

December 2024
Vol 5 (1)

CASSIA

the newsletter



Bulletin of Department of Post Graduate Studies and Research in Botany
SANATANA DHARMA COLLEGE, ALAPPUZHA





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*Cover image: *Ochlandra travancorica* inflorescence Photograph by Jose Mathew

PRINCIPAL'S MESSAGE

Best wishes to the crew behind the 'Cassia Newsletter' on its 5th edition. You are inventing unexplored waters, bringing glory and mighty to our institution.

Keep the spirit alive.

With pride

Prof. (Dr.) K.H. Prema

MESSAGES

HoD's MESSAGE

Cassia is blooming again, in times of change and hardships in the academic field, withstanding the extensive demands of manpower academically. This year is also very eventful in having obtained DBT support under Star college scheme, and is about to face the NAAC re accreditation. This is the fifth issue comprising the publications and other achievements contributed by the faculty and scholars of the Department. The consistency of the scholars and faculty in academic research is getting reflected here. The efforts of the faculty especially of Dr. Jose Mathew, in bringing this issue materialised is highly appreciated. The constant support and encouragement from the Principal and Management is acknowledged.

Looking forward to another event full and exciting year ahead.

Dr. V.N. Sanjai

EDITORIAL

We are transforming with adapting to the new era of learning and teaching methods. This year we have taken the step towards four-year Degree, DBT Star and DST -FIST schemes. NAAC visit is coming to grade us. Despite the hectic schedule, we have achieved the accomplishments. This issue comes to you with the vibes of the preceding year. The fact that this is Cassia's fifth issue, makes it even sweeter. Please accept it.

With respect.

Dr. Jose Mathew
Chief Editor

Inner Pages

- Milestones
- Programmes
- Publications
- News in newspaper
- Floristic Novelties
- Field studies

- Awards & Recognitions
- Extension activities
- Know a plant

MILESTONES

- Dr. V.N. Sanjai has takes the charge of Head, Department of Botany (14th HoD)
 - Department of Botany is revamping to DBT Star College and FIST (DST) Supported Department
 - Four Year Degree Programmes has started.



SANATANA DHARMA COLLEGE ALAPPUZHA

Accorded the Status of

DBT STAR COLLEGE

(Under the Strengthening component)

सत्यम् विजयते

Department of Biotechnology (DBT)

Ministry of Science & Technology)

Govt. of India

SANATANA DHARMA COLLEGE

is being recognised as

DST (FIST) supported College

സന്നാതന ധർമ്മ കോളേജ്

ആലപ്പുഴ

കാര്യപരിപാടി	
സ്ഥലം	വർഷം
ഒപ്പിൽ 10 ഏ	: മഹത്തെക്ക് സ്വന്തമാണ് ക്രാഡിലും
11 മൺകു	: താഴുവൻ ബിലും കൊട്ടിൻ് പരിചയം പൊതുക്ക ഖോദയത്തിലെ കുഞ്ഞ്
ഇട്ടുക്ക് : ഗ്	: ഇട്ടുക്കാടന സാമ്പത്തി
സ്വന്തമാണ്	: എപ്പറ്റി എം. ഒ.എഫ്. എൻ (പ്രിൻസിപാലി)
അമ്പുകളി	: ശ്രീ. പി. കുമാരകുമാർ
ഇട്ടുക്കാടനം	: (ബാംഗ്ല. ഭാഗ്യലി, എം.എം. കോട്ടേ)
തയി	: ശ്രീ. ശ്രീ. സൗധാകുമാർ (ബാംഗ്ല. ഇൻ ഇൻ)
	: എം. എം. കുമാരൻ (കോ - ഓർഡിനേറ്റുറ്റി, FYUGP)

TIMELINE
78 YEARS OF LEGACY

Year	Event	Courses Offered
2024	FYUGP Programme started	
2021	Platinum Jubilee Year	BSc. Botany 3 Year UG 4 Year UG (Honours) 4 Year UG (Research)
2001	Pre Degree Courses being discontinued	MSc. Botany Environmental Sciences (Sp.Paper)
1997	PhD Programme started	Ph.D in Botany Taxonomy Phytochemistry Ethnobotany Tissue Culture Microbiology
1996	Golden Jubilee Year	
1990	MPhil Programme started	
1967	Post Graduate Programme started	
1950	Moved to the present day college	
1947	Intermediate Course started	
1946	Started as First Grade College with degree programme in Botany at SDV School building	



