

Organized Webinars & other Events

On June 1, 2020, an Inter Collegiate online COVID 19 Quiz was held in collaboration with Thoothukudi's Institute of Industrial and Marine Safety.



On the occasion of the World Environment Day Drawing Competition for School Children, which will be held online on June 5, 2020.

International webinar organized on 22.07.2020. Dr. Vasudevan Ayyappan, Delaware State University, USA delivered a special lecture on "The Science of Epigenetics" conducted



Dr. R. Ramasubbu, Assistant Professor of Biology, Gandhigram Rural Institute, Dindigul, hosted a webinar on "Shola Forest - A Biodiversity Paradise" on October 23, 2020.



Kitchen Garden webinar on understanding our food ecosystem by Soil and Soul was conducted on 3rd January 2021.



On the occasion of World Wildlife Day, a Photography Contest 2021 was held for the general public and university/college students on March 3, 2021.



On March 15, 2021, Skip N Fit, a fitness programme for our college students, was conducted in collaboration with the Physical Education Department.

G. Venkataswamy Naidu College, Kovilpatti (Reaccredited with A grade by NAAC) Department of Botany

News Letter - 2020-21

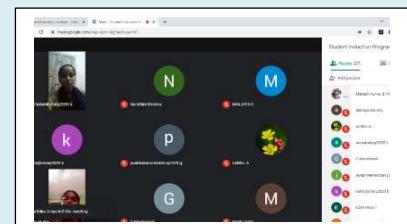
Students Induction Programme/Bridge Course 2020-2021

The induction programme was brought in with a view to uplift the level of the entrants to an elevated stage, promote all-round development and exposing learners' stigmas to minimize and to maximize their learning. Learners come with diverse thoughts, backgrounds & perceptions. Hence it becomes important to help them adjust to the new environment & inculcate the ethos of the Institution with a sense of larger purpose.

The objective of this program was to acclimatize the students to the new environment and get them acquainted with the Institution culture. The Induction program comprised of motivational lecture, expert lectures and campus orientation sessions. This Academic year (2020-2021), due to pandemic the entire events were conducted through virtual platform Google meet: <https://meet.google.com/xwp-ebyn-ikg>.

On the first day, Dr. B. Makesh Kumar, Head of the Department welcomed and enlightened the entrants with epigrammatic history of the Department and conceptualization of various activities constituting induction program and the objectives. Department professors were introduced by the head and students were given an overview of the Department by Professors. Students introduced themselves and spoke about their aim. Totally 32 students participated.

On the second day, Dr. B. Makesh Kumar, Head of the Department delivered a special lecture on "Plant Science - An overview". In his lecture he emphasised the importance of plant science and career available in this field. Total of 30 students attended this session.



On the third day, Department staffers explained the Department Vision and Mission. Later B.Sc., Botany programme outcome and course structure was explained. Entrants were well informed about the difference between academic culture in College and study culture in School. They were appealed to acquire etiquettes, sense of grooming, and professional ethics, in addition to their concentration during the course of graduation. Students actively interacted with staffers in the whole session and gave their feedback about online class. The programme ended with the sense of attainment and gratification on both the ends.

Award received by staff

Dr. B. Makesh Kumar received Tamil Nadu Government Environment Patron Award & Rs.10,000 Cash Prize from Department of Environment, Tamil Nadu on 05.06.2020 towards the contribution of creating Environment Awareness, Conservation & Management in Kovilpatti region



Minor Projects

Dr. B. Makesh Kumar Received TNSCST – S&T Minor Project on “Development of novel bio-face mask using plant mask using plant molecules with special reference to 2019-nCoV”. Total Approved Amount is Rs. 1,75.000/-.

Bird Counting Programme



The volunteers enthusiastically engaged in the Wetland Birds counting activity at Aalampatti Village, Moopanpatti Village, and Nalattinpputhur village on 31.01.2021, in collaboration with ATREE, Tirunelveli.

PAPERS PUBLISHED IN PEER REVIEWED JOURNALS / BOOK CHAPTER (2020-21)

1. Dr.V.UMA “Screening for Bioactive Potential of Edible Mushroom Extracts against Tooth Decay Bacteria” Research.ISSN 2277-7105, p.2257.
2. “*Babylonia spirata* (Linnaeus, 1758) on biochemical and nutritional composition levels are altered by *Aeromonas hydrophila*. International World Journal of Pharmaceutical Research.ISSN 2277-7105, p.2257.
3. Dr. N. Karthick. Recent Progress in Phytochemistry and Pharmacognosy. JP Publications ISBN. 978-93-5268-311-6.
4. Selvaraj, K. and Ramasubramanian, V. 2020. Phytoremediation of Fireworks pollutants by hyperaccumulators. (Ed.) Raghu Babu, K. and Aruna Kuamri Nakkella In: Global Environmental Governance policies and ethics. Vol. 1. Ed. Pp.182 – 192.
5. Makesh Kumar, B., Veni, P., Vijayalakshmi, M., Selvaraj, K. and Stephan, J. 2020. Stem anatomy of four genera of cucurbitaceae: Int. J. of Adv. Res. in Bot. 6(2): 2455 – 4316. DOI: <https://doi.org/10.20431/2455-4316.0602002>.
6. Selvaraj, K. Ramasubramanian, V. and Makesh Kumar, B. 2021. Bioremoval of cobalt chloride by sargassum biomass. J Bioremediat.Biodegrad. 12(2): 1 – 8.
7. Selvaraj, K. Ramasubramanian, V. and Makesh Kumar, B. 2021. Phytoremediation potential of Brassica Juncea in nickel contaminated soil. Indian J. of Research. 10(4): 150 – 159.
8. Rajadurai, M., Makesh Kumar, B. and Selvaraj, K. 2021. Investigation on organ specific carbon concentration of Palmyra palm in Thoothukudi District, Tamil Nadu. Int. J. of Bot. Stud. 6(3): 398 – 401.
9. Kumar P and Makesh Kumar B. 2021. Seasonal Diversity and distribution of butterflies in G. Venkataswamy Naidu College campus, Kovilpatti, Tuticorin district, Tamil nadu. International Advances in Zoology and Botany.

