



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

S306

Report

Academic Year 2020-2021

Name of the Event: National Seminar on Biodiversity Conservation and Ecosystem Restoration

Date: 10th Dec.2021

Time: 9.30am to 4.00pm

**Organized by: Biodiversity Club (KSBB/BDC/08096/20), Department of Botany
Vimala College (Autonomous) Thrissur**

Collaboration (if any):

**Kerala State Biodiversity Board (KSBB), Trivandrum & Centre for Innovation
in Science and Social Action (CISSA), Trivandrum**

No. of participants: 47

Inaugural Session Google Meet : <https://meet.google.com/cxm-ogbz-hip>

**Paper presentation Competition Google Meet link for category 1:
<https://meet.google.com/yvq-pwos-mop>**

Time: 11.00am

**Paper presentation Competition Google Meet link for category 2:
<https://meet.google.com/dci-qwtv-gqb>**

Time: 11.00am

**Paper presentation Competition Google Meet link for category 3:
<https://meet.google.com/dif-yuxk-opz>**

Time: 2.30pm

A National seminar on Biodiversity Conservation and Ecosystem Restoration cum with Oral Paper Presentation Competition was organized by Biodiversity Club (KSBB/BDC/08096/20), Department of Botany, Vimala College (Autonomous) Thrissur on 10th December 2021 in collaboration with Kerala State Biodiversity Board (KSBB), Trivandrum & Centre for Innovation in Science and Social Action (CISSA), Trivandrum. The programme was started at 9.30 am with prayer and Dr.Silvy Mathew, Coordinator welcomed the gathering, and Dr. Sheeja Tharakan, HoD,

Dept. of Botany presided over the national seminar inaugural session. The Keynote address was delivered on Biodiversity & Ecosystem restoration by Dr. C. George Thomas (Chairman,

Assessment Period (2016 - 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Kerala State Biodiversity Board, Thiruvananthapuram). At 11.00 am the technical Session started and Dr. K. Murugan(Director, CISSA, Thiruvananthapuram) handled the session on Ecological restoration for the future & its challenges.

At 11.00 am also started parallel oral paper presentation competition for category 1: UG and PG students and also for category 2: Research Scholars. At 2.30 pm conducted the oral paper presentation competition for category 3: Faculty. Session one is chaired by Dr.Sheeja T Tharakan and Dr.Karthika S Menon. Session 2 chaired by Dr.Silvy Mathew and Dr.Jisha K. Session 3 for faculty was chaired by Smitha P S and Dr.Jayalakshmi. A total of 47 participants from different states of India participated. The National Seminar was coordinated by Dr.Silvy Mathew(Assistant Professor, Dept. of Botany) and Dr.Jayalakshmi (Assistant Professor on contract, Dept. of Botany).

The national seminar ended at 4.00 pm and Ms. Smitha P S (Assistant Professor, Dept. of Botany) delivered the vote of thanks to all.

Brochure

Vimala College (Autonomous), Thrissur
(Affiliated to the University of Calicut, NAAC Re accredited 3rd cycle : A Grade CGPA 3.5)

**National Seminar
on
Biodiversity Conservation and Ecosystem restoration**

Expected Participants
Category I : UG & PG students
Category II : Research Scholars
Category III: Faculty

Platform: Google Meet
Date: 10/12/2021
Time: 9.30 - 4pm

Organized by
Biodiversity Club
(KSBB/BDC/08096/20),
Department of Botany

in collaboration with
Kerala Biodiversity Board
&
**Centre for Innovation in
Science and Social Action**
(CISSA), Trivandrum

**Register your participation by clicking on the following
link on or before 2nd Dec.2021.**
<https://forms.gle/mzoLUhXQZMioG24c8>

Awards
Cash Prizes will be given for the best presentations from each category and
all the participants will receive E- certificate and E-copies of the proceedings

All are cordially Welcome!