A loving farewell to our beloved Dileep Sir [Prof. (Dr.) C. Dileep]

Programme Brochures

"Indigenous Technologies for Viksit Bharat"

NATIONAL SCIENCE DAY CELEBRATION 2024

28 FEBRUARY 2024

G.K. PARTHASARATHY IYENGAR MEMORIAL GOLDEN JUBILEE AUDITORIUM SANATANA DHARMA COLLEGE, ALAPPUZHA.

CHIEF GUEST: Dr. KBRIS VISARADA, Principal Scientist, ICAR-Indian Institute of Millet Research, Hyderabad

CHIEF GUEST: PROF. (Dr.) K.G. PADMA KUMAR, Director, International Research & Training Centre for Below Sea Level Farming, Kuttanad, Government of Kerala

DEPARTMENT OF POST GRADUATE STUDIES AND RESEARCH IN BOTANY
SANATANA DHARMA COLLEGE, ALAPPUZHA
NAAC Re-accredited with A+ grade



SEMINAR ON MODERN TRENDS IN PLANT SCIENCES

#Series 1
Diversity of Aromatic Plants

DBT STAR College Programme

15 Nov. 2024

10.30 AM

FIST Seminar Hall



Seminar Content

- Field collection
- Extraction Techniques
- Wet Lab Experiments
- Separation Techniques
- Characterization Techniques
- Interpretation of Spectroscopic data

Certificate will be provided to all the participants

For more information
Contact : 9747100808
seeranjinis80@gmail.com

Department of Post Graduate Studies and Research in Botany
SANATANA DHARMA COLLEGE
ALAPPUZHA - 3

Organizing Secretary
Dr. S. Seeranjinis

photography Exhibition

organized by
Dept. of Botany
associated with
DBT STAR
COLLEGE PROGRAMME

You are welcome

Photography Exhibition on
PLANT DIVERSITY
November 14, 2024
Sanatana Dharma College,
Alappuzha

Seminar Series #1
FAMILIES OF FLOWERING PLANTS

Dr. Anoop P. Balan
Asst. Professor
PG Dept. of Botany
BAM College,
Thuruthicaud

Organised by
Dept. of Post Graduate Studies &
Research in Botany
SANATANA DHARMA COLLEGE
ALAPPUZHA

26 Nov., 2024
FIST Conference Hall

For information
9744792847

DBT STAR
College Programme

Seminar & Workshop
on
Plant World

Dept. of Post Graduate Studies and
Research in Botany
SANATANA DHARMA COLLEGE, ALAPPUZHA

EXTENSION ACTIVITY
for
School Students

30th October 2024: 10 AM
Dept. of Botany

DBT STAR
College Programme

INVASIVE ALIEN SPECIES :
A THREAT TO NATURAL ECOSYSTEMS

Awareness Programme
Field Study
Lab Visit

In Association with
Samagra Shiksha Kerala

'Travel Down Memory Lane' – Felicitation by students

Reply speech : Prof.(Dr.) C. Dileep,
H.O.D Dept. of Botany

Vote of Thanks : Dr. Jose Mathew
Asst. Prof. Dept. of Botany

Session 3: Poster exhibition of Research outputs by
Dept. of Botany
Venue: Corridor, Dept. of Post graduate studies and
Research in Botany

Inauguration : Prof. (Dr.) C. Dileep
H.O.D Dept. of Botany

Session 4: Felicitation ceremony by Retired teachers

Welcome : Dr. V.N Sanjal
Asso. Prof. Dept. of Botany

Felicitation by retired teachers

Vote of Thanks : Dr. Jose Mathew
Asst. Prof. Dept. of Botany

MYCOBIANT
Farewell Programme to Prof.(Dr.) C. Dileep

Dept. of Post Graduate Studies and Research in Botany
SANATANA DHARMA COLLEGE, ALAPPUZHA

Venue : SVC Hall, PG & Research Department of Commerce

#Series 1
Diversity of Aromatic Plants:
Phytochemical
Techniques for
Sustainable
Utilization

Dr. K.B. Rameshkumar
Principal Scientist
KSCSTE - JNTBGR, Thiruvananthapuram



Programmes : A: World Environment Day 2024 Celebration, Invited talk of Dr. Rajesh Kumar S. B & C: Training class for school students on Invasive Plant Species. D: Annual progress report presentation of PhD Scholars. E: Best submission (MDC Class). F: Dr. Binoj Kumar donates his book collection to the department. G: PTA Meeting.