Guest Lecture Delivered by Staff

Name	Date	Topic	Organizer
Dr. B.Mahesh kumar	08-14 June 2020	“Immunity Boost by Plants and Yoka”	Govt.Girls ,Excellent College,Dashra Maidan Ujjain .
Dr. P. Kumar	03.12.2020	“The Role of Biologist in Environmental Impact Assessment (EIA)”	Ayya Nadar Janaki Ammal College (Autonomous) , Sivakasi
Dr. K. Selvaraj	03.02.2021	“Earth – the better place for living”	Department of Commerce, Sri Kaliswari College (Autonomous), Sivakasi

- E- Ethnobotany: uses, and challenges of medicinal plants. In: Current Trends on Ethnobotany and Phytochemistry of Indigenous Plants; (Ed.) Aruna Kuamri Nakkella and Manju Lata Upadhyay Pp.91 – 99.
- Phytoextraction potential of Amaranthus spinosus L. Under nickel stress in co-cultivated condition International Multidisciplinary Innovative Research Journal -An International refereed e-journal.
- Identification of locally available medicinal trees in Virdhunagar District, Tamilnadu, India. Int. journal of botanystudies. Vol 7, Issue:2, P.No:142-145.
- Feeding ecology of spiders in rice ecosystem at Alagar hills, Melur Taluk, Madurai district, Tamilnadu, India. Int. journal of pharmacy and biological sciences, Vol 3, Issue: 2.
- Antimicrobial Studies and GC-MS Analysis on Endocarp (Young) of Borassus Flabellifer L. NOVIY MIR Research Journal

Publication in Book/Book Chapter

- Dr. K. Selvaraj & Dr. B. Makesh Kumar, Phytoremediation of fireworks' pollutants using *Brassica juncea* In: Biological research in 2021: Aspects and prospects: Lam Lambert academic Publishing: Republic of Europe. (Ed.) A. Sarvalingam, A. Rajesh and S. Jeyakumar. Pp. 118 – 128.
- Dr. K. Selvaraj & Dr. B. Makesh Kumar, Ethnobotany: uses, and challenges of medicinal plants. In: Current Trends on Ethnobotany and Phytochemistry of Indigenous Plants; (Ed.) Aruna Kuamri Nakkella and Manju Lata Upadhyay Pp.91 – 99.
- Dr. K. Selvaraj, Environmental Studies, New Century Book House (P) Ltd., 41 – B, SIDCO Industrial Estate, Ambattur, Chennai – 600 050.

Webinar Organized

Date	Topic of the Webinar	Resource person
05.08.2021	“Plant Tissue Culture Technique: Present and Future Prospects”	Dr. P. Gurusaravananan Assistant Professor of Botany Bharathiar University, Coimbatore.
10.08.2021	“Phytoremediation”	Dr. V. Ramasubramanian Principal, SRV College of Arts and Science, Sivakasi.
12.08.2021	“Mushroom Cultivation Technique – An Entrepreneurial approach”	Dr. U. Danya, Assistant Professor of Botany, Nirmala College for Women, Coimbatore – 641018



G. Venkataswamy Naidu College, Kovilpatti

(Autonomous & Reaccredited with A grade by NAAC)

Department of Botany & Nature Club

News Letter – 2021-2022

Students Induction Programme/Bridge Course 2021-2022

The induction programme was implemented in order to raise the level of entry to a higher level, promote overall growth, and expose learners' stigmas in order to reduce and optimise their learning. Learners have a wide range of ideas, backgrounds, and perceptions. As a result, it is critical to assist students in adjusting to their new surroundings and instilling the Institution's ethos with a feeling of wider purpose.

The goal of this programme was to acclimatise students to their new surroundings and familiarise them with the culture of the institution. The induction programme included motivational talks, expert lectures, and campus orientation activities. Due to the pandemic, all events this academic year were held on the virtual platform Google Meet: <https://meet.google.com/xwp-eyzn-ikg>.

On the first day in the Departmental Session, Dr. B. Makesh Kumar, Head of the Department welcomed and enlightened the entrants with epigrammatic history of the Department and conceptualization of various activities constituting induction program and the objectives. Department professors were introduced by the head and students were given an overview of the Department by Professors. Students introduced themselves and spoke about their aim.

On the second day, Dr. B. Makesh Kumar, Head of the Department delivered a special lecture on “Plant Science – An overview”. In his lecture he emphasised the importance of plant science and career available in this field. Total of 35 students attended this session.



On the third day, Department staffers explained the Department Vision and Mission. Later B.Sc., Botany programme outcome and course structure was explained. Entrants were well informed about the difference between academic culture in College and study culture in School. They were appealed to acquire etiquettes, sense of grooming, and professional ethics, in addition to their concentration during the course of graduation. Students actively interacted with staffers in the whole session and gave their feedback about online class. The programme ended with the sense of attainment and gratification on both the ends.

Award received by staff

Dr. B. Makesh Kumar received 'Distinguished Professor award' from Institute of Researchers and 'Life Time Achievement Award' from Nature Science Foundation, Coimbatore during Academic Year 2021-2022.



Dr. B. Makesh Kumar, Dr. V. Uma & Dr. K. Selvaraj, received coordinated the formation and functioning of student volunteer teams in the areas of Hospital Management, Non Hospital Management, Support to Covid affected families, Medical Supplies, Psychosocial support to Covid patients and their family members as a part of Beat Covid Campaign initiative of Mahatma Gandhi National Council of Rural Education, Hyderabad.

Copyright received & Patent filed by staff

Dr. G. Chelladurai and Dr. B. Makesh Kumar filed a patent; Nature of Work: Isolation of Bioactive Molecules from the Operculum of Muricidae Gastropod Against Bone Cancer. (Application # 202141043478 – 24.09.2021)

Dr. B. Makesh Kumar received a Copyright for the work "Foil Card Generation with VBA with MS Excel".

Dr. B. Makesh Kumar filed a Copyright for the work Course Outcome (CO) report generation using MS Excel with VBA" (Diary # 2280/2022-CO/SW.



Educational Tour

As a part of B.Sc. & M.Sc., Botany Curriculum, two-day educational tour was organized to visit Thiruvanthapuram and Tropical Botanical Garden Research Institute, Palode from 28.04.2022 to 29.04.2022. Students had the opportunity to learn about botany research and the conservation and protection of natural resources and biodiversity during their tour to the Tropical Botanical Garden Research Institute. This tour assists students in providing a perfect blend of academic and practical learning.



Research Article Publication in Peer Reviewed Journals by staff:

1. Investigation on organ specific carbon concentration of Palmyra palm in Thoothukudi District, Tamil Nadu. Int. J. of Bot. Stud. 6(3): 398 – 401.
2. *Amaranthus viridis* L. A best hyperaccumulator for arsenic pollutants Int. J. of Sci. Res. 10 (8): 1-2.
3. Phytoremediation a miraculous tool for polluted environment. In: Global Environmental Justice: Institution, Policies and Implementation. Ed. Pp.172 – 182. (Ed.) Aruna Kuamri Nakkella and Surendra Kumar Yadav
4. Phytoremediation of Fireworks' Pollutants Using *Amaranthus spinosus* L. Proceedings of ICSSR Sponsored Webinar on Human Behaviour and Environmental Sustainability. PSG 8.COLLEGE OF ARTS & SCIENCE
5. Phytoremediation of fireworks' pollutants using *Brassica juncea* In: Biological research in 2021: Aspects and prospects: Lam Lambert academic Publishing: Republic of Europe. (Ed.) A. Sarvalingam, A.Rajesh and S. Jeyakumar. Pp. 118.

A special seminar on “Plant – Microbes interaction” by Dr. T. Kuberan Associate Professor, Guizhou University, China was organized on 14.12.2021.

Mr.A.Shanmuganathan, M/S Phoenix, Entrepreneur and Trainer, Srivilliputhur delivered a special seminar on “Let be an Entrepreneur”.