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

<p>Patron: Dr. Sr. Beena Jose, Principal</p> <p>Convener: Dr. Sheeja T Tharakan, HOD, Dept. of Botany</p> <p>Coordinators Dr. Silvy Mathew, Asst. Prof., Dept. of Botany (9496409300)</p> <p>Dr. Jayalakshmi M, Asst. Prof. on contract, Dept. of Botany (77363 89707)</p> <p>Organizing Committee: Ms. Smitha P S, Asst. Prof., Dept. of Botany Dr. Manju Madhavan, Asst. Prof., Dept. of Botany Dr. Karthika S Menon, Asst. Prof. on contract, Dept. of Botany Dr. Jisha K, Asst. Prof. on contract, Dept. of Botany</p> <p>Student Coordinators Agnus Rose Sneha Shaji</p>	<p>Programme Schedule</p> <p>9.30 - Prayer Welcome</p> <p>10.00 am - Keynote address: <i>Biodiversity & Ecosystem restoration</i> Dr. C. George Thomas, Chairman, Kerala State Biodiversity Board, Thiruvananthapuram</p> <p>11.00-12.00pm - Technical Session: <i>Ecological restoration for future & it's challenges</i> Dr. K. Murugan, Director, CISSA, Thiruvananthapuram</p> <p>12.00-1.00pm - Lunch Break 1.00 - 3.30pm - Oral Paper presentation</p> <p>Registration fee: Faculty : Rs. 750/- Research Scholars, MPhil, PG, UG students : Rs. 500/-</p> <p>Last Date of Registration & Submission of Abstract : 2nd Dec. 2021 Last Date of Full Paper Submission : 5th Dec. 2021</p> <p>Thrust areas: Biodiversity Conservation, Floristics, Sustainable Development, Phytochemistry, Pharmacognosy, Biochemistry, Microbiology, and other related areas.</p>	<p>Instructions</p> <ul style="list-style-type: none"> The abstract should be based on the theme and not exceed the word limit. Full Paper should include title, author, and affiliation with 1500 words. The presentation must be clear with minimum slides and well explained. The decision of the jury will be final. Duration of presentation: 10 minutes (7 min. presentation and 3 min. discussion) <p>Payment Details Name of Bank: PRINCIPAL VIMALA COLLEGE Branch: Peringavu A/C No. 34394265636 IFSC Code: SBIN0018115</p> <p>Full Paper Submission: botany@vimalacollege.edu.in</p>
--	---	--

List of papers presented:

Category-1-

Sl.No	Title of paper	Author name
1.	Study on Frontier Flora of Pallassana Panchayath, Palakkad, Kerala	Adithya P.J.
2.	A Review on Association Between Sponges and Corals in Maintaining Coastal Ecosystem Health	Aditi K P
3.	Analysis of Growth Parameters of Microgreens- A Potential Alternative to Conventional Food Resources.	Akhila S
4.	Study of Antidiabetic Compounds in Few Common Plants	Aleena Rose K P
5.	A Preliminary Investigation on the Moss Flora of Karnataka Forest - Virajpet Division	Alna Thomas
6.	Floristic and Ecological Analysis of Selected Areas of Poomala Dam in Thrissur District, Kerala State	Athira KD
7.	The Effect of Botanicals, Entomopathogenic Nematode and Green Labeled Insecticide against an Invasive Pest, Fall Armyworm, Spodoptera Frugiperda (J. E. Smith, 1797) on Maize, <i>Zea Mays</i> L. (Poaceae).	Diya Joseph