Programmes : A: Photography Exhibition on Plant Biodiversity B & C: Seminar on Plant World D: Seminar and workshop on Modern Trends in Plant Science E: Green Audit data verification F: Mycobiont. G: Welcome programme of BSc students.



Extensive floristic studies has resulted in the discovery of several new plant species and new distributional records

(special focus on last 5 years: NAAC criterion)

22 New Plant Species



Piper ovalifructum

Piper kurichyamalanum

Peperomia emarginatifolia

Pepe...



Ixora lavanya

Canthium vembanadensis

Tarenna charlesii

Coleus antho...



Chiloschista confusa

Selandia manikathila

Liparis tortilis

Oberonia saintberchmansii

Orchidaceae	: 6 new species + 2 records
Piperaceae	: 4 new species
Melastomataceae	: 3 new species
Rubiaceae	: 3 new species + 1 record

Araceae	: 2 new spe...
Orobanchaceae	: 1 new spe...
Lamiaceae	: 1 new spe...
Gesneriaceae	: 1 new spe...

NOVELTIES

Scientific
Contribution
Series 1

6 Records to Kerala



Christisonia flavidubens



Peristylus parishii



Liparis tschangii



yi



eromia vellarimalica



Henckelia viridiflora



Veronica persica



Arisaema madhuwanum



onyi



Arisaema peerumedense



Lagenandra kunkichirimuseumensis



Asystasia variabilis



Heterostemma dalzellii



Rhynchostylis cymifera



Cleisocentron neglectum



Phyllanthus sanatanadharmae

3 New Records to
Alappuzha



Andrographis macrobotrys



Hoya wightii



Canthium angustifolium

pecies + 1 record

pecies

pecies

pecies

Euphorbiaceae : 1 new species

Apocynaceae : 2 records

Acanthaceae : 2 records

Plantaginaceae : 1 record

Exploring the Saline Pookkali Rice Field for a Multi-Treated Biostimulant to Alleviate Salt Stress in Rice

T. S. Reshma^{1,2} · C. Dilip^{1,2}

Received: 11 October 2023 / Accepted: 4 November 2024
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Abstract

Climate change due to global warming has augmented salinity intrusion and soil salinization, harming crop yields. The identification and utilization of salt-tolerant native microflora with potential plant-growth-promoting traits seems to be an effective alternative for salt-adapted smart agriculture. The innovative aspect of this study is the exploration of potential microflora associated with native salt-tolerant crops for salinity management, which could offer a sustainable and cost-effective solution. The present study was conducted in saline Pookkali rice field from Alappuzha district, Kerala, South India which holds a high geographical significance. Soil samples were collected in monthly intervals for a period of one year from January 2019 to January 2020 for isolation and characterization of potential salt-tolerant plant-growth-promoting rhizobacteria (ST-PGPB) and soil analysis. Soil samples from Pookkali rice fields exhibited dynamic variations in salinity and pH, ranging annually from 1.8‰ to 5.8‰ and pH 4 to 5.9. We isolated a total of 50 rhizobacterial strains which were screened for their salt tolerance and salt stress tolerance and identified them as a pure ST-PGPB strain, PK7 in *Pseudomonas aeruginosa* and was submitted to Genbank with accession No. MT218377. The efficacy of selected strain on rice was analyzed in-vitro controlled conditions using salt-sensitive and salt-tolerant varieties under salt stress. Morphological parameters and vigour index were compared and increased germination percentage as well as vigour index with statistical significance (**P < 0.01) were observed. Further investigations conducted on chlorophyll and protein content in rice seedlings after induced salt stress revealed that the isolated ST-PGPB strain PK7 had increased the chlorophyll and protein content, indicating salt stress resistance. The isolated strain PK7 from saline Pookkali rice fields was found to be a promising microbe as an effective bioinoculant for sustainable crop improvement under salinity.

