



AQAR 2020-21

3.3 Innovation Ecosystem

3.3.2: Workshops /Seminars on IPR / Industry Academia Initiatives - Botany



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Tiruchirappalli-620002
www.sjctni.edu



Department of Botany

Organises

**One day International Webinar on :
Strategies to Control COVID - 19**

**Free
Registration**

Resource Person
Dr. X. Baskaran M.Sc., M.Phil., PhD, PDF
Post-Doctoral Fellow
School of Life Sciences
Sun Yat-sen University, Guangzhou
P.R. China

E - Certificate will be provided
for registered participants

Registration link : <https://forms.gle/u1xAoNfhyosxPULp9>

MAY - 2020
30

Time : 4:00 pm to
5:00 pm



PATRONS :

1. REV. DR. LEONARD FERNANDO, SJ. (RECTOR), ST. JOSEPH'S COLLEGE, TRICHY, TAMIL NADU
2. REV. DR. S. PETER XAVIER SJ. (SECRETARY), ST. JOSEPH'S COLLEGE, TRICHY, TAMIL NADU
3. REV. DR. M. AROKIASAMY XAVIER SJ. (PRINCIPAL), ST JOSEPH'S COLLEGE, TRICHY, TAMIL NADU.

| | |
|--|---|
| Dr. S. Sahaya Sathish, Dean, School of Biological Sciences, Associate professor in Botany, SJC, Trichy. | Dr. S. R. Senthil Kumar, Head, Associate Professor in Botany, SJC, Trichy. |
|--|---|

ORGANISING SECRETARIES :

| | |
|---|--|
| Dr.K.Rajan, Associate professor in Zoology, Department of Botany, St.Joseph's College, Tiruchirappalli. Mail- profkilimas_rajana@yahoo.com | Dr. S. Anusuya, Assistant professor in Botany, St.joseph's College, Tiruchirappalli. Mail - anusathsar.rajesh@gmail.com |
|---|--|



**DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2**

**A REPORT OF THE ONE-DAY INTERNATIONAL WEBINAR ON
“STRATEGIES TO CONTROL COVID-19”**

ON MAY 30, 2020

A one-day international webinar on “**Strategies to control Covid-19**” was organized by Dept. of Botany, SJC, Trichy on May 30, 2020. Rev. Fr. Arockiasamy Xavier SJ, Principal SJC gave felicitation and welcome address was delivered by Dr. S. R. Senthil Kumar, Head, Dept. of Botany, SJC. Nearly 1200 participants registered from different countries and faculties of various institutions were participated. Dr. Baskaran Xavier explained the strategies of controlling coronavirus and discussed the measures taken to control Covid-19 in china.

It depends on many things, including researchers' work, search for a treatment and a vaccine, and the public's efforts to slow the spread. Today, children and young people are global citizens, powerful agents of change and the next generation of caregivers, scientists, and doctors. Any crisis presents the opportunity to help them learn, cultivate compassion and increase resilience while building a safer and more caring community. The session was informative and the feedback response was good. He also answered the questions raised by the participants. Dr. S. Anusuya, Assistant Professor, Dept. of Botany proposed the vote of thanks.


Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli - 620 002.



INTERNATIONAL CONFERENCE ON 'RECENT TRENDS IN BIOLOGICAL SCIENCES'



PATRONS



REV. Dr. LEONARD FERNANDO, SJ.
RECTOR, SJC, TRICHY



REV. Dr. PETER XAVIER, SJ.
SECRETARY, SJC, TRICHY



REV. Dr. M. AROCKIASAMY XAVIER, SJ.
PRINCIPAL, SJC, TRICHY

CONVENER



REV. PROF. J. K. LAL
PRINCIPAL, SAC, GKP



Dr. S. DOMINIC RAJKUMAR
ASSOCIATE PROFESSOR
SAC, GKP, 9335972738
dominicraj कुमार1@gmail.com



Dr. S. SAHAYA SATHISH
DEAN, SCHOOL OF BIOLOGICAL
SCIENCES, SJC, 8124053341
sahayasathish@yahoo.in



Dr. S. R. SENTHIL KUMAR
HEAD, DEPT. OF BOTANY,
SJC.

ORGANISING SECRETARIES

CO-CONVENER

INAUGURAL ADDRESS



Dr. P. MANISANKAR
VICE-CHANCELLOR,
BHARATHIDASAN UNIVERSITY.

INVITED SPEAKERS



Dr. ANBURAJ
SCIENTIST
SINGAPORE



Dr. ASHOK KUMAR
PROFESSOR
THAILAND



Dr. BAKRUDEEN
PROFESSOR
VIETNAM



Dr. P. BASKARAN
PRINCIPAL SCIENTIST,
HEAD - BIOTECHNOLOGY,
Dami OPRS, AUSTRALIA.



PROF. THAJUDDIN
BHARATHIDASAN
UNIVERSITY



Dr. PARIMELAZHAGAN
PROFESSOR
BHARATHIAR
UNIVERSITY



Dr. RAJASEKARAN
SCIENTIST
IFGTP, INDIA



PROF. ARUN KHARAT
SCHOOL OF LIFE
SCIENCES, JNU.



Dr. S. K. BHATNAGAR
DIRECTOR, BIOMEDICAL
RESEARCH CENTRE
GWALIOR



Dr. V. N. PANDEY
PROFESSOR
DDU GKP UNIV.



Dr. BENNIAMIN
SCIENTIST
BSI, INDIA



PROF. DINESH YADAV
BIOTECHNOLOGY
DDU GKP UNIVERSITY



DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

A REPORT OF THE 'INTERNATIONAL CONFERENCE ON RECENT TRENDS IN
BIOLOGICAL SCIENCES' on 3rd & 4th JUNE 2020

The Conference was jointly organised by Botany Departments of St. Joseph's College, Tiruchirappalli, Tamil Nadu and St. Andrew's College, Gorakhpur, Uttar Pradesh on 3rd & 4th June 2020 through online mode. The objective of this conference is to foster discussion and strengthen connections between experts and provide a common platform for researchers, academicians and students to share their knowledge about the recent developments in the field of Biological Sciences.

