetti* and *G.verrucosa* (Rhodophyta) on agar quality.	*Indian Journal of Marine Sciences*	1997/26: 191-194.	http://nopr.niscair.res.in/bitstream/123456789/36254/1/IJMS%2026%282%29%20191-194.pdf
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 *Gracilaria verrucosa* (Gracilariales, Rhodophyta).	*Indian Journal of Geo-Marine Sciences*	1999/28 (3):270-273	http://nopr.niscair.res.in/bitstream/123456789/25597/1/IJMS%2028(3)%20270-273.pdf
4	Kannan,V., Ramesh, R and **Sasikumar,C**	Study on ground water characteristics and the discharge effluents from textile units at Karur district.	*Journal of Environmental Biology*	2005/26 (2)69-272.	ww.ncbi.nlm.nih.gov/pubmed/16161984
5	**Sasikumar,C**., Kannan,V and Senthil Kumar, B	Asymptomatic typhoid carriers in Namakkal District, Tamil Nadu.	*Journal of Environmental Biology*	2005/26(1) 113-115.	https://www.ncbi.nlm.nih.gov/pubmed/16114470
6	Sriram,S., Kavitha Srilakshmi, J., Meenaa, V and **Sasikumar, C**	Adenosine deaminase from *Plasmodium falsiparum* as a potential drug target in anti-malarial drug designing: A Bioinformatic approch.	*Ethnobotanical leaflets*	2009/13: 639-647.	www.ethnoleaflets.com › leaflets › plasmod
7	Gandhiraja, N., Sriram, S., Meenaa, V., Kavitha Srilakshmi, J., **Sasikumar, C.** and Rajeshwari, R	Phytochemical screening and antimicrobial activity of the plant extract of *Mimosa pudica* L. against selected microbes.	*Ethnobotanical leaflets*	2009/13: 618-624.	https://core.ac.uk/download/pdf/60543564.pdf
8	**Sasikumar, C.,** Sriram, S., Meenaa, V., Kavitha Srilakshmi, J.	Evaluation of Antibacterial activity of *Nigella sativa* Linn against selected microbes.	*Journal of Inventi Rapid Ethnopharmacology*	2009	http://inventi.in/journal/article/rapid/3/9217/ethnopharmacology

9	Sivakumar,R., Jayaprakasam,R., Renuga,V., **Sasikumar,C.**	Investigation on ecofriendly natural dyes: chemistry, dyeing and antimicrobial properties of *Helichrysum bracteatum*.	*Asian Journal of Chemistry*	2009/21 (8):5960-5966	http://www.asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=21_8_26
10	**Sasikumar, C**., Meena, V., Kavitha Srilakshmi, J and Sriram, S	HPTLC analysis of various market samples of a traditional drug source - Kodiveli (*Plumbago zeylanica* Linn).	*International Journal of Pharmacy and Pharmaceutical Science*	2010/2(4): 130-132.	https://innovareacademics.in/journal/ijpps/Vol2Suppl4/837.pdf
11	Kavitha Srilakshmi Janakiraman and **Sasikumar Chinnagounder**	Evaluation of Physico-chemical constants and GC-MS analysis of *Vernonia arborea*.	*Journal of Pharmacy Research*.	2012/5(5): 2900-2905	http://jprsolutions.info/newfiles/journal-file-56ba9a8366ba41.20000912.pdf
12	Sriram Sridharan and **Sasikumar Chinnagounder**	Pharmacognostic standardization and physicochemical analysis of the leaves of Barleria montana Wight & Nees.	*Asian Pacific Journal of Tropical Biomedicine*	2012. 1(1):1-3.	https://doi.org/10.1016/S2222-1808(15)61020-9
13	Meenaa Venkatramani and **Sasikumar Chinnagounder**	Preliminary phytochemical screening and GC-MS profiling of *Hiptage benghalensis* (L) kurz.	*Journal of Pharmacy Research*	2012/5(5): 2895-2899.	http://jprsolutions.info/newfiles/journal-file-56ba99dde50627.90369677.pdf
14	Sriram Sridharan and **Sasikumar Chinnagounder**.	Evaluation of Antimicrobial activity and GC-MS profiling of *Barleria montana*.	*Journal of Pharmacy Research*	2012/5(5): 2921-2925	http://jprsolutions.info/newfiles/journal-file-56ba9d7b02ef90.13463248.pdf
15	Subash,N and **Sasikumar,C**	Isolation and identification of polycyclic aromatic hydrocarbon degrading microbes and its relationship with ligninolytic potential	*International Journal of Current Research*	2013/5(7): 1688– 1690	http://journalcra.com/article/isolation-and-identification-polycyclic-aromatic-hydrocarbon-degrading-microbes-and-it%E2%80%99s
16	Subash,N and **Sasikumar,C**	Effect of Trichoderma harizanum to control damping off disease and growth promotion in chilli (Capsicum annuum).	*International Journal of Pharma and Bio Sciences*	2013/4(2):1076 – 1082	https://ijpbs.net/abstract.php?article=MjM1NQ==
17	Subash, N, Viji, J, **Sasikumar, C** and Meenakshisundaram, M	Isolation, media optimization and formulation of Trichoderma Harizanum in agricultural soil.	*Journal of Microbiology and Biotechnology Research*	2013/ 3 (1):61-64	https://www.cabdirect.org/cabdirect/abstract/20133123375
18	Subash,N and **Sasikumar,C**	*In Vitro* Evaluation Of different strains of Trichoderma Harzianum as biocontrol agents of chilli.	*International journal of biology pharmacy and allied sciences*	2013/2(2): 495-500.	https://www.researchgate.net/publication/271079010_IN_VITRO_EVALUATION_OF_DIFFERENT_STRAINS_OF_Trichoderma_harzianum_AS_BIOCONTROL_AGENTS_OF_CHILLI
19	Guruchandran,V and **Sasikumar, C.**	Effect of polyamines on *in-vitro* organogenesis using shoot tip	*International Journal of Currrent Biotechnology*	2013/1(1):	http://ijcb.mainspringer.com/1_1/105.pd