Bindu.P.K / Afr.J.Bio.Sc. 6(4) (2024)

ISSN: 2663-2187

<https://doi.org/10.48047/AJBS.6.4.2024.1019-1045>



Phytochemical composition and DNA barcoding of *Bauhinia scandens* leaf extract and its in vitro assessment of antioxidant and anti-inflammatory potential

Bindu. P. K^{1*}, Kavya. C. B²

Department of Post Graduate Studies and Research in Botany

Sanatana Dharma College, Alappuzha

PLANT SCIENCE TODAY
ISSN 2348-1590 (online)
Vol 1(14): 809-811
<https://doi.org/10.14713/pst.4584>

HORIZON
e-Publishing Group HPG

REVIEW ARTICLE

A conspectus of the genus *Pigea* (Violaceae) in India

Parapparakkal Thatha Arunraj^{1*}, Divya V. Rale² & Viswanathamandiram Natarajakalai Sarangi³

¹Department of Post Graduate Studies and Research in Botany, Sanatana Dharma College, Sanathnagaram P.O., Alappuzha, Kerala-688003, India
²Research Centre, University of Kerala, Thiruvananthapuram, Kerala, India

³Department of Plant Sciences, Central University of Himachal Pradesh, Shalpur Campus, Shalpur, Kangra, Himachal Pradesh-173205, India

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OPEN ACCESS

Abstract

An updated conspectus of the genus *Pigea* in India is provided based on live and herbarium specimens. We recognize three species, namely *P. emarginata*, *P. indica* and *P. trivononica* and exclude three species from the National Flora, namely *P. vittatovirens* (= *Hibonthus vittatovirens*), *P. stellarisoides* (= *H. stellarisoides*) and *P. puberula* (= *H. puberulus*). Detailed notes are provided.

Keywords

Malpighiales; *Pigea*; Pombalia; Taxonomy

Introduction

The genus *Hydrobatus* Jacq. was published in 1760 (1), to which Saint-Hilaire (2) and Müller (3) merged *londinum* Vent. It is the third largest genus of the family Violaceae, comprises ca. 125 species (4). Thereafter, many accepted refinements were proposed, resulting in the disintegration of this large genus and the establishment of a few new genera, as well as the

segregation of some in tribe *Bauhinieae* (5) and *Wendlandieae* (6).

REPORT / OPEN ACCESS

Species

Sonerila anchurulica

(Melastomataceae): A new species from South Western Ghats, India

Jose Mathew^{1,2}, Fican M Salim³

ABSTRACT

A new species of *Sonerila* (Melastomataceae: Tribe Sonerialeae) is described from the Tigris-Everglades region of the South Western Ghats in southern India. The new species is morphologically similar to the allied taxa, colour photographs and its conservation status are provided.

Keywords: Endangered, Endemic, New species, Sonerialeae, South Western Ghats

1. INTRODUCTION

The genus *Sonerila* Rids., a largest genus in the family Melastomataceae (Tribe Sonerialeae) is mainly distributed in Sri Lanka and southern India in the Indo-Pacific regions (Culmone, 1995; Resham et al., 2016). This genus can easily recognized by its erect creeping rhizome, low epiphytic habit or semi-epiphytic habit and numerous tuberous roots. The genus currently consists of 25 species. In the recent treatments, the genus represented by 30 species and of which 18 species in India and Western Ghats has the highest species diversity with about 24 species (Mathew et al., 2020; Flora of 2024, 2024).

Botanical exploration of the forests of Kerala as part of a climate change investigation, 2023–2022, has yielded some interesting species of the genus *Sonerila*. The analysis of the literature as well as herbarium specimens revealed that some of the collected specimens do not match any of the previously described species. These specimens are sufficiently distinct to warrant taxonomic recognition as new species and are here described and illustrated here.