Assessment Period (2016 - 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

8.	Phytoremediation Potential of Some Hydrophytic Medicinal Plants.	Dr.Anna.M.K
9.	Chemotaxonomic Markers for Identification of Medicinal Plants - A Review	Dr.Archana.C.V.
10.	Phytochemicals in Medicinal Plants and Application in Ayurveda Treatment - A Review	Dr.Sreya C K
11.	Phytoremediation Potential of Medicinal Plants-A Review	Dr.Vidya.R.Nair
12.	Effect of Selected Host Plants on Parameters, Damage Potential and Organic Recycling Ability of Spotted Locust, <i>Aularches Miliaris</i> , Linnaeus1758	Janvi Thomas
13.	<i>In-Vitro</i> Anti- Inflammatory Activity of Aqueous And Ethanolic Extract of <i>Oroxylum indicum</i> by HRBC Membrane Stabilization	Nair Meenakshi Vijayan
14.	Conservation of Indigenous Cattle Breeds	Shaikh Sameer Rajjak
15.	A Study on the Angiosperm Diversity of Muthuthala Grama Panchayat, Palakkad, Kerala	Smruthi K S
16.	Floristic Diversity of Angiosperms in Puthupariyaram Panchayath of Palakkad District Kerala	Valentine Manoj
17.	Effect of <i>Pimenta dioica</i> Leaf Extract Upon Down Regulating Biofilm Formation of <i>Pseudomonas aeruginosa</i>	Vidhya P M

Category 2:

Sl.No	Title of paper	Author Name
1	Histochemical localization of secondary metabolites in <i>Acrotrema arnottianum</i> .	Akhil Ashokan
2	Bibliometric analysis of terrestrial gastropod diversity in Kerala	Aleena Elizabeth Cyril
3	An overview on the ecological significance of Sedges	Anakha B.S
4	Germination pattern of Brassica seeds in response to the cyanobacterium <i>Nostoc muscorum</i>	Archana Pachath
5	Urban Agricultural Patches: Potent Microhabitats for the Dung Beetles (Coleoptera: Scarabaeidae: Scarabaeinae) of Residential Areas	Chitra Rajagopal
6	A Study on variation in growth performance of <i>Syzygium gardneri</i> .Thw seeds stored at different conditions	Chithra S G
7	FTIR Spectroscopic Analysis of Functional Compounds in the Vegetative parts of <i>Anisochilus scaber</i> Benth.	Farsana Salah S
8	Ecological Study of algae in Canal Waters of Alappuzha	Jayasree S
9	A study of the species <i>Axonopus compressus</i> (Sw.) (Poaceae, panicoideae, paniceae) in Kerala	Mithraja M J
10	Response of the cyanobacterium Nostoc to Lead heavy metal stress	Neenu V P
11	Ethnobotanical survey and statistical analysis of medicinal plants in Korampallam village, Thoothukudi district, Tamil Nadu, India	Pauline Jenifer. S

Assessment Period (2016 - 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

12	Histochemical localization of secondary metabolites in <i>Cynometra beddomei</i> Prain - A critically endangered legume tree	Pooja S.
13	Role of lens and dormancy breaking treatment in <i>Morinda citrifolia</i> L. seeds	Preethi Jenifer Praticia.S
14	Gynostemium Morphology of <i>Thottea ponmudiana</i> Sivar., an Endemic Species of the Western Ghats, India	Sayoojia K S
15	Shoot regeneration through in vitro culture of <i>Piper ribesioides</i> Wall. (Piperaceae) - a lesser known Piper species from the Andaman Islands	Shaina Jerald
16	Bioprospecting of the powerful medicinal plant <i>Canthium coromandelicum</i> (Burm.f.)Alston (Rubiaceae).	Soja S
17	Climate and biodiversity are closely related to each other and with the future of humans	Venkataramanaiah Poli
18	FT-IR, GC-MS and antibacterial activity of <i>Corchorus aestuans</i> L. (Tiliaceae)	Vimala. C
19	The genus <i>Impatiens</i> L. (Balsaminaceae) in Idukki district.	Vishnu Mohan