Bird Counting Programme

In Collaboration with ATREE, Tirunelveli the volunteers actively participated in the Wetland Birds counting programme at, Moopanpatti Village and Athaikondan village water tank



PG Students Field & Industrial Visit

A field trip to study the natural vegetation at Kurumalai hills/forests was a great way for postgraduate students to gain hands-on experience and learn about the local ecosystem. The trip on November 14th, 2021 (Sunday) provided a valuable opportunity for students to observe and study different types of vegetation, learn about the various plant species and their roles in the ecosystem, and understand the impacts of human activities on the natural environment.



Postgraduate students' visit to Growmore Biotech Limited on April 26th, 2022 was a wonderful chance for students to get industrial expertise and understanding of the real-world applications of their studies. Students get an inside look at the operations, methods, and technology employed in the biotech business.

Students interacted with industry professionals and learnt about the current trends and possibilities in the sector. This tour assisted students in understanding the practical components of the course, which would be useful in their future employment.

TNSCST PG Students Project Received Details

1. Title of the Project:

Socio-economic impact of COVID 19 lockdown on women workers of Match Industries in Kovipatti.



Ms. S. Gangadevi



Ms. J. Thamyanthi

2. Title of the Project:

Phytoremediation Potential of the selected Aquatic Macrophytes for treating Match Industry Effluent in Kovilpatti.



Ms. V. Malathika



Ms. S. Sivalakhsmi

3. Title of the Project:

Raspberry Pi-based IOT system for Hydroponics.



Ms. S. Anto Agnes Reshma



Ms. N. Karpagalakshmi

PG Students Field Training

PG students visited an Appaneri village and observed agricultural techniques firsthand to improve their practical understanding and field training. This hands-on experience was extremely beneficial in assisting students in better understanding the principles they had covered throughout their studies.



PG Students Free Services/Community Services

Postgraduate students participated community service as part of their curriculum, visiting a mental asylum maintained by the Drum Trust and performing cultural events and serving meals to the residents. This was a beneficial experience for students since it helped them understand the needs of persons suffering from mental illnesses and create empathy and sympathy for them. It also gave the opportunity to use their academic knowledge and talents in a real-world setting.



Association Meeting – Guest Lecture

As a welcome gesture, tree saplings were provided to first-year undergraduates in order to raise environmental awareness and inspire students to participate in preserving the world.



On 16.09.2021, a special lecture on “Importance of Ozone and its impact on globe” was conducted by Dr. S. Senthilkumar, Research Associate in Chemistry College of Biological, Chemical Science and Engineering, Jiaxing University, China.

Mr. N. Ravindran, Atree, Tirunelveli, will deliver a special lecture on “Paravaikalum Sutrusoozhalum”



Wildlife Week Celebrations

Wildlife Week Celebration 2021 was observed by volunteers from the nature club on October 8, 2021; it is a great opportunity to promote awareness about the significance of wildlife protection. Displaying placards and wearing animal face masks is a creative and eye-catching technique to educate people about the need of safeguarding wildlife and their habitats by



Smokeless/ Eco friendly Diwali Awareness:

The Fire & Rescue officer, Kovilpatti Mr. Arulraj and fire service personal conducting a fire safety awareness demonstration for the college students and staff on November 01, 2022.



Seminar cum workshop on “Utilization of Medicinal Plants” Mr. G. Maran. Natural Herbal Medicine Centre, Sivakasi on 25.02.2022.



Organized Seminar Series

On 04.09.2021, a seminar organized on “How to prepare for CSIR NET Life Science & JRF Exams”, by Dr. S. Subburayalu, K.R. College of Arts and Science, Kovilpatti



On 04.09.2021, a seminar organized on “How to prepare TNPSC & other Competitive Exams”, by Mr. S. Maheswaran, District Employment Office, Thoothukudi.



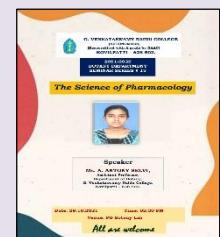
Ms. V. Malathika, II M.Sc., Student delivered a lecture on “Epigenetics” on 09.09.2021.

A seminar on “General Job opportunities for Graduates and Commercial Zoology” delivered by Dr. David Benher, Associate Professor and Head (Retd.), Department of Zoology, V.H.N.S.N. College, Virudhunagar on 17.09.2021.

Ms. J. Thamayanthi, II M.Sc., Student delivered a lecture on “DNA, RNA and Protein” on 24.09.2021.



Ms. P. Veni, II M.Sc., Botany student delivered a lecture on “Synthetic Biology” on 08.10.2021.



On October 29, 2021, Ms. A. Antony Selvi, Assistant Professor of Botany, GVN College deliver a lecture on “The Science of Pharmacology”.



A workshop on “How to Identify the Plants” by Mr. J. Stephan, Senior Research Fellow, Jawaharlal Nehru Tropical Botanical Garden and Research Institute, Palode on 12.11.2022.

Research Article Publication in Peer Reviewed Journals by staff:

Name of the Staff	Title	Journal Name	Year of Publication
Dr. K. SELVARAJ	Phytoremediation for sustainable environment for Polluted Land	Res. Jr. Agril Sci.	March, 2023
Dr. B. Makesh Kumar	Above ground biomass stockpile of Trees in Southern Tropical Region Thoothukudi District, Tamil Nadu.	Journal of XI'an Shiyou University, Natural Science Edition	November 2022
Dr. K. Selvaraj & Dr. B. Makesh Kumar	Comparative Phytoremediation Potential of Amaranthus Spinosus L. Soil Contaminated with Fireworks Pollutants.	Proceeding of International Conference "Environmental Pollution and Controlled Techniques"	August 2022
Dr. K. SELVARAJ	Phytoremediation for sustainable environment for Polluted Land	Res. Jr. Agril Sci.	March, 2023
Dr. N. Karthick	Screening of Phytochemical activity of <i>Antigonon Leptopus</i> Hook. & Arn.	Proceeding of International Seminar on Plant Response to Climate Change	December 2022
Dr. N. Karthick	<i>Smilax zeylanica</i> L. a promising drug for inflammation	International Journal of Pharmacy and Biological Sciences	
Dr.R.Lakshmanan	Antimicrobial Studies and GC-MS Analysis on Cucumber Peel (<i>Cucumis sativus</i> L.)	International Journal of Pharmacy and Biological Sciences	July, 2022.
Dr. K. SELVARAJ	Novel Evaluation Techniques of Phytoextraction Hypoaccumulator.	International Journal of Scientific Research	June, 2022
Dr.R.Lakshmanan	Survey of Aromatic Plants in Kalakkadu Panchayath, Tirunelveli District, Tamil Nadu, India	International Journal of Botany Studies	June, 2022



G. Venkataswamy Naidu College, Kovilpatti (Autonomous & Reaccredited with A grade by NAAC) Department of Botany & Nature Club News Letter - 2022-2023

National Conference on "Recent Trends in Biological Sciences"

Management sponsored a two-day National level conference on "Recent Trends in Biological Sciences" was organized on 24th & 25th January 2023. Dr. B. Makesh Kumar was the convener and Dr. K. Selvaraj the organizing secretary of the programme. The themes of the conference included Environmental Pollution, Ethnobotany, Biotechnology, Plant Physiology, Diversity of Plants, Modern Taxonomy, Biodiversity, Microbiology, Plant Pathology and Plant Anatomy.