Journal of Plant Growth Regulation
<https://doi.org/10.1007/s0044-024-1198-6>

Multidimensional Analysis of Rice Plant-Microbe Interactions Under Saline Stress

T.S. Reshma^{1,2}, C. Dilip^{1,2}

Received: 16 March 2024 / Accepted: 21 November 2024
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Abstract

Plant-microbe interactions are dynamic and complex processes. The positive influence of rhizobacterial strains enables crops to alleviate stress and enhance growth. This study directly investigates the effect of the rhizobacterial strain PK7 (*Pseudomonas taitungensis*-Accession No. MT218377) on growth promotion and stress tolerance in salt-tolerant and susceptible varieties of rice seedlings. Seed priming with PK7 increased the germination rate (20%) for salt-susceptible rice variety UMA and for 125% increment for salt-tolerant rice variety YTL 1 at 150 mM salt stress. Additionally, PK7 treatment modified root morphology, resulting to increased root length, number of roots, and root hairs. Anatomical changes were also observed in plants treated with PK7. The activity of antioxidant enzymes, including catalase, ascorbate peroxidase, guaiacol peroxidase, and superoxide dismutase was increased by 7.5, 3.4, 46.5 and 4.7 times respectively in PK7 inoculated seedlings. Root metabolism profiling of the salt-susceptible rice variety UMA was performed using high-resolution liquid chromatography-mass spectrometry (HRLCMS). This analysis revealed distinct patterns of metabolic regulation in rice roots under both salt stress and normal conditions. The most prominent compound identified was choline, a crucial precursor to glycine betaine (GB) and phospholipids. Choline plays a pivotal role in enhancing a plant's tolerance to salt stress. Additionally, significant compounds like proline and sphinganine were also detected. Furthermore, the study ascertained the accumulation of sugar, particularly 27% of galactose in seedlings treated with PK7 under stress condition. These findings

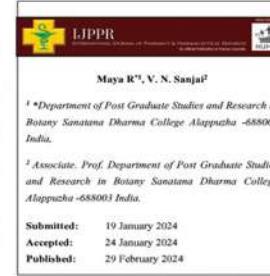
Publications[#]

#8 Research Articles and 4 Popular Articles were published by the faculty members of the department



Human Journals
Research Article
February 2024 Vol.-30, Issue-2
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Ethnobotanical and Medicinal Practices of *Hoya wightii* Hook.F. Used by Ulladan Tribes in Alappuzha District, Kerala



LIPPR
INTERNATIONAL JOURNAL OF PHARMACY & PHARMACEUTICAL RESEARCH
An official Publication of Human Journals
ISSN 2348-7310
Maya R*, V. N. Sanjay¹
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²Associate Prof. Department of Post Graduate Studies and Research in Botany, Sanatana Dharma College, Alappuzha - 688003, India.
Submitted: 19 January 2024
Accepted: 24 January 2024
Published: 29 February 2024

Keywords: *Hoya wightii*, ulladan tribes, sacred groves, endemism etc.

ABSTRACT

The ancient people had a thorough knowledge of herbs and climbers useful to their day to day life. *Hoya wightii* Hook.F. is a medicinal plant commonly seen the evergreen forests used by ulladan tribes for the fast relief of muscular injuries. Moreover the plant has its own importance because its vulnerability and endemism. Alappuzha is the smallest district in Kerala without any reserve forest and mountain range. Ulladan tribes directly collect the plant from sacred groves and prepare *Elladu* lehy, kanji and other medicinal porridge at their own home.



Fundación Miguel Lillo
Tucumán – Argentina

doi: <https://doi.org/10.30550/j.li/1998>

Authors:
SALIM, Pichan M.
MOHANAN, Narayanan N.
SHAKEELA, Valiyamannathal
NADAKUMAR, Pushpalayam M.
MATHEW, Jose

The present study provides the new distributional record of *Heterostemma dalzellii* from the Wayanad district of the Kerala part of the south Western Ghats.

Heterostemma dalzellii
(Apocynaceae, Asclepiadoideae),
a new distributional record from
south Western Ghats, India



RESEARCH ARTICLE

Proximate Composition, Mineral analysis and Phytochemical Characterization of an Ethnomedicinal Plant *Sphenodon involucrata* var. *paniculata* (C.B. Clarke) Munir