Category-3

Sl.No	Title of paper	Author name
1	Bioactive molecules from methanolic extract of <i>E. scaber</i> with inhibitory effect on Pro-inflammatory cytokines	Anu P A
2	Environment and Society- A special reference to Eco-Marxism	Binu. K
3	Potential inhibition of angiogenesis by nano-encapsulated volatile oil in zebrafish larvae model – A component of the leaves of <i>Myristica frgrans</i> .Houtt (Fam: Myristicaceae)	Dr . M. Geethanjali
4	Diversity of macro algae communities and their influence by physico-chemical parameters in the coasts of Hare Island, India	Dr. Mary Santhi. R
5	Phylogenetic analysis in Salacia using ITS 2 marker: an endangered medicinal plants	Dr Muhammad Anaz K
6	Extraction of natural dyes from selected leaves for studying their staining efficiency	Dr Sr Sindhu K K
7	Freshwater, biodiversity conservation and ecosystem restoration -The dawn of new era	Laxmi Rani Das
8	A preliminary survey of Anurans with special emphasis on tadpoles of, Ranni Forest Range.	Priya Thomas
9	Ethnobotanical survey of some medicinal plants used by the tribes of Punchakolli settlement of Nilambur forest	Sinitha K
10	Microbial Communities-A study and identification of microorganism from domestic kitchen scrubber	Tisha Liza Tomy



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

List of Judges

Category 1 - UG & PG students

1. Dr. TESSY PAUL P.

Associate Professor & HOD, Department of Botany,

Christ College (Autonomous), Irinjalakuda, Thrissur

Research Guide,

University of Calicut

2. Dr. Senthilkumar Umapathy

Assistant Professor

Department of Botany

Madras Christian College (Autonomous)

East Tambaram, Chennai- 600 059, Tamil Nadu, INDIA

Alternate Mail: sensonsam85@gmail.com

Category 2 - Research Scholars

1. Dr. Siril EA

Associate Professor

Department of Botany

University of Kerala

Trivandrum

2. Dr. M. Immanuel Sagayaraj,

Assistant Professor, Department of Botany,

Bishop Heber College (Autonomous)

Trichy. 620017.

Email: immanuel@bhc.edu.in.

Contact : 8760504734

Category 3 - Faculty

1. Dr. Parimelazhagan Thangaraj,

Professor,

Assessment Period (2016 – 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Department of Botany, Bharathiyar University, Bharathiyar University, Coimbatore