The Conference began with prayers and blessings by the Rector of St. Joseph's College, Rev. Dr. Leonard Fernando SJ. Welcomed the gathering by one of the Organising Secretary Dr. S. Sahaya Sathish, Dean, School of Biological Sciences, St. Joseph's College. The Principal of St. Joseph's College Rev. Dr. M. Arockiasamy Xavier SJ, and the Principal of St. Andrew's College Rev. Dr. J. K. Lal gave felicitations. The vote of thanks given by one of the Convener Dr. S. R. Senthil kumar, Head, Department of Botany, St. Joseph's College, Tiruchirappalli.

The event brought together some 450 participants including students, scholars, professors and scientists from almost 15 countries. The two-day conference comprised 12 plenary sessions, with one speaker per session. Each speaker was given 40 minutes for the talk and 5 minutes for questions, followed by a paper presentation by the scholars/faculty. The speakers were well experienced University professors and scientists from various fields of Biological Sciences. Among the speakers five from abroad. They shared their expertise very

enthusiastically and with full commitment. The paper presentations were also from abroad and almost from all the states of our country. Each session was very meaningful and with a brain storming question session. The first day i.e., on 3rd June conference was extend up to 6.30 pm IST. The conference was coming to an end with vote of thanks given by one of the Organising Secretary Dr. S. Dominic Raj kumar. We hope the two days have been fruitful and that the participants were able to make the most from the sessions they attended.

سید محمد علی

Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirapalli - 620 002.



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Free
Registration

Department of Botany

Organises

Webinar on :

MICROBES, THE DRIVERS OF HUMAN LIFE

Resource Person

Dr. G. Velmurugan M.Sc., Ph.D.
Scientist

Chemomicrobiomics Laboratory
KMCH Research Foundation
Coimbatore, Tamil Nadu,
India - 614 014.
Mobile: +91 9443462111
Email: vel@kmchrf.org

E - Certificate will be provided

Registration link : <https://forms.gle/Vf6aoY3NGwQ421QBA>

JUNE - 2020

06

IST

Time : 4:00 pm to
5:00 pm



PATRONS :

1. REV. DR. LEONARD FERNANDO, S.J. (RECTOR), ST. JOSEPH'S COLLEGE, TRICHY, TAMIL NADU
2. REV. DR. S. PETER XAVIER S.J. (SECRETARY), ST. JOSEPH'S COLLEGE, TRICHY, TAMIL NADU
3. REV. DR. M. AROKIASAMY XAVIER S.J. (PRINCIPAL), ST. JOSEPH'S COLLEGE, TRICHY, TAMIL NADU.

Dr. S. Sahaya Sathish, Dean,
School of Biological Sciences,
Associate Professor in Botany, SJC, Trichy.

Dr. S. R. Senthil Kumar, Head,
Associate Professor in Botany,
SJC, Trichy.

ORGANISING SECRETARIES :

Dr. K. Rajan,
Associate Professor in Zoology,
Department of Botany,
St. Joseph's College,
Tiruchirappalli.
Mail - profkilimas_rajana@yahoo.com

Dr. S. Anusuya,
Assistant Professor in Botany,
St. Joseph's College,
Tiruchirappalli.
Mail - anusathsar.rajesh@gmail.com



DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

**A REPORT OF THE WEBINAR ON “MICROBES, THE DRIVERS OF HUMAN LIFE”
ON JUNE 13, 2020.**

A webinar on “Microbes, the drivers of human life” was organized by Department of Botany, SJC on June 13, 2020. Rev. Dr. Leonard Fernando SJ, Rector felicitated the gathering and welcome address was delivered by Dr. S. R. Senthilkumar, Head, Dept. of Botany, SJC. Dr. G. Velmurugan, resource person addressed on role of microbes on two current global issues:

1. Locust swarms that evolved as a major threat to food security and
2. COVID-19 pandemic that emerged as a historic biological disaster since human origin.

Totally 1030 participants from different countries (India, Malaysia, Philippines, Thailand, Hong Kong, Saudi Arabia and Egypt) were participated and got benefitted from the explanations of the concept. The speaker has answered clearly and patiently all the questions posted by the participants. Vote of thanks was proposed by Dr. K. Rajan, Associate Professor, Dept. of Botany, SJC. Feedback response was excellent.

Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli - 620 002.

Microbes, the drivers of human life

Dr. G. Velmurugan

Chemomicrobiomics Laboratory, KMCH Research Foundation, Kovai Medical Center & Hospital, Coimbatore, Tamil Nadu, India.

Microbes are ancestral, microscopic creatures that includes viruses, bacteria, archaea and eukaryotic unicellular organisms (microalgae, fungi and protozoans). They are omnipresent and omnipotent in all spheres of the universe. Microbes live in association with all forms of plant and animal life forms. The number of microbes residing within human body outnumbers the human cells and human genes. Microbes are key players in all dimensions of life including global climate change, ecological balance, agriculture and human health and disease. Only a small proportion of microbes cause diseases and majority are beneficial, which is not largely recognized and appreciated. Here, we are discussing the role of microbes on two current global issues:

- Locust swarms that evolved as a major threat to food security and
- COVID-19 pandemic that emerged as a historic biological disaster since human origin.



14:41 4G

82



Sathiyanaayanan Anusuya

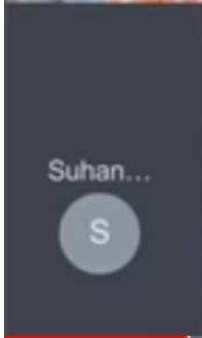


Velmurugan G



Leonard Fernando

LIVE
WEBINAR



Senthilkumar subbulaman



Prasad of Balam



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India - 620002. www.sjctni.edu

Department of Botany

Organises

International Webinar on : GENETIC FACTORS: THE ROOT CAUSE OF DRUG RESPONSE VARIATION



Dr. VISHNUPRABU DURAIRAJ PANDIAN, MSc., Ph.D.

University of Maryland Baltimore School of Medicine,
Center for Vascular and Inflammatory Diseases (CVID),
Baltimore MD 21201. Cell: 419-699-1774;
E-Mail: vishnuprabu.d@gmail.com



E - Certificate
will be provided

Free Registration

Registration link: <https://forms.gle/zDvkiFjgcwHf0zbn5>

ezTalks

PATRONS :

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2. REV. DR. S. PETER XAVIER SJ. (SECRETARY), ST. JOSEPH'S COLLEGE, TRICHY, TAMIL NADU
3. REV. DR. M. AROKIASAMY XAVIER SJ. (PRINCIPAL), ST. JOSEPH'S COLLEGE, TRICHY, TAMIL NADU.