		explants of *Stevia rebaudiana* Bert.		16-18.	
20	Guruchandran,V and **Sasikumar, C.**	Organogenic plant regeneration via callus induction in *Stevia rebaudiana* Bert.	*International Journal of Current Microbiology and Applied Sciences*	2013/2(2) 1- 6.	https://www.ijcmas.com/Archives/vol-2-2/Guruchandran%20and%20Sasikumar.pdf
21	Subash,N and **Sasikumar,C**	Bioremediation of pahs contaminated soil by utilizing an indigenous earthworm species, *Perionyx Excavatus*.	*International Journal of Pharma and Bio Sciences*	2014/5(3): 449 - 455	https://www.researchgate.net/publication/271079215_BIOREMEDIATION_OF_PAHS_CONTAMINATED_SOIL_BY_UTILIZING_AN_INDIGENOUS_EARTHWORM_SPECIES_PERIONYX_EXCAVATUS
22	Shalini, R., **Sasikumar, C**., Subash, N., and Viji, J	Enrichment of microorganisms by sugar cane molasses for polyethylene degradation..	*International journal of Research in Engineering and Technology*	2014/3(9): 135-140.	https://ijret.org/volumes/2014v03/i09/IJRET20140309020.pdf
23	Subash,N, Meenakshisundaram,M., **Sasikumar.C** and Unnamalai.N.	Mass cultivation of *trichoderma harzianum* using agricultural waste as a substrate for the management of damping off disease and growth promotion in chilli plants (*Capsicum annuum* L.).	*International Journal of Pharmacy and Pharmaceutical Sciences*	2014/6(5): 188-192.	https://innovareacademics.in/journal/ijpps/Vol6Issue5/9194.pdf
24	Subash,N and **Sasikumar,C**	Eco - friendly synthesis of silver nano particle from leaf extract of *Azadirachta indica* and *Phyllanthus emblica*.	*International Journal of Advanced Research*	2014/2(7):986 – 990	http://www.journalijar.com/article/2368/eco---friendly-synthesis-of-silver-nano-particle-from-leaf-extract-of-azadirachta-indica-and-phyllanthus-emblica/
25	*Sriram Sridharan, Meenaa Venkatramani, Kavitha Janakiraman, Brindha Pemiah and **Sasikumar Chinnagounder***	*Barleria Montana Wight And Nees–A Promising Natural Anti-Inflammatory Agent Against Formalin Induced Inflammation*	***I**nternational Journal Of Pharmacy And Pharmaceutical Sciences*	*2015.7(9): 80-84*	https://innovareacademics.in/journals/index.php/ijpps/article/view/7009/6467
26	Shalini, R., and **Sasikumar, C**.	Efficacy of microbial consortium on degradation of low density polythene material through FTIR spectroscopy..	*International journal for innovative research in Science and Technology*	2015/2(5): 139-142.	https://ijirst.org/Article.php?manuscript=IJIRSTV2I5032
27	Subash,N and **Sasikumar,C**	Bioremediation of PAHs the co-culture of white rot fungi and bacteria a FRED *in silico* emerge.	*International Journal of Current Microbiology and Applied Sciences*	2015/4(8):358 – 371	https://www.researchgate.net/publication/281253466_Bioremediation_of_PAHs_the_Co-Culture_of_White_Rot_Fungi_and_Bacteria_a_FRED_in_silico_Emerge
28	Shalini, R., and **Sasikumar, C**.	Effect of microbes on low density polyethylene material degradation with reference to SEM analysis..	*International journal of Pharma and Bio sciences.*	2015/6(4): 447-452	https://ijpbs.net/abstract.php?article=NDcxNg==
29	Shalini, R., and **Sasikumar, C**.	Biodegradation of Low density polythene materials using microbial consortium – An	*International Journal of Pharmaceutical and Chemical sciences*	2015/4(4):	http://www.ijpcsonline.com/files/09-11-15/11-1025.pdf

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