2. Dr. Suboj Babykutty,

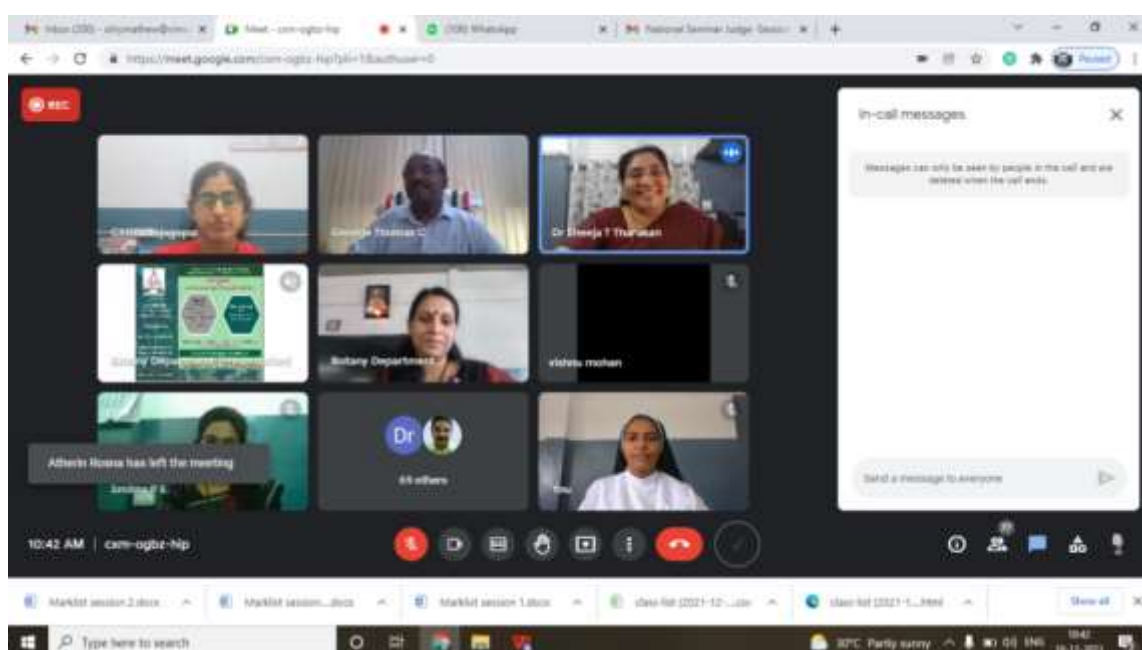
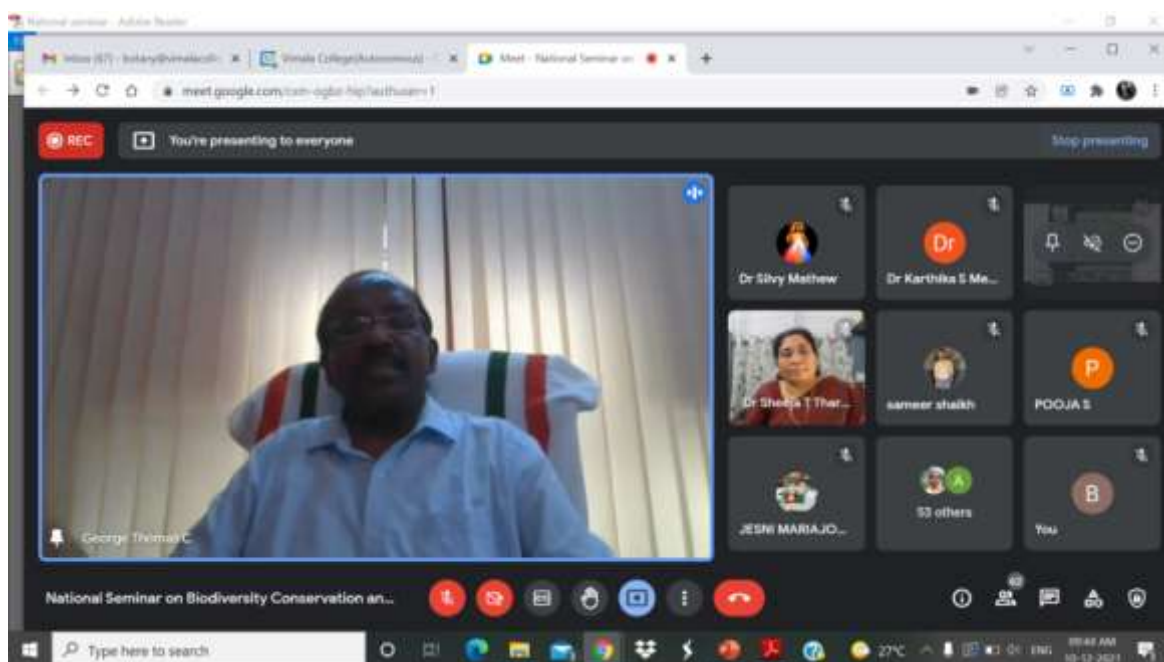
Assistant Professor,