After the inaugural session on 24th January at 10:30 A.M, Dr. B. Makesh Kumar Convener of this conference proposed the welcome address. Dr. P. Mahedran, Secretary, GVN College Kovilpatti presided over the inaugural function. The Felicitation address was delivered by Dr. N. R. Santhi Maheswari Principal, GVN College, Dr. G. Venkatasalapathy Director of Self Financing Courses GVN College Kovilpatti, and Mr. Govindarajalu Secretary, Lakshmi Mills School Kovailp.

Dr. V. Ramasubramanian Associate Professor & Head (Retd.), ANJAC, Sivakasi was the Advisory board member of this conference. Following the inaugural function, the first session was handled by Dr. S. Karuppasamy Assistant Professor, Department of Botany, The Madura College, (Autonomous), Madurai. He delivered an informative speech on "Bioprospection of Anticancer Phytomolecules from higher plant sources"



The post-lunch first technical session was chaired by Dr. V. Ramasubramanian, Associate Professor & Head (Retd.), ANJAC, Sivakasi. After the first Technical session, Dr. C. Ravinder Singh, Chief Scientist, Research & Innovation, Aakash Plantations L.L.C. Silicon Oasis, Business Bay, Dubai, U.A.E. delivered a lecture on "Importance of Plant Science and its Scope".

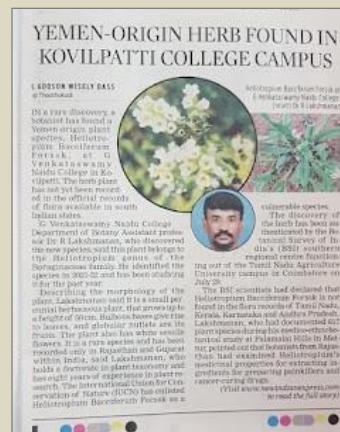


On the second day, the first session started with Dr. R. Ramasubbu Assistant Professor of Biology, Gandhigram Rural Institute (Deemed to be University), Dindigul. He delivered a lecture on "The role of Plant Reproductive Biology in Biodiversity Conservation". The II & III sessions were chaired by Dr. V. Ramasubramanian and Dr. R. Ramasubbu. In the post-lunch Session, Dr. P. Gurusaravanan, Assistant Professor, Department of Botany, Bharathiar University, Coimbatore delivered a lecture on "Plant in vitro culture techniques: A promising alternative tool for the production of bioactive metabolites". A total of 69 participants attended and 49 abstracts were received from various parts of India. 49 researchers presented their various findings during the conference.

In the valedictory function, Dr. V.Uma, Assistant Professor of Botany welcomed the gathering. Our beloved Principal Dr. N.R. Santhi Maheswari and Dr. G. Venkatasalapathy, Director of Self-Financing Courses, GVN College Kovilpatti distributed the certificates to the participants. Dr. K. Selvaraj, Assistant Professor of Botany, GVN College Kovilpatti organizing secretary of this conference delivered the vote of thanks.

New Plant Species Identification

The new species, *Heliotropium bacciferum* Forssk., belonging a member of the Boraginaceae family, was discovered by Dr. R. Lakshmanan, Assistant Professor of Botany at G. Venkataswamy Naidu College (Autonomous) Kovilpatti. The herb is not yet listed in the official databases of South Indian state flora. The Botanical Survey of India (BSI) Southern Regional Centre, which is based on the campus of the Tamil Nadu Agriculture University in Coimbatore, has verified the finding of the herb.



Educational Tour

As a part of B.Sc. & M.Sc., Botany Curriculum, a two-day educational trip to Thiruvanthapuram and Tropical Botanical Garden Research Institute, Palode was organized on 24th & 25th March 2022. Students had the opportunity to learn about botany research and the conservation and protection of natural resources and biodiversity during their visit to the Tropical Botanical Garden Research Institute. This tour assists students in providing a perfect blend of academic and practical learning.



Bird Counting Programme

In Collaboration with ATREE, Tirunelveli the volunteers actively participated in the Wetland Birds counting programme at, Moopanpatti Village and Athaikondan village water tank.



Guest Lecture Delivered by Staff

Name of the Staff	Name of the Programme	Name of the Institute	Date
Dr. B. Makesh Kumar	Inauguration of Botany Association	Sri Parasakthi College, Coutrallam	24.09.2022
Dr. B. Makesh Kumar	Inauguration of Botany Association	SFR College, Sivakasi	27.09.2022
Dr. N. Karthick	Sutrusoolal	A.I.R., Thoothukudi	05.10.2022
Dr. N. Karthick	Botany Association	VVV College, Virudhunagar	17.10.2022
Dr. K. Selvaraj	Department of Biotechnology	PSR College of Engineering	05.04.2023

Industrial Visit

Postgraduate & Undergraduate students visited Gangaikondan Roller Flower Mill & Solar Power station at Gangaikondan on 07.04.2023. It was a wonderful chance for students to get industrial expertise and understanding of the real-world applications of their studies. Students get an inside look at the operations, methods, and technology employed in the Food processing.



Students interacted with industry professionals and learnt about the current trends and possibilities in the sector. The visit assisted students in understanding the practical components of the course, which would be useful in their future employment.

Field Trip

A field trip to study the natural vegetation at Kodaikanal hills/forests was a great way for postgraduate students to gain hands-on experience and learn about the ecosystem. The trip on 2nd August 2022 provided a valuable opportunity for students to observe and study different types of vegetation, learn about the various plant species and their roles in the ecosystem, and understand the impacts of human activities on the natural environment.



To fulfil the academic obligation, the Department of Botany organized a one-day field trip to the coastal area of Kanyakumari for the UG first year students. The prime objective of the field trip was to study the Algal vegetation in the sea coast and collect the algal species.



Copyright received & Patent filed by staff

Dr. V. Uma, Dr. B. Makesh Kumar & Dr. G. Chelladurai filed a patent for Candy made from the peel of *Punica granatum L.* (Lythraceae)



Dr. B. Makesh Kumar & Mr. Vairavaraj received a Copyright for the work Course Outcome (CO) report generation using MS Excel with VBA"

Dr. B. Makesh Kumar & Dr. G. Chelladurai received design patent for Bio-face Mask.

Awards/recognition received by staff

Dr. K. Selvaraj Assistant Professor of Botany, Received "Senthamizhar Viruthu" from Mouval Kavithai Naduvam, Tamilnadu on 11.03.2023.



Ms. K. Ayyammal

TNSCST Sponsored Students Project

The Second PG students Ms. K. Ayyammal received fund for the Student Project entitled "Bottom Dumpsite Ash from Thoothukudi Thermal Power Station: A suitable Material for Soil Waste Management Through Vermicompost - Novel report".