Dr. S. Sahaya Sathish, Dean,
School of Biological Sciences,
Associate Professor in Botany, SJC, Trichy.

Dr. S. R. Senthil Kumar, Head,
Associate Professor in Botany,
SJC, Trichy.

ORGANISING SECRETARIES :

Dr. K. Rajan,
Associate Professor in Zoology,
Department of Botany,
St. Joseph's College,
Tiruchirappalli.
Mail - profkilimas_rajana@yahoo.com

Dr. S. Anusuya,
Assistant Professor in Botany,
St. Joseph's College,
Tiruchirappalli.
Mail - anusathsar.rajesh@gmail.com

JUN 2020
13

Time :
4:30 pm to 5:30 pm **IST**



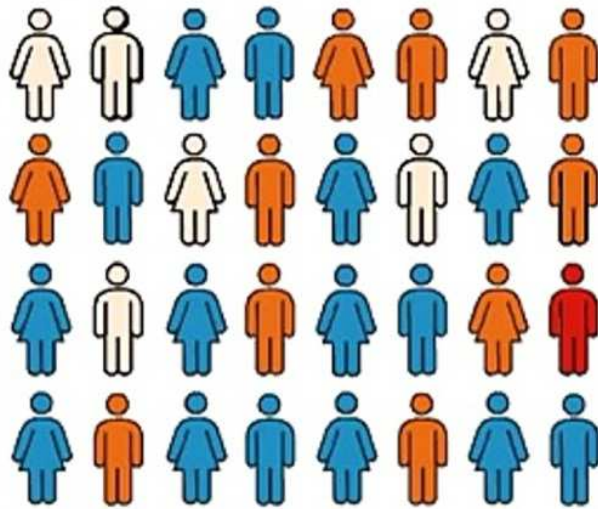
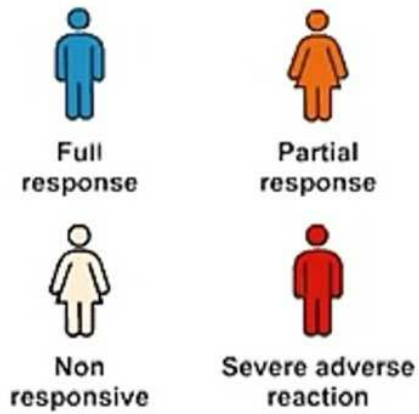
DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

**A REPORT OF THE INTERNATIONAL WEBINAR ON “GENETIC
FACTORS- THE ROOT CAUSE OF DRUG RESPONSE VARIATION”
ON JUNE 13, 2020.**

An international webinar on “Genetic factors- the root cause of drug response variation” was organized by Department of Botany, SJC on June 13, 2020. Rev. Dr. Peter SJ, Secretary felicitated the gathering and welcome address was delivered by Dr. S. R. Senthilkumar, Head, Dept. of Botany, SJC. Dr. D. Vishnu Prabhu, resource person addressed on key areas of current medical research. Totally 850 members (750 graduate students, 5 post doctoral researchers and 95 faculty members) from 8 different countries (India, Iran, Saudi Arabia, Morocco, Iraq, Philippines, Tunisia and Thailand) were participated and got benefitted from the explanations of the concept. Nearly 350 participants joined the session in youtube live stream. Vote of thanks was proposed by Dr. K. Rajan, Associate Professor, Dept. of Botany, SJC. Feedback response was good.


Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli - 620 002.

Variation in drug response



14:39 4G 82

GFTRCDRV | Webinar ID: 992-766-998

Vishnuprabu Durairaj Pandian

Johnny Kumar Tagore

LIVE WEBINAR

PIP

End Webinar

Video Audio Participants Share Chat Record Rooms More



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 Tiruchirappalli, Tamil Nadu, India. 620-002.

Department of Botany Organises
INTERNATIONAL WEBINAR LECTURE SERIES ON
"BIOSCIENCE: A GLANCE IN SHARING AND LEARNING"

Dates:
24th – 26th
June, 2020

Platform:
EZ Talks
 (Online Mode)

Day-1
 24/06/2020
 4:00 pm to 5:30 pm IST



Dr. S. Sivasubramanian
 Former Vice-Chancellor,
 Bharathiar University,
 Coimbatore, India.
Title:
Teachers and Technology

Day-2
 25/06/2020
 9:00 am to 10:30 am IST



Dr. K. Sahayaraj
 Associate Prof, Dept. of Zoology,
 St. Xavier's College (Autonomous),
 Palayamkottai, India.
Title:
*Bionanomaterials for
 pest management*

Day-3
 26/06/2020
 9:00 am to 10:30 am IST 4:00 pm to 5:30 pm IST



Dr. Ravindran Keppanan
 (PDF) Dept. of Entomology &
 Nematology,
 Agricultural Research Organisation,
 Rishon Lezion, Israel.
Title: *Entomopathogenic fungi: An
 effective biocontrol agent for
 management of insect population*



Dr. R. Ananthan
 Scientist 'D', ICMR-
 National Institute of Nutrition,
 Hyderabad, Telangana.
Title: *Food and Nutrition
 security: Role of indigenous
 food system*

Patrons:
Rev. Dr. Leonard Fernando SJ - Rector
Rev. Dr. S. Peter Xavier SJ - Secretary
Rev. Dr. M. Arockiasamy Xavier SJ - Principal

Registration Link:
<https://forms.gle/MemF9eruCcHMcEJh7>

FREE REGISTRATION

E- CERTIFICATE WILL BE PROVIDED

Dr. S. Sahaya Sathish
 Dean
 School of Biological Sciences.

Organising Secretaries:
Dr. K. Rajan, Associate Prof. in Zoology, Department of Botany.
Dr. S. Anusuya, Assistant Prof. in Botany.

Dr. S. R. Senthil Kumar
 Head
 Department of Botany.



DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

A REOPRT OF THE THREE-DAY INTERNATIONAL WEBINAR SERIES ON

“BIOSCIENCE-A GLANCE IN SHARING AND LEARNING”

24.06.2020 - 26.06.2020.