Zoology,

Mar Ivanios College, Thiruvananthapuram

Photos

Inaugural Session

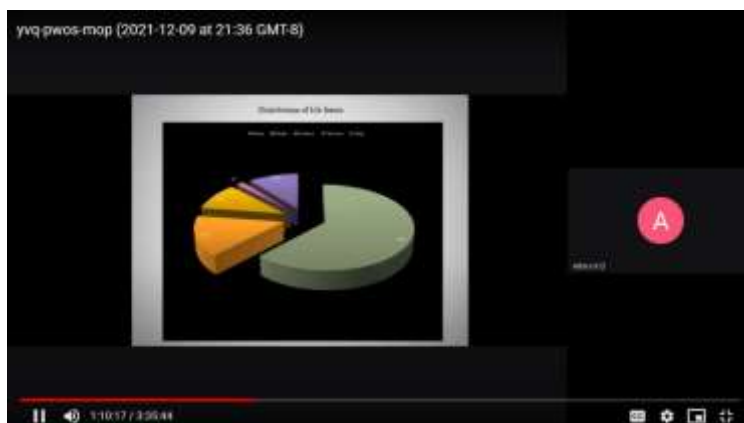
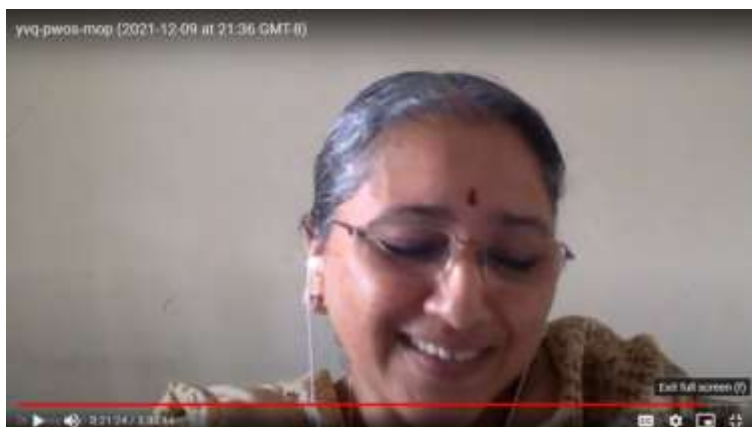


Assessment Period (2016 – 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Category 1



Category 2

National Seminar on Biodiversity Conservation and Ecosystem Restoration (2021-12-09 at 21:35 GMT-8)

Impatiens flaccida Arn., Comp. Bot. Mag. 1: 322.1836; Hook.f., Fl. Brit. India 1: 457. 1874; Gamble, Fl. Pres. Madras 143. 1915.

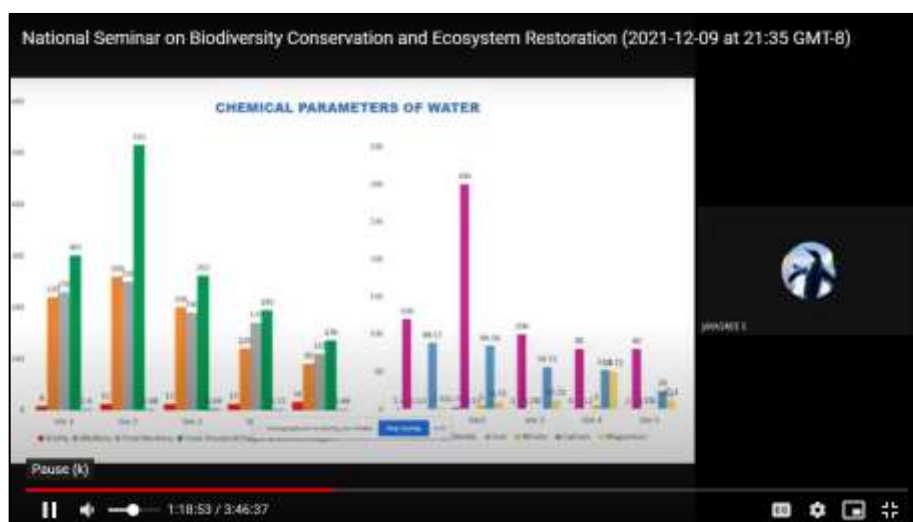
Herbs. Leaves alternate, elliptic-lanceolate, 7 × 3.5 cm glabrescent above, slightly pubescent beneath. Flowers axillary, solitary. Sepals 3, free; lateral sepals lanceolate; lower sepal cymbiform, spurred. Dorsal petal broadly obcordate; lateral united petals obovate. Stamens 5, united. Ovary superior. Capsules fusiform.