Management Sponsored Minor Research Project received by staff

Name of the Staff	Title of the Project	Amount
Dr. V.Uma	Preparation of candy made from the peel of <i>Citrus limetta</i> .	Rs.15,000/-
Dr. K. Marisamy	Potential of agricultural wastes as the alternative adsorbent for copper removal from contaminated soil.	Rs.15,000/-
Dr. R. Lakshmanan	<i>In vitro</i> multiplication of <i>Heliotropium bacciferum</i> Forsk - a rare discovery medicinal plant of western Ghats.	Rs.15,000/-
Dr. K. Selvaraj	Bioadsorption-To clean match industry effluent toxicity.	Rs.15,000/-
Dr. G. Chelladurai	Rational construction of semiconductor Nanocomposites for Environmental applications.	Rs.15,000/-

Association Meeting – Guest Lecture

Welcome Party to the Freshers



A three in one function was celebrated on 29.08.2022 Thursday in the Meeting Hall. The function was arranged in order to felicitate the new entrants of I B.Sc., & I M.Sc. Botany along with Association inaugural function and Nature Club inaugural Function.

Dr. Petichumuthu, Assistant Professor of Botany Sri Kumara Gurupara Swamigal Arts College, Srivaikundam Thoothukudi, delivered a lecture on “Prospect and future of Ethnobotany” on 22.09.2022.



Dr. N.R. Santhi Maheswari, Principal, GVN College Kovilpatti planted saplings during the inaugural function of Green Tamil Nadu Mission on 09.11.2022.



Mr. Cho. Dharman, Writer, Sahithya Academy Awardee Kovilpatti delivered a Chief Guest address during the Inaugural function of Green Tamil Nadu Mission on 09.11.2022.



On 13th January 2023, the Pongal day celebration was held in our College for the students and the faculty members. The echoes of the words 'Pongalo Pongal' kept ringing in and around the campus as the Pongal pot boiled to the brim.



Dr. N.R. Santhi Maheswari Principal GVN College Kovilpatti planting tree saplings under the Green Tamil Nadu Mission on 11.11.2022 & 17.03.2023.



In connection with the International Women's day a special Thyroid and Haemoglobin test camp was organized for our Department female students in association with Thyrocare on 11.03.2023.

In connection with the Naan Mudalvan Scheme, students from government higher secondary schools in and around Kovilpatti visited our Department and learned about the instruments used in plant science research as well as other strategies on 27.02.2023. Specimens were exhibited for their understanding.



The Farewell Day function was organized for our final year UG and PG students. Dr. N.R.Santhi Maheswari, Principal of our College, presented the presidential address and wished the students good fortune in the future.

Organized Seminar Series

A seminar on “Biochemical actions of Phytohormones in Plants” was organized on 09.09.2022. Dr. S. Subburayalu, Assistant Professor of Biochemistry, K.R. College of Arts and Science, Kovilpatti was the Chief Guest.



A one-day seminar on “Preparation of CDS and Competitive Exams” was organized on 16.09.2022. Ms. M. Vijayalakshmi An Alumnus of M.Sc. Botany and Aspirant of CDS&SSB Cavalier India Training Institute Bangalore was the Chief Guest.



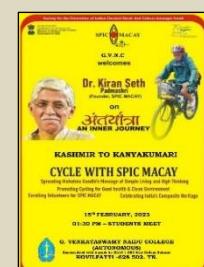
A seminar on “How to analysis Newspaper/Current Events” was organized on 07.10.2022. Ms. Jeyasudha, II M.Sc, Botany & UPSC Aspirant, GVN College Kovilpatti was the Chief Guest.



Organized a seminar on “Healthy Food and Healthy Life” on 17.10.2022. Dr. K.Dharmaraj, Associate Professor of Botany (Retd.) ANJA College, Sivakasi was the Chief Guest.



Organized a seminar on “Influence of different pathways of regeneration on genetic and phytochemical instability of Curculigo orchioides” on 04.11.2022, Dr. A.Parameswari, Assistant Professor, Department of Microbiology, K.R. College of Arts and Science, Kovilpatti was the Chief Guest.



Research Article Publication in Peer Reviewed Journals by staff:

Name of the Staff	Title	Journal Name	Year of Publication
Dr.B, Makesh Kumar	Phytochemical screening and antimicrobial activity different geographical areas in Tuticorin district	Eur. Chem. Bull. 2023, 12 (S3), 4255 – 4266	June, 2023
Dr.R.Lakshmanan	Development of Silver Nanoparticles Using Thalinum Bordulacifolium Leaf Extract and Its Antimicrobial Activities	Journal of Advanced Zoology	October 2023
Dr.R.Lakshmanan	Green synthesis of silver nanoparticles using Barleria noctiflora leaf extract and its bioactivity.	Journal of Uttar Pradesh Zoology	November 2023
Dr. T. Amutha Priya	Nano -based Biofuel Production from low-cost lignocellulose biomass: Environmental sustainability and Economic Approach	Bioprocess and Biosystems Engineering	March 2024
Dr. T. Amutha Priya	Against fish Striga angustifolia (T. Tan) c. J. Antimicrobial activity of Saldanha against pathogen	Transdisciplinary Insights in Life Sciences.	2023
Dr. T. Amutha Priya	Sustainable energy generation by anaerobic electrogenic bacteria from soil sludge with microbial fuel cells. 2023	Indian Journal of Advances in Chemical Science 11 (3), 193-197	2023
Dr. I. Iniya Udhaya	Gracilaria corticata JAG. (Red Algae) Green Synthesis of Silver NanoparticlesTamil Nadu, India.	International Journal of Pharmaceutical Research and Application.	December 2023
Dr. I. Iniya Udhaya	Phytochemical profile of ethanolic extract of Laurencia pedicularioides Borgeson.	International Journal of Botanical Studies., 8(12): 39-42.	December 2023



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G. Venkataswamy Naidu College, Kovilpatti (Autonomous & Reaccredited with A grade by NAAC) Department of Botany & Nature Club News Letter - 2023-2024

Workshop on “Intellectual Property Rights (IPR)”

A two-day Technical Workshop on “Intellectual Property Rights (IPR)” was held on 21st and 22nd July 2023, organized by the Department of Botany, IQAC, and IIC at G.V. Naidu College, Kovilpatti, and sponsored by the Tamil Nadu State Council for Science and Technology and the Department of Science and Technology. The workshop focused on raising awareness about IPR, covering patent filing, trademarks, and geographical indications.



The event began with an inaugural session, featuring addresses from key speakers like Mr. T. Srinivasan, Patent Attorney, and Ms. S. Gomati Padma Thilaga, Scientist, TNSCST, who delivered sessions on case studies, patent search tools, and the importance of trademarks.

On the second day, Mr. A. Lakshminarayana, Examiner of Patents, detailed the patent filing process in India. The workshop concluded with a valedictory session where certificates were distributed to participants, and feedback was shared. The event successfully provided participants with a comprehensive understanding of IPR and its significance in fostering innovation.