A three-day international webinar series on “Bioscience-A glance in sharing and learning” was organized by Department of Botany, SJC from 24.06.2020-26.06.2020. Nearly 700 participants have registered for this webinar. Faculties and students from various countries such as India, Jordan, Iraq, Indonesia, Kuwait, Algeria and Libiya were actively participated in this webinar series. Rev. Fr. M. Arockiasamy Xavier SJ, Principal, SJC felicitated and blessed us and Dr. K. Rajan welcomed the gathering.

Session 1 on “Teachers and Technology” was led by Dr. S. Sivasubramanian, Former vice chancellor of Barathiar University. He emphasized on flipped classroom technology for teaching. He also stressed that quality of a teacher is mandate for teaching. He explained all the concepts in teaching clearly and precisely.

Session 2 was led by Dr. Sahayaraj, Asso. Prof. of Zoology, St. Xaviers college on “Bionanomaterials for pest control”. His talk was very informative and the feedback from the participants was impressive. He

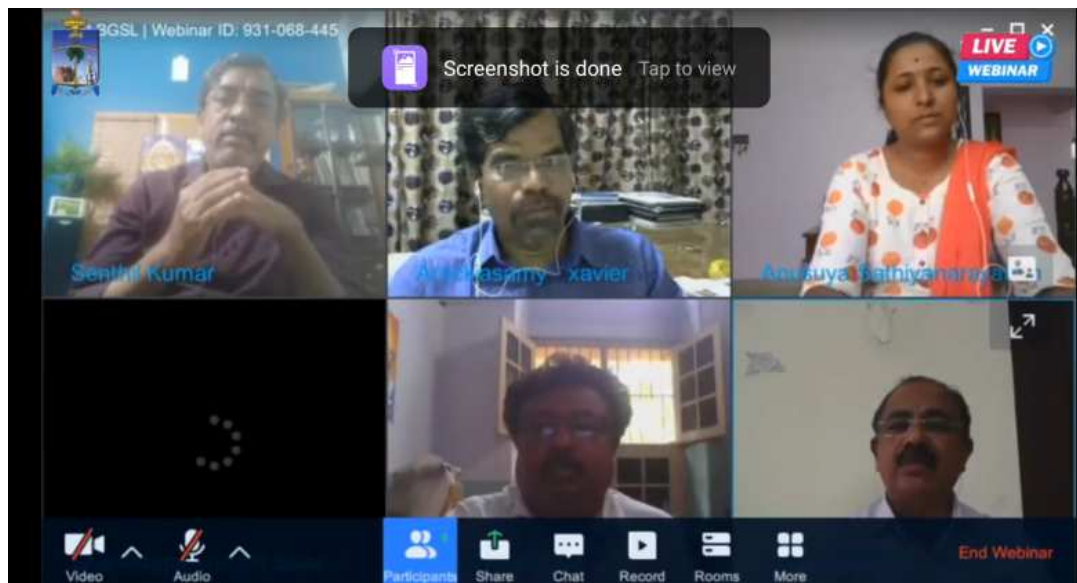
explained that different types of nanomaterials synthesized for control various pests.

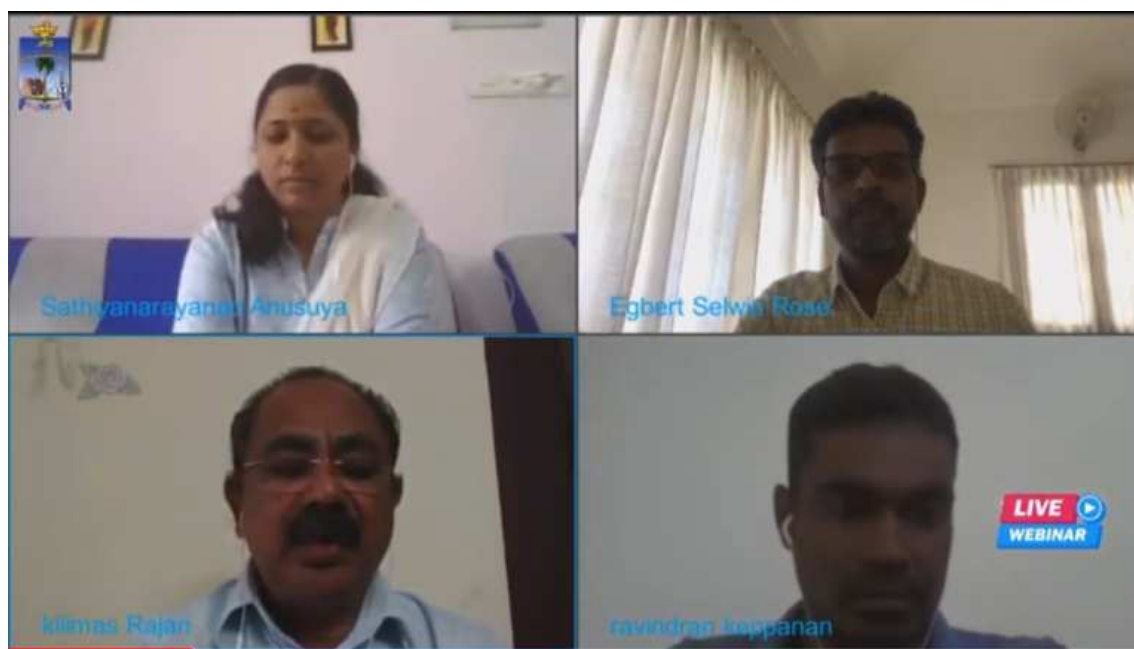
Session 3 was led by Dr. Ravindran, Agriculture Research Organization, Israel on "Entomopathogenic fungi in controlling insect populations". His talk was informative and the feedback response was good. He highlighted how the microorganisms especially fungi is used in controlling insect populations and he explained the mechanism of plant-microbe interactions.

Session 4 on "Food and nutritional security" was led by Dr. R. Ananthan, Scientist, National Institute of Nutrition, Hyderabad. He emphasized the nutritional status in indigenous food system and he addressed the food security problems in India. His talk was highly informative. Overall, the feedback response was much appreciated the webinar.

செ. ஜெ. அ. சி.


Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirapalli - 620 002.






St. JOSEPH'S COLLEGE (Autonomous)
Trichy - 620002, TamilNadu, India

LIVE
WEBINAR



DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TRICHY - 620002

26th June 2020 4:00 pm (IST)




Dr. R. Ananthan
Scientist 'D', ICMR-
National Institute of Nutrition
Hyderabad, Telangana.

