



## DEPARTMENT OF BOTANY

### Rani Anna Government College for Women

(Accredited with NAAC A grade with a CGPA of 3.12 out of 4 in the third cycle)

Tirunelveli – 627 008



33<sup>rd</sup> Graduation Day 10.04.2018

Rani Anna Government College For Women Tirunelveli

## NEWS LETTER

# 2018-2019

### About the Department

The Botany department was started as an allied department in 1983 with two teaching staff. It is elevated as a Major B.Sc. Botany department from June 2012. Master of Botany started in the subsequent academic year 2013 - 2014. Now the department has 9 teaching and 2 non-teaching faculty members. They are dynamic, highly resourceful and dedicated for the student community. All teaching staff is got their doctoral degree. Dr. A. Saravana Ganthi is the Head of the Department.

The department has infrastructure such as a Department library, a well equipped UG lab and PG Lab, a separate Microbiology and Plant Tissue culture lab. The new equipment such as PCR, Gel Doc, Refrigerated centrifuge, UV Visible spectrophotometer, Computer-aided microscope, etc., are available. The department housed a lot of museum specimens. The growth of the department is highly admirable.

The Department has admitted 48 students in UG and 20 students in PG every year. The admission process is purely merit based, according to the guidelines of the Government of Tamil Nadu.

### Teaching Staff

Name	Designation	Area of specialization
Dr. A. Saravana Ganthi	Assistant Professor	Taxonomy, Medicinal Botany
Dr. T. Hemalatha	Assistant Professor	Pharmacognosy
Dr. V. Murugiah	Assistant Professor	Plant Biotechnology, Plant Physiology
Dr. G.S. Rekha	Assistant Professor	Molecular Biology
Dr. P.S. Shajeela	Assistant Professor	Pharmacology
Dr. C. Filma Louis	Assistant Professor	Reproductive Biology
Dr. P. Leela	Assistant Professor	Plant Physiology
Dr. S. Subha	Guest Lecturer	Pharmacognosy
Dr. Karpaga Jothi	PTA Lecturer	Phytochemistry and Microbiology

### Student details

Academic year	Course	Year	OC	BC	BCM	MBC	SC	ST	Total	Physically challenged
2018 - 2019	UG	I EM	1	13	1	7	7		29	---
		I TM	-	10	1	8	8		27	---
		II EM	--	9	2	6	7	--	24	-
		TM	1	10	1	6	8	1	26	-
		III TM	-	11	1	4	3	-	19	-
		III EM	1	11	1	5	3	-	21	1
	PG	I	-	11		4	4		19	-
		II		8		4	3		15	--

### Student progression

Course	Number of student appear for final examination	Number of students passed	Percentage against enrolled	Number of students with 60% and above
UG	37	36	97	33
PG	15	15	100	15

### Student Scholarship

Academic year	Course	BC	SC	Bheedi	Tamil Medium fund	Any other	Merit
2017 - 2018	I UG	16	12	1	25	7 Uzhawar	1
	II UG	17	14	12	25	--	-
	III UG	10	11	17	19	-	-
	I PG	13	4	2	-	-	-
	II PG	3	2	2	=	4 Uzhawar	-

### Student Achievements (outside campus)

Student Name	Programme	Organised by	Date	Achievement
V. Chelladurachi and V. Kasturi of II B.Sc. Botany	12 <sup>th</sup> District level open yoga championship 2018	Sona Mahal, Tirunelveli Town	28-07-2018.	V. Chelladurachi - first prize. V. Kasturi won third prize
V. Chelladurachi II B.Sc. Botany	1 <sup>st</sup> Traditional sports and games, Tamil Nadu 2018	JSA multi sports, Tirupur	26-08-2018	won silver medal in Rank 2 event skating
V. Chelladurachi II B.Sc. Botany	open yoga championship	Maharishi Vidya Mandir, Tenskasi	09-09-2018	Chelladurachi won first prize
V. Kasturi & C. Manila				fifth position
A. Elakkiya & Utichimahali III B.Sc.	Palymara Fest	Dept. Of Plant Science, M.S. University	05-03-2019	2 <sup>nd</sup> prize in flower arrangement
Pyarijan and Sucilla				3 <sup>rd</sup> prize in vegetable carving

### Student Paper presentation in Seminars/ Conferences/Workshops (outside campus)

Student Name	Title of the paper	Title of the seminar	Organised by	Date
Manikandeswari of II M. Sc.	Antifungal activity of plant extracts against dandruff causing organism <i>Malassezia furfur</i>	BIOWIZ – 2018	St. Xavier's College, Palayamkottai	first prize in paper presentation