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SCI- TECH AWARD

The SCI-Tech Award 2023, held on September 9, 2023, by the Department of Zoology & Botany, honored innovators in Science and Technology. The event, sponsored by the TNSCSTC and National Science Councils, recognized achievements across three categories:

Young Innovators:

Mr. R. Luxshanth and Mr. S. Dwarakesh were awarded for their work in renewable energy solutions using bio-waste and solar technologies.



Junior Innovators:

Mr. M. Thamizhselvan, Mr. K.P. Balamurugan, and Mr. N. Hariharan were recognized for their research in healthcare and sustainable agriculture practices.



Senior Innovators:

A team of researchers, including Dr. Pasiyappazham Ramasamy and Dr. C. Anchana Devi, were awarded for innovations such as bioremediation using microbes and AI-driven robotic devices.



The event featured keynote addresses, presentations by awardees, and a panel discussion on global challenges in Science and Technology. The Principal, Dr. M. Subbulakshmi, presented the awards, and the recipients inspired future innovators with their ground breaking work.

Two Days Workshop/Hands on Training on “Plant Taxonomy”

The Department of Botany organized a two-day hands-on training program on “Plant Taxonomy,” on 22nd & 23rd February 2024 and featured expert speakers such as Dr. N. Dhatchanamoorthy, Dr. S. Soosairaj, Dr. J. Stephan, and Dr. P. Raja, who covered topics including plant nomenclature, classification, plant key preparation, and herbarium techniques.



Field Visit

On 19.08.2023, PG students visited the Keeladi Archaeological Museum and the Kalaignar Centenary Library. The visit was both educational and enriching, offering the students a deeper understanding of Tamil heritage and the value of continuous learning.



Educational Tour

To fulfil the academic obligation, the Department of Botany organized a one-day field trip to the coastal area of Kanyakumari for the UG first year students on 10.02.2024. The prime objective of the field trip was to study the Algal vegetation in the sea coast and collect the algal species.



As a part of B.Sc. Botany Curriculum, a two-day educational trip to Thiruvanthapuram and Tropical Botanical Garden Research Institute, Palode was organized on 24th & 25th March 2022. Students had the opportunity to learn about botany research and the conservation and protection of natural resources and biodiversity during their visit to the Tropical Botanical Garden Research Institute. This tour assists students in providing a perfect blend of academic and practical learning.



Hands on Training on Agriculture

Students actively participated in practical land cultivation, focusing on paddy crops. Throughout the training, they gained hands-on experience in preparing the land, sowing, and managing the paddy fields. Their efforts have led to a nearly successful yield, showcasing their dedication and understanding of agricultural practices. This training enhanced their practical knowledge and fostered an appreciation for sustainable farming.

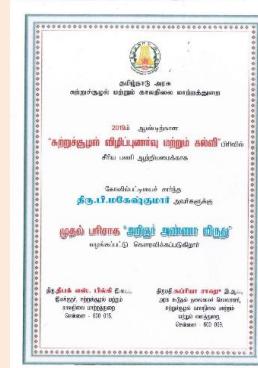


Awards/Recognition received by Staff & Student

Dr. B. Makesh Kmar, Associate Professor of Botany, received a Govt. of Tamil Nadu Aringar Anna award (First prize) and Cash Prize of Rs. 15,000/- for the year 2019 from the Honourable Environmental Minister on 06.06.2023.



Ms. P. Bagavathi, II M.Sc., Student have selected for the Internship at Indian Institute of Science & Engineering Research, Thiruvananthapuram from December 3 to 20, 2023.



Management Sponsored Minor Research Project received by staff

Name of the Staff	Title of the Project	Amount
Dr.R.Lakshmanan Assistant Professor of Botany	Fabrication of selected nanoparticles using aqueous leaf extract of <i>Heliotropium bacciferum</i> and its antimicrobial and anticancer activities -A rare discovery of south India	Rs.15,000/-
Dr.C.Iniya Udhaya Assistant Professor of Botany	Molecular diversity of <i>Hypnea flagelliformis</i> Greville ex J.Ag. (Marine red algae) collected from south east coast of TamilNadu, India	Rs.15,000/-
Dr.T.Amutha Priya Assistant Professor of Botany	Phytochemical screening and mosquito repellent activity of the five herbal plant extracts	Rs.15,000/-

On the second day, participants visited the Kurumalai Reserve Forest, where resource persons demonstrated field skills and Plant identification. During the valedictory session, participants shared positive feedback, noting the program's benefits for their research and requesting future advanced training.

Certificates were distributed by Principal Dr. M. Subbulakshmi, who stressed the importance of continuous practice in taxonomy. The event concluded with a vote of thanks by Dr. A. Kala, highlighting the program's role in enhancing plant identification and preservation skills.



International Conference on “Innovations in Computing Science & Technology: Exploring New Perspectives”

The One-day International Conference on “Innovations in Computing Science & Technology: Exploring New Perspectives” took place on 19.03.2024 in collaboration with the Departments of Information Technology, Computer Application, Statistics, and Electronics. The event began with a prayer, followed by a warm welcome address by Dr. B. Makesh Kumar, and a presidential address by Principal Dr. M. Subbulakshmi, emphasizing the importance of innovation in computing.

The first keynote speaker, Dr. S. Sudhakar from M.S. University, explored the intersection of Biotechnology and computing, sharing current trends and future possibilities. The second session, led by Mr. B. Shankar B Narayanan from Amazon Web Services, focused on advancements in cloud computing and their impact on businesses and academia.

The day concluded with a paper presentation session, allowing participants to showcase their research and innovations. The conference was a success, offering new perspectives in computing science and technology, and inspiring participants to continue exploring and innovating in their respective fields.



Association Meetings & Guest Lecture



Welcome Party to the Freshers

A three in one function was celebrated on 27.07.2023 Thursday in the Meeting Hall. The function was arranged in order to felicitate the new entrants of I B.Sc., & I M.Sc. Botany along with Association inaugural function and Nature Club inaugural Function.



A Guest Lecture on "Investigation on Biosynthesis and characterisation of Phytonano medicine and its application" was organized on 28.07.2023. Dr. M. Sanjivkumar, Assistant Professor of Microbiology, K.R. College of Arts and Science, Kovilpatti was the resource person.



In Connection with College Social Responsibilities, students from Kammavar higher secondary school visited our Department and learned about the instruments used in Plant Science research as well as other strategies on 30.08.2023. Specimens were exhibited for their understanding.



A Guest Lecture on "Introduction to Plant Molecular Biological Techniques" was organized on 16.08.2023. Dr. E. Fredrick Raja, Assistant Professor of Botany, Sri Kaliswari College, Sivakasi was the resource person.



As part of an IIT outreach event, an awareness programme on "PG Programmes at IIT" was organized on 19.09.2023. Dr. V. Kesavan, Professor of Biotechnology, IIT Madras, served as the resource person.



Bird Counting Programme

In Collaboration with ATREE, our student volunteers actively participated in the Winter Wetland Birds counting programme at water tanks in Kovilpatti on 23rd & 24th September 2023.



A Guest Lecture on "Career in Botany and Ethanocosmetics" was organized on 29.09.2023. Dr. E. Wesley, Associate Professor of Botany, Aringar Anna Govt. Arts College, Namakkal was the resource person.