Program Schedule:

4:00 PM: Prayer

Chief Guest Introduction



WEBINAR ON "BIOSCIENCE: A GLANCE IN SHARING AND LEARNING"

*Food and Nutrition security:
Role of indigenous food system*

Vote of Thanks Dr. Rajan Associate Prof. in Botany, SJC, Trichy-02

Ananthan..



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Tiruchirappalli, Tamil Nadu, India. 620-002.

**Date – 9th
July 2020
@
10: 30 AM
IST**

**Department of Botany, Incubation and Innovation Cell &
Entrepreneurship Cell Organises an International Webinar on**

Start-up Ecosystem in Biological Sciences Sector

Free Registration

E- Certificate will be provided

Patrons:

Rev. Dr. Leonard Fernando SJ - Rector

Rev. Dr. S. Peter Xavier SJ - Secretary

Rev. Dr. M. Arockiasamy Xavier SJ - Principal



Resource Person

DR. B. RAMANATHAN

Founder & Managing Director,
ACE International PVT Ltd,
Singapore.

*Platform:
EZ Talks & Youtube*



Registration Link: <https://forms.gle/Gi6yhC2iMb3qrxkA9>

For more details: www.sjctni.edu

Dr. S. Sahaya Sathish - Dean,

School of Biological Sciences.

Dr. S. R. Senthil Kumar - Head,

Department of Botany.

Organising Secretaries:

Dr. K. Rajan, Associate Professor, Department of Botany.

Dr. S. Anusuya, Assistant Professor, Department of Botany.

Incubation and Innovation Cell:

Rev. Fr. J. John Wilson SJ - Coordinator.

Entrepreneurship cell:

Dr. Arockia Rajasekar - Coordinator.



**DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2**

**A REPORT OF THE AN ONE DAY INTERNATIONAL WEBINAR SERIES ON "START-UP ECOSYSTEM
IN BIOLOGICAL SCIENCES SECTOR"**

ON 09.07.2020 REPORT

An one day International webinar series on "Start-up Ecosystem in Biological Sciences Sector" was organized by Department of Botany in association with Incubation & innovation cell and Entrepreneurship cell, SJC on 09.07.2020. 1200 participants have registered for this webinar. Rev. Fr. M. Arockiasamy Xavier SJ, Principal, SJC felicitated and blessed us and Dr. K. Rajan welcomed the gathering. Dr. B. Ramanathan, Founder and Managing Director, ACE International Pvt. Ltd, Singapore, the resource person emphasized on need of Institute and Industry partnerships and strengthening of start-up companies. Faculties and students from various countries such as India, Jordan, Iraq, Indonesia, Kuwait, South Korea and Singapore were actively participated in this webinar series. Dr. Arockia Rajasekar, Co-ordinator of Entrepreneurship Cell proposed the vote of thanks. Nearly 500 participants responded to feedback link and highly appreciated.

J. Jeyaraj

**Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli - 620 002.**





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Tiruchirappalli, Tamil Nadu, India. 620-002.

Department of Botany Organises a National Webinar on "HUMAN ORIGIN, HEALTH AND DISEASES"

Platform:
EZ Talks
& Youtube

Free Registration
E- Certificate will be provided

Patrons:

Rev. Dr. Leonard Fernando SJ - Rector

Rev. Dr. S. Peter Xavier SJ - Secretary

Rev. Dr. M. Arockiasamy Xavier SJ - Principal



Resource Person

Dr. K. THANGARAJ, FNA, FNASc, FASc,
J.C. Bose Fellow
Chief Scientist
CSIR - Centre for Cellular and
Molecular Biology
Hyderabad - 500 007

14th July
2020 @
11:30 AM
IST



Registration Link: <https://forms.gle/a63FiuYCimj1vbEc6>

For more details: www.sjctni.edu

Dr. S. Sahaya Sathish
Dean
School of Biological Sciences.

Organising Secretaries:
Dr. T. Francis Xavier - Assistant Professor of Botany.
Dr. H. David Raja - Assistant Professor of Botany.

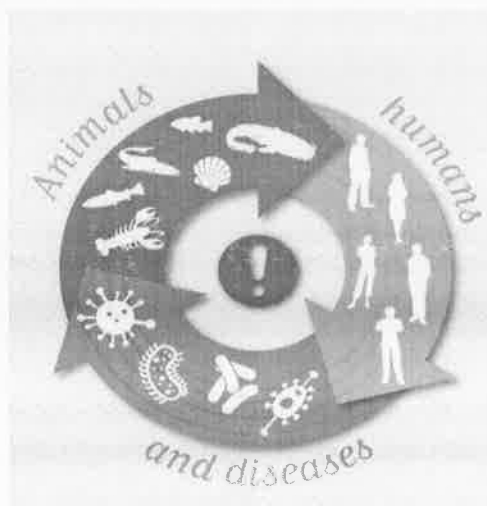
Dr. S. R. Senthil Kumar
Head
Department of Botany.



DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

**A Report of the one-day National Webinar on
Human Origin, Health and Diseases
on 14 July 2020.**

With the Blessings of Almighty God, a one-day National Webinar on **Human Origin, Health and Diseases** was organized by PG and Research Department of Botany, School of Biological Sciences, St. Joseph's College, Trichy, Tamil Nadu. The event scheduled on 14 July 2020. The enormous response was well recognized through the registration of around 3000 participants were registered (UG, PG College, students, Professors and Scientists from England, Germany, Australia, Egypt, Pakistan, and other countries) from various Universities, Degree colleges, and Research institutions in all over the world have been registered.