Distribution: Native range is S India and Sri Lanka (POWO, 2021); *Habitat:* Moist deciduous forests; *Fl. & Fr.:* July-October.
Specimen examined: Vennimoney, 15.07.2021, #M & SN 16059 (CALI).



VIMALA COLLEGE (AUTONOMOUS), THRISSUR



National Seminar on Biodiversity Conservation and Ecosystem Restoration (2021-12-09 at 21:35 GMT-8)

RESULT & DISCUSSION

- Habitat for faunal diversity
- Role of Papyrus swamps
- Production of peat and peat soil
- Weeds & Ecological Adaptation

Dr. Edap Mathew

16:55 / 3:46:37

Catrgory 3

Meeting - National Seminar

meet.google.com/... (link to the meeting)

Zoomed in is presenting

METHODS

Authentication of the plant by the Taxonomist

Preparation of herbarium and collection of leafy material for DNA analysis

PHYSICAL CHARACTERISTICS OF VET

Height, Colour, Habitat, Taste, Solubility, Specific gravity, B.O.P.

Dr. Edap Mathew

2:04 PM - National Seminar

Type here to search

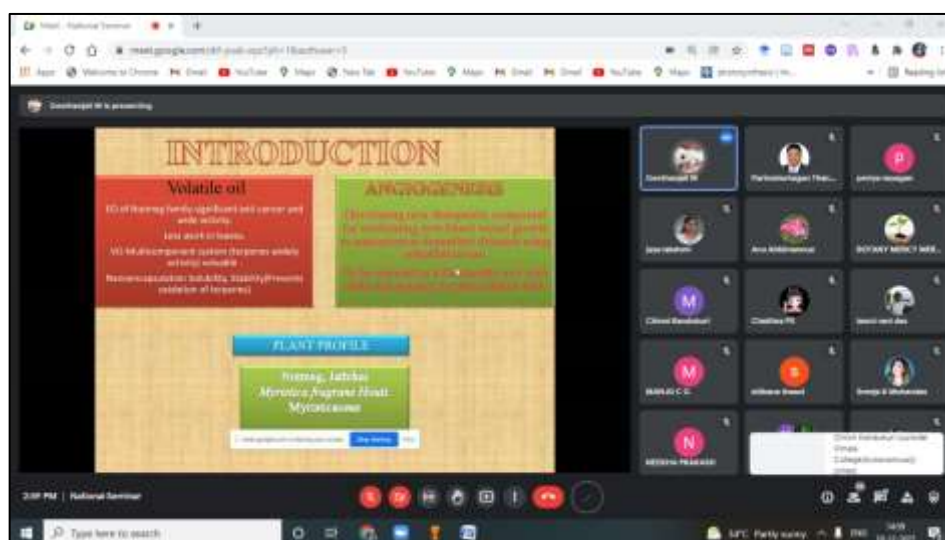
14°C Paddy home

18/12/2021

Assessment Period (2016 - 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR



Results

National Seminar on Biodiversity Conservation and Ecosystem restoration		
Result		
Category I : UG & PG students	Category II : Research Scholars	Category III: Faculty
First Prize: Adithya P J Department of Botany Government Victoria College Palakkad	First Prize: Vishnu Mohan Department of Botany University of Calicut	First Prize: Anu P A Department of Biology St.Mary's College Thrissur
Second Prize: Nair Meenakshi Vijayan Department of Genetics Ramalah college of arts,science and commerce Bangalore	Second Prize: Chitra Rajagopal Department of Zoology Nirmala College Muvattupuzha	Second Prize: Dr . M. Geethanjali Pharmacognosy Faculty of Pharmacy, Dr MGR Educational and Research Institute, Chennai, Tamil Nadu
Hearty Congratulations to winners!!		