In collaboration with ATREE, a seminar-cum-interactive session on "Iranial Nanbargal," an environmental awareness programme, was conducted on 25th November 2023. Sahitya Academy winner Mr. Cho Dharmar, Dr. Thanigavel, Mr. Jegajothi, and other eminent personalities interacted with students and the public during the event.



On 26.11.2021, an interactive field programme titled "Écoheritage Trail" was conducted in collaboration with ATREE at Thonukal Hill to raise awareness about conservation. The event saw active participation from both the public and students.



On 12th January 2023, the Samuthava Pongal Day celebration was held in our College. The special event, the making of Pongal, was headed by the Principal. The echoes of the words 'Pongalo Pongal' kept ringing in and around the campus as the Pongal pot boiled to the brim.



Flameless Cooking Competition

A Flameless Cooking Competition was held on 24th January 2024. Participants showcased innovative dishes without using fire, focusing on creativity and sustainability.



Research Article Publication in Peer Reviewed Journals by staff:

Name of the Staff	Title	Journal Name
Dr. B. Makesh Kumar	Molecular markers vs. phylogeographic memory confusion: An example of length-dependent mutation processes	Forestry Ideas, 2024, vol. 30, No 2 (68): 272-287
Dr. B. Makesh Kumar	Phytochemical analysis of hydroalcoholic leaf extract of <i>Dolichandron atrovirens</i> , in vitro antioxidant and in vitro anti carcinogenic potential.	Afr. J. Biomed. Res. Vol. 27 (4); 7422-7434
Dr. R. Lakshmanan	Survey of natural dye yielding plants in Vellamcode panchayath, Kanyakumari district, Tamilnadu, South India	The Bioscan. 19(2): S2: 444-453, 2024
Dr. R. Lakshmanan	Bioactive compound screening in <i>Ipomoea eriocarpa</i> (convolvulaceae) leaves using different solvents	JIRS. Vol: III:265-272 Issue: 1 Special Issue April 2025
Dr. R. Lakshmanan	Formulation and evaluation of herbal hair oil using natural ingredients.	JIRS. Vol: III:156-165 Issue: 1 Special Issue April 2025
Dr. A. Kala	Solvent based extraction and bioactive compound screening in <i>Dalbergia coromandelliana</i> (P.) leaf and Bark.	JIRS. Vol: III:208-215 Issue: 1 Special Issue April 2025
Dr. A. Kala and Dr.A. Marisamy	A study of investigation of the toxic effect of Nickel on Plant.	JIRS. Vol: III:50-58 Issue: 1 Special Issue April 2025
Dr. A. Kala and Dr.A. Marisamy	A Study of Aluminium toxicity in <i>Cymopsis tetragonoloba</i> (L.) Taub.	JIRS. Vol: III: 147-155 Issue: 1 Special Issue April 2025
Dr. T. Amutha Priya	Sustainable textile dyeing with butterfly pea flower: effect of mordants on color and fastness.	JIRS. Vol: III: 139-146 Issue: 1 Special Issue April 2025



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Department of Botany & Nature Club
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International Conference on "Convergence of Knowledge and New Frontiers: Exploring IT, Computer Applications, Library Science, Statistics, and Life Sciences in Science & Technology"

A One-day International Conference on "Convergence of Knowledge and New Frontiers: Exploring IT, Computer Applications, Library Science, Statistics, and Life Sciences in Science & Technology" was organized on 7th March 2025 by the Departments of Computer Applications, Library Science, Statistics, and Life Sciences, sponsored by the College Management. The event served as a platform for academicians, researchers, and students to explore advancements in multidisciplinary fields.



The Keynote Address was delivered by Dr. V. Deneshkumar, MSU, Tirunelveli, highlighting the role of statistical methodologies in interdisciplinary research. Technical Sessions included online and offline paper presentations, showcasing innovative ideas from participants.

In the afternoon, Dr. Manikandan Gurusamy, Research Scientist, Tshwane University of Technology, South Africa, chaired the second session, enriching discussions with his global expertise. The Valedictory Session featured a Welcome Address by Mrs. M. Gandhimathi, Certificate Distribution, and participant feedback. Dr. R. Veeralakshmi delivered the Vote of Thanks, appreciating the contributions of all involved. The conference concluded successfully, fostering academic exchange, innovation, and emphasizing the importance of interdisciplinary collaboration in science and technology.

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Alumni Meet (1978 – 1981 Batch)

The alumni of the 1978-81 batch celebrated a memorable reunion on 30th June 2024 after 43 years. The event began with a welcome programme at Silver Stone Resort, where they fondly recalled college memories and reconnected with friends. Later, they visited G. Venkataswamy Naidu College, toured the campus, and revisited the laboratories, expressing joy at the advancements made. The day ended on an emotional and nostalgic note, with alumni conveying their gratitude and the College cherishing this proud moment of legacy and lasting bonds.



Lecture on “Botany Beyond the Classroom: Alumni Insights and Inspirations”



A special event was held on 19th July 2024 at G.V.N. College, Kovilpatti. The program featured an address by the Principal, Dr. M. Subbulakshmi, and felicitations by Dr. B. Makesh Kumar. The chief guests, including alumni Mr. Balasubramaniam, Mrs. Vanthi Lakshmi Narayanan, and Mr. P. Ram, shared their professional experiences and inspired students with insights beyond the classroom.

Lecture on “Palm Seedlings”

Mr. Sivanesh Kumar, Founder of Tango Greenage, Virudhunagar, delivered a lecture on 'Palm Seedlings' on 01.08.2024 in the Meeting Hall for our students. As a continuation of this programme, he initiated a '1000 Palm Seed Programme' and began by sowing seeds on our college campus.

Palm Seedling Plantation

On 11.08.2024, 150 palm seedlings were planted around the bank of Jamin Devarkulam Tank by the students of the Botany Department. This initiative aimed at enhancing the local ecosystem and promoting environmental conservation, showcasing the department's commitment to green initiatives and sustainable practices.



On 16.08.2024 & 24.08.2024, 750 palm seedlings were planted around the bank of Aalampatti Tank by the students of the Botany Department.

Lecture on “Bioenergetics”



A special lecture on "Bioenergetics" was delivered by Dr. Subburayalu, Head of the Department of Biochemistry at K.R. College of Arts & Science, Kovilpatti. The insightful session provided students with a deeper understanding of energy flow in biological systems and its significance in cellular processes.

Patent Registered

The patent on implementing women's safety through IOT has been registered in the name of Dr. P. Suganthi & Dr. B. Mahesh Kumar.

Edited Book Publication by staff

Name of the Staff	Title of the Book	ISBN Number	Publisher
Dr. R. Lakshmanan	Modern Trends in Multidisciplinary Research (Volume-5)	9789366658605.	AUTHORS CLICK.
	Modern Trends in Multidisciplinary Research (Volume-3)	9788119368143.	AUTHORS CLICK.
	Advancements in Life Science: Exploring Recent Trends.	9788197053740	EUPHORIA.
	Cell and Molecular Biology	9789366657929	AUTHORS CLICK.
Dr. T. Amutha Priya	In vitro antimicrobial activity of three commercial toothpastes	Contemporary Research across discipline	

Book Publication by staff

Name of the Staff	Title of the Book	ISBN Number	Publisher
Dr. R. Lakshmanan	Cell and Molecular Biology	9789366657929	AUTHORS CLICK.