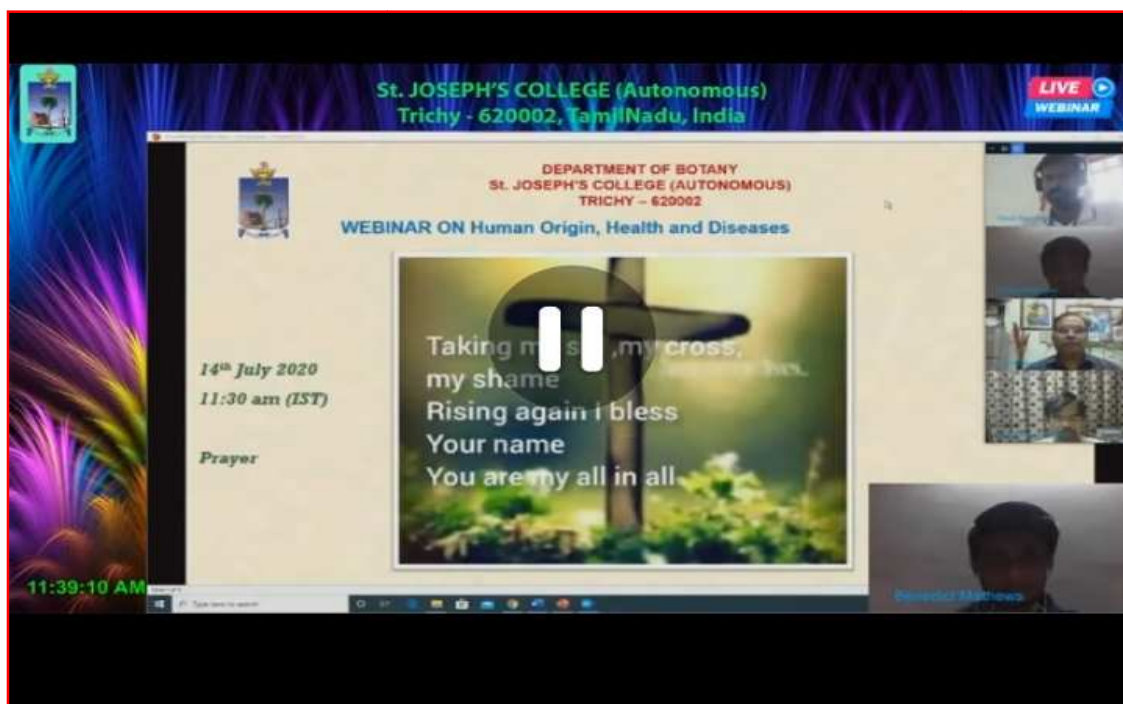
The National webinar started with a short inaugural ceremony. **Dr. S.R. Senthil Kumar**, Head of the Department of Botany, St. Joseph's College welcomed the gathering. Inaugurating the Webinar at the on line platform in the presence of **Rev. Dr. Arockiasamy Xavier**, Principal of St. Joseph's College, Trichy.

The Webinar content delivered in the webinar is as follows:

The webinar session was started after inauguration by **Dr. K. Thangaraj**, Chief Scientist, CSIR- Centre for Cellular and Molecular Biology, Hyderabad has delivered his energetic talk on '**Human Origin, Health and Diseases**'. The session was focused on the origin of Indian population-- how humans migrated from Africa during different episodes and populated different parts of India. His research studies led to further work on understanding how these populations interbred. An Eminent Scientist who also He projected a how in the last 2000 years Indians started practicing endogamy resulting in many populations specific genetic disorders. The session was highly informative and many participants had clarified with the resource person by posted the questions in the chat box. Also, the feedback about the session was collected from all the participants to improve the sessions that will be conducted in the mere future.

J. Jeyaraj

Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirapalli - 620 002.



Prayer song in the Inauguration





PPT Slide presented by Resource Person



**Department of Botany
St. Joseph's College (Autonomous)**

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DBT-STAR & DST-FIST sponsored College*

**Tiruchirappalli 620002
Tamil Nadu, India**

Webinar

Micro algae technology for industrial effluent treatment and restoration of polluted water bodies

Patrons:

Rev. Dr. Leonard Fernando SJ Rector
Rev. Dr. S. Peter Xavier SJ Secretary
Rev. Dr. M. Arockiasamy Xavier SJ Principal

Dr. S. Sahaya Sathish
Dean, School of Biological Sciences

Dr. S.R. Senthilkumar
Head, Department of Botany

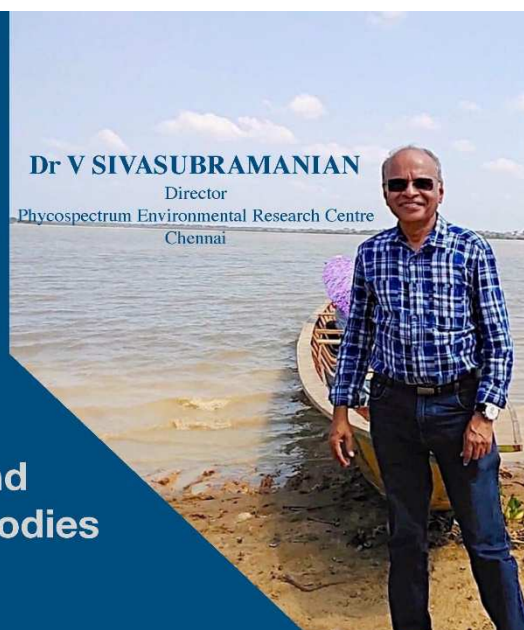
Dr. A. Egbert Selwin Rose
Organising Secretary

Registration link: <https://forms.gle/r5JPXeIYpOdh7iyy7>



JULY
17
2020
11AM IST

Dr V SIVASUBRAMANIAN
Director
Phycospectrum Environmental Research Centre
Chennai





DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

**A Report of the Micro Algae Technology for Industrial Effluent Treatment
and Restoration of Polluted Water Bodies on 17 July 2020**

Over 480 people took part in our webinar on 17 July 2020, to learn some expert advice on Micro algal technology for the treatment of industrial effluent and restoration of polluted water bodies from our presenter Dr. V. Sivasubramanian.

Dr. Sivasubramanian kicked off by talking us through some proven techniques implemented across India and abroad, for treating polluted water using algal technology.

Dr. Sivasubramanian focused on the following areas:

1. Algal technology for industrial effluent
2. Algal technology for restoration of water bodies

Many attendees sent in their questions on key challenges of algal technology, which Dr. Sivasubramanian addressed during ninety - minutes session.

Dr. S.R. Senthilkumar, Head and Associate Professor of Botany gave a formal welcome speech.

Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli - 620 002.