Altha S. and Sreenarayana S.
DOI: 10.18811/pn.v1003.1111

ABSTRACT

Since ancient times, people have utilized plants for their therapeutic benefits. These ethnomedicinal plants acquire therapeutic qualities from some key phytochemicals or secondary metabolites that they contain. *Sphenodon involucrata* var. *paniculata* (C.B. Clarke) Munir is an ethnomedicinal plant that contains several bioactive components. The study focuses on the proximate composition, mineral analysis and phytochemical characterization of *S. involucrata* var. *paniculata* leaves using ICP-MS and GC-MS analysis. The proximate evaluation of the leaves showed high ash content (10.00%), protein (10.00%), fiber (10.00%), and water (80.00%). The GC-MS analysis of seed oil revealed a higher content of calcium (29.91%), iron (1.13%) and a non-detectable amount of chlorine (0.00%). The LC-MS analysis of seeds revealed the presence of several important compounds like phytol, hexadecanoic acid, 2-hydroxy-1-octene-3-ol, Caphoranthene and isocaphoranthene were found to be prevalent in the LC-MS analysis. Compounds such as sennoside, genistin, gallic acid and obetin were also detected. Detection of diverse minerals in the plant may be due to the presence of various minerals in the soil. The presence of minerals in the plant may be due to the plant's abundance of vital nutrients and minerals makes it safer and healthier to consume. Additionally, it supports the claim that the plant's abundance of vital nutrients and minerals makes it safer and healthier to consume.

Keywords: Caphoranthene, Ethnomedicinal, Isocaphoranthene, Minerals, Proximate.

Highlights:

First-ever analysis of proximate and mineral composition of the plant.

Presence of higher amount of carbohydrates, proteins, calcium and magnesium.

First reporting of secondary metabolites like sennoside, caphoranthene and isocaphoranthene from this plant.

Caphoranthene and isocaphoranthene account for the anti-inflammatory properties of the plant.

International Journal of Plant and Environment (2024)

ISSN: 2414-1117 (Print), 2415-2021 (Online)

Department of Post Graduate Studies and Research in Botany, Sanatana Dharma College, Alappuzha, Kerala, India, Email: sreenarayana@sdca.edu.in

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How to cite this article: Altha S. and Sreenarayana S. (2024). Proximate Composition, Mineral analysis and Phytochemical Characterization of an Ethnomedicinal Plant *Sphenodon involucrata* var. *paniculata* (C.B. Clarke) Munir. International Journal of Plant and Environment, 10(3), 117-123.

Submitted: 10/12/2023 Accepted: 14/12/2024 Published: 01/12/2024

Disorders of the central nervous system are also treated with it (Watson, 2006). The plant is consumed for abdominal ailments, ear diseases, burns, and worms and the herb also functions



Field Studies : Munnar, Vagamon, Kodaikanal, Parunthumpara, Palozhukumpara, Kambam



Institute Visits : TBGRI, Palode; UPASI Tea Research Station, Vandiperiyar; CPCRI, Kayamkulam; Vagamon Orchidarium, Vagamon; Coir Research Institute, Alappuzha; Atree, Alappuzha Connemara Tea Factory, Kumily

Young Women Scientist (PGPR Association)



NET Examinations



SARANYA J.
CSIR -NET; ICAR-NET



PARVATHY G.
ICAR -NET



SANDRA CHANDRAN
ICAR -NET

Sports Achievements



Adithyan A. (BSc.)
Taekwondo & Rugby
Kerala University



Sethulakshmi S (BSc.)
Taekwondo
Kerala University



San Sebastian (BSc.)
Football
Kerala University



Durga Dath P.V. (MSc.)
Weight Lifting
Kerala University



PG & RESEARCH DEPARTMENT OF ENGLISH, S.D. COLLEGE

FYUGP INDUCTION SERIES
Interdisciplinary Orientation - 2

Environments: The Source of Learning...and Life!

DR. JOSE MATHEW
Assistant Professor, The Department of Postgraduate Studies & Research in Botany

Ms. SARITHA M.
Assistant Professor in English

STUDENT CO-ORDINATORS:
Ms. SHANMUKA D. PRASAD
Ms. GANGA LAKSHMI S. KAMMATH

DR. DEVIL S (HOUDI)
P.G. RESEARCH DEPT. OF ENGLISH

10 - 11 am, 1/08/24
AUDIO VISUAL HALL

PG & RESEARCH DEPARTMENT OF COMMERCIAL
Santana Dharma College, Alappuzha

Celebrating World Environment Day

Featured Talk
On
Environment: Challenges & Prospects

Venue: S.U.C.
Time: 3:00 p.m.