### Student Project details

Name of the student	Name of the Guide	Title of the project	Sanction agency	Amount sanctioned
Ms. Pattukanthimathi	Dr. A. Saravana Ganthi	Utilization of Agrowaste for value added products	TNSCST	7500.00

### Ph.D. scholars awarded doctorate

Name of the Guide	Name of the Scholar	Register Number	Year of Completion	Name of the University
Dr. A. Saravana Ganthi	D. Ahino Mary	12313	18-01-2019	Manonmaniam Sundarnar University Tirunelveli

### Refresher course attended

Name	Institution	Level / sponsor	Date
Dr. G.S. Rekha	Madurai Kamaraj University, Madurai	UGC	18 - 12-2018 to 07-01-2019.
Dr. P. Leela	Human Resource development centre, Madurai Kamaraj University, Madurai.	UGC	16-11-2018 to 06-12-2018.

### Association meeting



27 - 10 - 2018, Botany Association meeting - Dr. L. Louis Jesudoss, Asso. Prof. (Rtd), St. Xavier's College, Palayamkottai - chief guest. Topic - Microbial world.  
**08-09-2018 one day workshop on Foldscopy. Chief guest Mr. M. O. Pandiaraj, Eden Education Research Centre, Madurai.**



### Resource person in Workshops/Seminars/Conferences/ etc.

Name of the Faculty	Title of the talk	Date	Institute
Dr. A. Saravana Ganthi	Ethnoveterinary practices in livestock and poultry	22.06.2018	Veterinary University Training and Research Centre, Nagercoil.
	Ethnoveterinary Medicinal Plants	21-12-2018	Regional Joint Director's Office, Department of Animal Husbandry, Toothukudi.

### National Seminar organized





National Seminar on "Bioprospecting of Bioresources from Sea" on 07-03-2019 and 08-03-2019 sponsored by Ministry of Earth Sciences, New Delhi. 113 outside participants. 60 papers presented.



## Paper published

Authors	Title	Journal details
Dr. A. Saravana Ganthi	Phytodiversity studies of Nambineri wetland of Gopalasamuthiram village, Tirunelveli district, Tamil Nadu	Journal of Medicinal Plants Studies 2018; 6(6): 106-115.
	Hydrophytes of selected wetlands of Tirunelveli district Tamil Nadu, India	Int. J. of Fisheries and Aquatic Research 3(4); October 2018; 45-49
	Acute and sub-acute toxicity study of <i>Trema orientalis</i> (L.) Bl. methanol extract in rats	Journal of Drug Delivery & Therapeutics. 2019; 9(1-s):307-311.
	Antidiabetic activity of methanolic extract of <i>Ehretia ovalifolia</i> Wight. in Alloxan induced Diabetic Wistar Albino Rats	Journal of Emerging Technologies and Innovative Research 2019; 6: (1): 529 -532.
Dr. P. Leela	Allelopathic potential of <i>Echinochloa crus Galli</i> (L.)P. Beauv extracts on growth and developmental changes of <i>Abelmoschus esculentus</i> (L.) and <i>Solanum lycopersicum</i> (L.).	International Journal of plant stress physiology. 2018 vol.4 PP: 33-37
Dr. M. Karpaga Jothi	Effect on the effect of vermicompost produced from solid waste on the growth and biochemical parameter of medicinal plants – <i>Indigofera tinctoria</i>	International Journal of Recent scientific Research VOL-9 Issue6(c)pp 27421-27426 JUNE 2018

## Educational tour

		
14 – 08- 2018 – I B. Sc. and I M. Sc. Botany students went for educational tour to Manapad, Uvari, Vattakottai and Kanyakumari for the Algal study	04-01-2019 – III B.Sc. students - Floriculture Research Institute, Thovalai and Horticulture Research Station, Petchiparai	11 – 09- 2018 – I M. Sc. Botany students went for educational tour to Tuticorin coast for the Algal Collection.

## University rank holders



student	Course	Position
SANGEETHA P	B.Sc.	3 <sup>rd</sup>
VELLANKANNI K	B.Sc.	5 <sup>th</sup>
ESAKKIAMMAL S	B.Sc.	7 <sup>th</sup>

## Medicinal Plants Exhibition

Our students display medicinal plants in the District Science Centre



## Outreach Program

	<p><b>Outreach Program</b> On 17 - 03 – 2019, II B. Sc. Botany students went for outreach program to Annai Theresa Happy home, Vickiramasinkapuram.</p>	
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