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St. Joseph's College (Autonomous)

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DBTSTAR & DSTFIST Sponsored College
Tiruchirappalli 620002
Tamil Nadu, India*

Certificate of Participation

This is to certify that

has participated in the National webinar on

**Micro algae technology for industrial effluent treatment
and restoration of polluted water bodies**

Date: 17.07. 2020

Dr. A. Egbert Selwin Rose
Organising Secretary

Dr. SR Senthilkumar
Head of the Department

Rev. Dr. M. Arockiasamy Xavier SJ
Principal



DEPARTMENT OF BOTANY ST. JOSEPH'S COLLEGE (AUTONOMOUS)

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College with Potential for Excellence by UGC, DBT-STAR & DST-FIST Sponsored College
Tiruchirappalli, Tamilnadu, India - 620002

Organizes a National webinar on
"NATURAL PRODUCTS FOR HUMAN HEALTH MANAGEMENT"

PATRONS

| | |
|-----------------------------------|-----------|
| Rev. Dr. Leonard Fernando SJ | Recto |
| Rev. Dr. S. Peter Xavier SJ | Secretary |
| Rev. Dr. M. Arockiasamy Xavier SJ | Principal |

on 22nd July 2020
at 11.30AM

FREE REGISTRATION
E - Certificate
will be provided

RESOURCE PERSON



Dr. MATHIVANAN

Director and Head
Centre for Advanced studies in Botany
University of Madras
Chennai, Tamil Nadu

PLATFORM:

ez TALK
YOUTUBE

Dr. S. SAHAYA SATHISH
Dean, School of Biological Sciences

Dr. S. R. SENTHIL KUMAR
Head, Department of Botany

Organizing Secretaries:

Dr. T. FRANCIS XAVIER
Assistant Professor of Botany.

Dr. H. DAVID RAJA
Assistant Professor of Botany.



Scan QR code
or

REGISTRATION LINK : <https://forms.gle/HpY6tQadZefyu1AD9>



DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

REPORT OF THE WEBINAR ON
'NATURAL PRODUCTS IN HUMAN HEALTH MANAGEMENT'
ON 22 JULY 2020.

The PG and Research Department of Botany has conducted the webinar on '**Natural Products in Human Health Management**' on **22 July 2020**. With the silent prayer, the webinar was started at 11.00 am. There were totally 3000 participants, out of which more than 50 participants from different parts of globe were registered from various Universities, Degree colleges, and Research institutions.

The National webinar started with a short inaugural ceremony. **Dr. S.R. Senthil Kumar**, Head of the Department of Botany, St. Joseph's College welcomed the gathering. Inaugurating the Webinar at the on line platform in the presence of **Rev. Dr. Peter Xavier**, Secretary of St. Joseph's College, Trichy.

Dr. M. Mathivanan, Professor and Director, Centre for Advanced Studies in Botany, University of Madras, Chennai was delivered his virtual Lecture on '**Natural Products in Human Health Management**'.


Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli - 620 002,

The webinar content delivered in the webinar is as follows:

The impact of natural products in the living environment was discussed in this session. The Speaker of the Session **Dr. M.Mathivanan** presented the keynote address on “**Natural Products in Human Health Management**”. He inspired the audience by his lively presentation on Natural products. He highlighted the scope of Medicinal Plants for developing use of Natural products and herbal medicine in industry as well as healthcare. He emphasized the different aspects of biologically active plant natural products, such as chemical characterization, in vitro and in vivo activities, clinical effects, mechanism of action, structure-activity relationship, and pharmacokinetic/pharmacodynamic properties.






Inaugural address by Rev. Fr. Secretary

presenting

Single Cell Protein (SCP)



Spirulina
&
Chlorella

David Raja

Nandyanasamy Mathivanan

presenting

Camptotheca acuminata



Camptothecin


Monroe Wall
Mansukh Wani,
Research Scientist, National Cancer Institute

Francis Xavier

Nandyanasamy Mathivanan

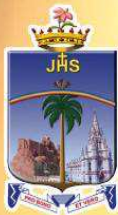
presenting

THANK YOU



David Raja

Nandyanasamy Mathivanan



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College with Potential for Excellence by UGC, DBT-STAR & DST-FIST Sponsored College
Tiruchirappalli, Tamilnadu, India - 620002

DEPARTMENT OF BOTANY

E - CERTIFICATE OF PARTICIPATION

This is to certify that **VISIEHUNO ROSA KESIEZIE**
ASSISTANT PROFESSOR , BOTANY
ST. JOSEPH'S COLLEGE JAKHAMA, Nagaland
has participated in the **National Webinar on 'Natural Products for Human Health Management'** organized by **Department of Botany, St. Joseph's College, Tiruchirappalli, Tamilnadu, India - 620002** on **22/07/2020**.

Dr. H. DAVID RAJA

Dr. T. FRANCIS XAVIER

Organizing Secretaries

Dr. S. R. SENTHIL KUMAR

Head

REV. Dr. M. AROCKIASAMY XAVIER SJ

Principal



DEPARTMENT OF BOTANY

**ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI, TAMIL NADU,
INDIA - 620002.**



Fr. BALAM MEMORIAL LECTURE

BLESSINGS & FELICITATION

**Rev. Dr. M. AROCKIASAMY XAVIER SJ.
PRINCIPAL**

CHIEF GUEST

**Dr. R.S.C.JEYARAJ, IFS.
Director,
Rain Forest Research Institute, Government of India,
Jorhat, Assam.**

Will deliver a lecture on

"BOTANICAL WEALTH OF NORTHEAST INDIA"

**DATE : 05.02.2021
TIME : 11.30am
PLAT FORM : GOOGLE MEET**

ALL ARE CORDIALLLY INVITED

HEAD, FACULTY AND STUDENTS



DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

A REPORT OF THE INTERNATIONAL WEBINAR ON
51ST FR. BALAM MEMORIAL LECTURE ON 05.02.2021,

The Department of Botany, St. Joseph's College organized 51st Fr. Balam Memorial Lecture on 05.02.2021, Friday at 11.30 A.M. The program started with a prayer song. Dr. S.R. Senthilumar, Head, Department of Botany delivered the welcome address. Rev. Fr. Arockiasamy Xavier, S.J, Principal, felicitated the gathering by his kind words of welcome and blessed the students. Dr. S. Sahaya Sathish, Dean, School of Biological Sciences introduced the resource person Dr. R.S.C. Jayaraj, Director, Rainforest Research Institute, Jorhat, Assam. He delivered a talk on "Botanical wealth of northeast India". He exposed the handicraft products, cosmetics, tea and several other products especially from bamboo fibres and other forest resources to our students. We were wondered to see the bamboo concrete for building instead of steel. His talk was very informative and he explored the ecofriendly nature in a nice manner. The questions raised by the students were clarified by the resource person. Dr. S. Anusuya, President of Botany Association proposed the vote of thanks and the programme came to an end by 1.15 P.M

Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli - 620 002.