Dr. Jose Mathew
Assistant Professor of Botany
Santana Dharma, College



ST. JOSEPH'S COLLEGE FOR WOMEN, ALAPPUZHA

Seminar on Invasive Plant Species and Control

Organizing unit
Department of Botany
Funded by
Kerala State Biodiversity Board, Govt. of Kerala

RESOURCE PERSONS

DR. T. V. SAJEEV
Chair, Seminar
Department of Botany
Kerala State Biodiversity Board, Govt. of Kerala

DR. JOSE MATHEW
Assistant Professor
Department of Botany
S. C. College, Alappuzha

ORGANIZING COMMITTEE
DR. DIANA K.
DR. ANUJA NAIR
DR. PINKIE CHERIAN
MS. ELIZABETH THOMAS

DATE: 30/01/2024
TIME: 11:00 AM
VENUE: AUDIOVISUAL ROOM

PROGRAMME SCHEDULE
Day 1 Wednesday 14th February 2024

Inaugural session :
10 am - 11 am
Ms. Rajalakshmi R

Welcome Address :
Dr. Sheela S
(Associate Professor & HoD
Department of Zoology
Sri Ashoka Panicker
(FRC Convenor)

Presidential Address :
Dr. P.P. Sharma
(FRC Convenor)

Inauguration & keynote address :
Dr. K.G. Padmakumar
(Director
International Research and
Teaching Centre for Future
Sci & Tech, Sri Ashoka Panicker
(FRC Convenor)

Felicitation :
Dr. Jeannine Aravind
(Assistant Professor, Dept. of Zoology)

Vote of Thanks :
Dr. G. Suganya Prabhu
(Head, PG Department of Zoology
& Research Centre &
Principal Investigator
Centre for Marine Resources
& Coastal Research)

Tea Break :
11:15 am - 11:30 am

Technical Session I :
11:30 am - 12:30 pm
Dr. Jose Mathew
(Guest Speaker - PG Dept. of Botany
& Research Centre &
Principal Investigator
Centre for Marine Resources
& Coastal Research)

**Topic : Need to Watch
Invasive Aquatic Weeds**

Lunch break :
12:30 pm - 1:30 pm

Technical Session II :
1:30 pm - 2 pm
Dr. Jose Mathew
(Guest Speaker - PG Dept. of Botany
& Research Centre &
Principal Investigator
Centre for Marine Resources
& Coastal Research)

Field Study - Hands on training (Identification of invasive species)
Master of Ceremony : Ms. Neelima R (HOD Zoology)
Ms. Kalpani Ramesh (HOD Zoology)

REGISTRATION LINK
WEBSITE MAP

PHOTO EDUFEST 2024
Golden Jubilee Memorial Inter-collegiate Educational Programme on Plant Science
February 13, 2024

DEPARTMENT OF BOTANY
ASSUMPTION COLLEGE
CHANGANASSERY, KERALA 686101 | AUTONOMOUS
Affiliated to SMC with an Overall CGPA of 3.80 Merit-Certified

Changanassery, Kerala, India
FG3R+33G, Changanassery, Kerala 686101, India
Lat 9.452467° Long 76.540353°
13/02/24 10:18 PM GMT +05:30

GPS Map Camera



Extension activities : Dr. Sreeranjini S. has given orientation for Higher Secondary students on studies after Plus Two. Athira & Akhil (Research Scholars of the centre involved and mentored in Tissue Culture Workshop at St. Joseph's College, Alappuzha. Dr. Jose Mathew has delivered lectures at various colleges and departments of the SD College.



Club activities : Volunteers of Ecoclub, Bhoomitrasena and Biodiversity clubs were involved in various activities like environmental studies at Periyar Tiger Reserve, Chathurangappa, Forest walk in Thekkadi etc. They also involved in Wetland mitra programmes, surveys on Vembanad lake and Graf programmes in associated with SWAK, Govt. of Kerala.

Know a Plant



Dendrobium anilii P.M.Salim, J.Mathew & Szlach.

Family : Orchidaceae

Distribution : Endemic to south Western Ghats

Note: The specific epithet is named in honour of Dr. N. Anil Kumar
(Chairman of Kerala State Biodiversity Board)



BSc. 2021-2024



MSc. 2022-2024