Students participation in the Competitions

Date	Class	Name of the Programme	Name of the Dept./College	Prize won/Participation
27.12.2024	III yr Botany Students	Inter-Departmental Competition - CDF	G.V.N. College	First Prize
18.02.2025	UG & PG Botany Students	BLOSSOM – 25	ANJA College, Sivakasi	First and Second Price
03.03.2025	II Yr Botany Students	LIT Fest Chronicles' 25: Smokeless Cooking	S.R.N.M. College	First and Second Price

Management Sponsored Minor Research Project received by student

Name of the Students	Class	Title of the Project	Name of the Supervisor
M. Manova	II M.Sc., Botany	Reproductive Biology and Seed germination of <i>Heliotropium bacciferum</i> – A Rediscovery of South India	Dr. R. Lakshmanan
T. Abinaya R. Archana M. Kayathri M. Mayildevi M. Muthumari	III B.Sc., Botany	Reproductive Biology of <i>Sterculia foetida</i> L. is an Attractive and Umbrella Shaped Deciduous Tree	Dr. A. Kala

Guest Lecture Delivered

Name of the Staff	Name of the Programme	Name of the Institute	Date
Dr. B. Makesh Kumar	Popularization of Science	Don Bosco College, Keelaeral.	09.10.2024
	One Day workshop on CoE Process	Solaimalai Engineering College	20.01.2025
Dr. R. Lakshmanan	Conservation of Wetland	Sri Kaliswari College	04.02.2025

Staff Participation in the National /State Level Seminar / Conference.

Date	Name of the Staff	Title of the Seminar and Conference	Organizer with place
23.01.2023	Dr. R. Lakshmanan	National Conference on Bioprospecting Approach for a heavenly earth.	V.O.C.College, Thoothukudi.
16.09.2024	Dr. R. Sonia	Workshop on "Vermicompost & vermiwash Practice for Green Farming"	APC College, Thoothukudi.
19.12.2024	K. Marichamy and Dr. A.Kala India	One Day National Seminar - Current and Future Perspectives ofApplications	Sri Kalieswari College Sivakasi
21.02.2025	K. Marichamy	Modern Trends in Biological Research 2025	ANJA College, Sivakasi
26.02.25 & 27.02.25	Dr. R. Lakshmanan	Wetland Ecosystems - National Seminar on Emerging Environmental Issues.	Rani Anna Government College, Tirunelveli.

Women Empowerment Exhibition.

On 26.09.2024, a Women Empowerment Rangoli and Exhibition was conducted, showcasing the creativity and skills of participants. The event aimed to promote women's empowerment through artistic expression and provided a platform for women to display their talents and crafts.



A Skill Development Programme titled "Growing Health: The Power of Kitchen Gardens for Sustainable Living"

A Skill Development Programme titled "Growing Health: The Power of Kitchen Gardens for Sustainable Living" was held on 27.09.2024 at G. Venkataswamy Naidu College, Kovilpatti. The event began with a prayer, followed by the Tamil Thai Vazthu. Dr. B. Makesh Kumar, Head of the Department, inaugurated the session, emphasizing self-sufficiency through kitchen gardens. The Chief Guest, Thiru. A. Balaji from Mowthi Kitchen Garden, Sivakasi, delivered a motivating speech on the benefits of kitchen gardening for health and sustainability.



Special event on "Alumni Connect: Empowering Futures with Care and Support"

On 27.09.2024, a special event titled "Alumni Connect: Empowering Futures with Care and Support" was organized by the Botany Department at G.V.N. College, Kovilpatti, featuring the release of the Department Newsletter 2023-2024. The program included speeches from the Principal, Dr. M. Subbulakhmi, and several distinguished alumni, including Mr. I.S. Krishnasamy, Mr. S. Seetharaman, and others from the 1978-1981 batch.



Saraswathi and Ayutha Pooja Celebrations

Saraswathi and Ayutha Pooja celebrations were conducted on 10.10.2024. The event was marked by traditional rituals, honoring the goddess of knowledge and tools, and was attended by staff and students with great devotion and enthusiasm.



Botany Alumni Second Reunion (1978-1981 Batch)

A heartwarming alumni second reunion of students who pursued their Bachelor of Botany during 1978-1981 was held on 4th January 2025 at the college campus. The highlight of the event was the presence of retired professors who had taught the batch, invited as special guests. They released monthly calendar in this event.



Samudhuva Pongal Celebration



To foster unity, cultural awareness, and a spirit of togetherness among students, Samudhuva Pongal was joyfully celebrated on the college campus on 11th January 2025. The event brought together students, faculty, and staff in a vibrant celebration of Tamil tradition and harvest culture. A traditional Pongal pot was set up, and Pongal was cooked collectively, symbolizing harmony and shared prosperity.

Wetland Water Bird Counting

As part of the ongoing efforts to monitor and conserve wetland ecosystems and avifaunal diversity, a Wetland Water Bird Counting exercise was successfully conducted on 25th January 2025 in collaboration with the Ashoka Trust for Research in Ecology and the Environment, Agasthiamalai.



Special Lecture on Biodiversity



The Department of Botany hosted Dr. G. Manikandan, Research Scientist, Tshwane University of Technology, South Africa, on 05.02.2025 for a special lecture on "Unveiling the Biodiversity Secrets of Agasthyamalai Biosphere." He highlighted the region's rich flora, medicinal plant wealth, and its potential in pharmaceutical and biotechnological research. His talk emphasized conservation strategies and inspired young researchers to pursue interdisciplinary approaches to biodiversity and bio-prospecting.

Farewell Function

A farewell function for the final year UG and PG Botany students was held on 21st April 2025. The event was organized to bid a warm and memorable send-off to the outgoing students. Faculty members shared their best wishes, and students expressed their gratitude for the support and guidance received during their academic journey.



List of Rank Holders UG (2021-2024)



**Ms. G. Chitra
I Rank**



**Ms. B. Karpagavalli
II Rank**



**Ms. R. Gengalakshmi
III Rank**

PG (2022-2024)



**Ms. P. Bhagavathi
I Rank**



**Ms. S. Gayathri
II Rank**



**Ms. A. Annalakshmi
III Rank**



TNSCST Students Project Scheme Received Students

Ms. Divyamari A, II M.Sc., student received a student project from TNSCST entitled "Extraction of natural dyes from selected plant sources and its application in fabrics to eco-friendly perspective" under the guidance of Dr. T. Amutha Priya for the Academic Year 2023-2024.

Ms. Mathimathicka V, II M.Sc., student received a student project from TNSCST entitled "Studies on molecular diversity of hypnea musciformis (wulf.) lamouroux" under the guidance of Dr. C. Iniya Udhaya for the Academic Year 2023-2024.