Botany Staff Room Shift 1 x Meet - Fr. Balam Memorial L x prayer song jesu - Google Search x +

meet.google.com/aua-ezui-cmz?authuser=0

Fr. Balam Memorial Lecture-2021 x

People (68) Chat

Add people Host controls

IN CALL

- Dr. S. ANUSUYA (You)
- 18UBO130 RENISH A
- 19UBO104 KEIN Y
- 19UBO105 SAMSON DA...
- 19UBO108 ROJITHA BA...
- 19UBO115 HENILAZAR V
- 19UBO117 ANANDHAKU...

Are you talking? Your mic is off. Click the mic to turn it on.

Fr. Balam Memorial Lecture-2021 ^

Type here to search

11:38 05-02-2021

Botany Staff Room Shift 1 x Meet - Fr. Balam Memorial L... x prayer song Jesus - Google Search x +

meet.google.com/aua-ezui-cmz?authuser=0

Fr. Balam Memorial Lecture-2021 x

People (69) Chat

- Dr. M. BASTIN CHURCHILL
- Dr. M. FRANCIS SATHIYA...
- Dr. S.R.SENTHIL KUMAR
- Dr. S.SAHAYA SATHISH
- Dr. T.FRANCIS XAVIER
- Egbert Selwin
- John peter Arulanandam
- Mr. A. Maria Micheal Th...
- RFRI, Jorhat ITCELL

Fr. Balam Memorial Lecture-2021

Type here to search

11:39 05-02-2021

Botany Staff Room Shift 1 x Meet - Fr. Balam Memorial L... x prayer song Jesus - Google Search x +

meet.google.com/aua-ezui-cmz?authuser=0

RFRI, Jorhat ITCELL is presenting

Fr. Balam Memorial Lecture-2021 x

People (65) Chat

- Dr. M. FRANCIS SATHIYA...
- Dr. S.R.SENTHIL KUMAR
- Dr. S.SAHAYA SATHISH
- Dr. T.FRANCIS XAVIER
- Egbert Selwin
- John peter Arulanandam
- Mr. A. Maria Micheal Th...
- RFRI, Jorhat ITCELL
- RFRI, Jorhat ITCELL Presentation

Brief Statistics

- Out of total 17500 flowering plants in India, 8500+ occur in Northeast
- Out of 315 families >200 families are represented here
- 2/3rd of known Pteridophytes- approximately 845 species under 179 genera
- Mosses 1030 out of 1980 species
- Liverworts- 548 out of 845 species
- Lichens- about 2000 species

TOURISTS' GUIDE MAP OF NORTH-EAST INDIA

11:46 05-02-2021



Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli-620 002

Mrs. Thanapackiam Robert Jeyachandran
Endowment Lecture

Blessings & Felicitation

Rev. Dr. M. Arockiasamy Xavier SJ
Principal

Rev. Dr. S. Peter SJ,
Secretary

Resource Person



Dr. Vivek Dogra,
Senior Scientist,
CSIR - Institute of Himalayan Bioresource Technology,
Palampur (H.P)

Will deliver a lecture on

“Role of Chloroplasts as Environment Sensors”

Date : 12.03.2021
Time : 11.30 a.m
Platform : Google Meet

All are cordially invited

Head, Faculty and Students



DEPARTMENT OF BOTANY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 2

A REPORT OF THE INTERNATIONAL WEBINAR ON
51ST FR. BALAM MEMORIAL LECTURE ON 05.02.2021,

The Department of Botany, St. Joseph's College organized Mrs. Thanapackiam Robert Jeyachandran Endowment lecture on 12.03.2021, Friday at 11.00 A.M. The program started with a prayer song. Dr. S.R. Senthilumar, Head, Department of Botany delivered the welcome address. Dr.S.Sahaya Sathish, Dean, School of Biological Sciences introduced the resource person Dr. Vivek Dogra, Senior Scientist, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh. He delivered a talk on role of chloroplasts as environment sensors. He elaborated about the proteins produced under stress condition and clearly explained that stress condition leads to death. In addition, he explained the retrograde pathway in chloroplasts. His talk was very informative and clarified the doubts and questions raised by faculty and students. Students of undergraduate and post graduate benefitted from the talk. Dr. S. Anusuya, Association President proposed the vote of thanks and the meeting ended by 1.15 P.M.

J. Jain

Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirappalli - 620 002.

The screenshot displays a Google Meet session. The primary video feed is of Dr. S.R. Senthilkumar, a man with glasses and a blue shirt. To the right, a vertical list of participants is visible, each with a small profile picture and name. At the bottom of the Meet window, there are controls for muting, ending the call, and other functions. The bottom-most part of the image shows the Windows operating system's taskbar, including the search bar and several pinned application icons.

Meet - Mrs. Thanapackiam Robert Jeyachandran E...
meet.google.com/ghb-riro-rjq?authuser=0

IN CALL

- Dr. S. ANUSUYA (You)
- 18UBO101 ABRAHAM M...
- 18UBO106 THASHIMA JE...
- 18UBO114 RAGUL S
- 18UBO118 AALINE MAR...
- 18UBO125 GNANA DEE...
- 18UBO129 ARTHI NISHA A

People (88)

Mute all Add people Host controls

11:59 12-03-2021

Meet - Mrs. Thanapackiam Robert Jeyachandran E...
meet.google.com/ghb-riro-rjq?authuser=0

IN CALL

- Dr. S. ANUSUYA (You)
- 18UBO101 ABRAHAM M...
- 18UBO106 THASHIMA JE...
- 18UBO114 RAGUL S
- 18UBO125 GNANA DEE...
- 18UBO130 RENISH A
- 18UBO133 ELAKKIYA T

People (68)

Mute all Add people Host controls

12:46 12-03-2021

Acknowledgements

Prof. Chanhong Kim
Center for Excellence in Molecular Plant Sciences
Shanghai Center for Plant Stress Biology, CAS, China

Funding
CAS PIPI Post Doctoral Fellowship
NSFC Young Investigator Project

Director
CSIR-Institute of Himalayan Bioresource Technology, Palampur

Lab Members
Dipanshu, Sumanata, Twinkle and Akhil

Funding
Ramalingaswami Re-entry Fellowship
Department of Biotechnology