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Certificates



Participation



Assessment Period (2016 – 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

List of Participants:

Sl.No	Name	Designation	College
1.	Akhilesh S. V. Nair	Research Scholar	University Of Kerala
2.	Athira	PG	Vimala College
3.	Farsana Salah S	Research Scholar	Govt.College For Women, TVM
4.	Shaina Jerald	Research Scholar	University Of Kerala
5.	Sayoojia K S	Research Scholar	Fatima Mata National College
6.	Pooja S.	Research Scholar	Sanatana Dharma College
7.	Vishnu Mohan	Research Scholar	University Of Calicut
8.	Akhila S	PG	Mercy College, Palakkad
9.	Nair Meenakshi Vijayan	PG	Ramaiah College Of Arts,Science And Commerce
10.	Vidhya P M	PG	St Mary's College Thrissur
11.	Venkataramanaiah Poli	Research Scholar	Sri Venkateswara University
12.	Preethi Jenifer Praticia.S	Research Scholar	Psgr Krishnammal College For Women Coimbatore
13.	Alna Thomas	PG	Vimala College
14.	Dr MUHAMMAD ANAZ K	Faculty	Psma College Tirurangadi
15.	Anu P A	Faculty	St.Mary's College
16.	Sinitha K	Faculty	Govt College, Madappally
17.	Anakha B.S	Research Scholar	Christian College Kattakada
18.	Tisha Liza Tomy	Faculty	St. Mary's College
19.	Archana Pachath	MPhil	University Of Calicut
20.	Neenu V P	MPhil	University Of Calicut
21.	Chithra S G	Research Scholar	Mahatma Gandhi College, Kesavadasapuram
22.	Shaikh Sameer Rajjak	PG	Nagpur Veterinary College, (Mafsu), Nagpur
23.	Pauline Jenifer. S	Research Scholar	St. Mary's College (Autonomous), Thoothukudi
24.	Jayasree S	Research Scholar	Maharaja's College Ernakulam
25.	Dr Sr Sindhu K K	Faculty	Mercy College Palakkad
26.	Mithraja M J	Research Scholar	M G College,Trivandrum
27.	Soja S	Research Scholar	Sd College
28.	Laxmi Rani Das	Faculty	Ramthakur College
29.	Dr . M. Geethanjali	Faculty	Faculty Of Pharmacy, Dr MGR Educational And Research Institute, Chennai, Tamil Nadu
30.	Diya Joseph	PG	Mercy College Palakkad
31.	Priya Thomas	Faculty	Bishop Chulaparambil Memorial College, Kottayam
32.	Dr.Vidya.R.Nair	PG	Amrita School Of Ayurveda

Assessment Period (2016 - 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

33.	Vimala. C	Research Scholar	St. Mary's College Autonomous Thoothukudi
34.	Dr.Archana.C.V.	PG	Amrita School Of Ayurveda
35.	Dr.Sreya C K	PG	Amrita School Of Ayurveda
36.	Aleena Elizabeth Cyril	Research Scholar	Nirmala College
37.	Janvi Thomas	PG	Mercy College Palakkad
38.	Dr.Anna.M.K	PG	Amrita School Of Ayurveda
39.	Aditi K P	UG	Vimala College
40.	Valentine Manoj	PG	Govt.Victoria College Palakkad
41.	Smruthi K S	PG	Government Victoria College
42.	Dr. Mary Santhi. R	Faculty	St. Mary's College (Autonomous), Thoothukudi
43.	Aleena Rose K P	PG	Vimala College
44.	Akhil Ashokan	Research Scholar	Sanatana Dharma College, Alappuzha
45.	Chitra Rajagopal	Research Scholar	Nirmala College, Muvattupuzha
46.	Adithya P J	PG	Government Victoria College Palakkad
47.	Dr.Binu K	Faculty	Vimala College

Head , Department of Botany
Vimala College



PRINCIPAL IN-CHARGE
VIMALA COLLEGE
(AUTONOMOUS)
THRISSUR - 680 009

Assessment Period (2016 - 2021)