



Department of Botany

➤ Invitation

ST. MARY'S COLLEGE (AUTONOMOUS)
 [Re-accredited by NAAC with 'A+' Grade]
 Thoothukudi - 628 001
 Tamil Nadu, India



**INTERNATIONAL WEBINAR
 ON
 CLIMATE CHANGE AND FUTURE
 CHALLENGES**
 UNDER DBT STAR COLLEGE SCHEME 2021 - 2022



Sponsored by
**Department of Biotechnology
 Ministry of Science and Technology
 New Delhi**

30th - 31st March 2022

Organised by
**Marian Star Centre
 PG and Research Department of Botany**

Dear Sir/ Madam,

We cordially invite you to participate in Two Days International Webinar on Climate Change and Future Challenges - (CCFC, 2022) on 30th and 31st March 2022, organized by the Department of Botany, St. Mary's College (Autonomous), Thoothukudi, under Star College Scheme sponsored by the Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi.

about the College

St. Mary's College, a catholic institution of higher education for women, established in 1948 enjoys a heritage of 73 years as a Christian Minority institution. The college is re-accredited with 'A+' grade by NAAC in the fourth cycle. Affiliated to Manonmaniam Sundaranar University, Tirunelveli, the college offers graduate, post-graduate, M.Phil., and Ph.D., programmes in various disciplines. The college has attained Autonomous Status in the year 2018. Recognizing the great potential within the campus, the NAAC has accredited the institution with 'A+' grade in its fourth cycle. With the motto **DE VIVANT (Live by Faith)** the college has groomed generations of young men through its conscious efforts and has envisioned the vision of its founders by imparting value conscious integrated education to the young men ensuring their continual growth for more than seven decades.

about the department

The Department of Botany was established in the year 1957 with B.Sc. degree in Botany and became Post Graduate Department in the year 1972. M.Phil., programme was started in the year 1987 and was upgraded as research centre in the year 2000. It offers an unparalleled education to undergraduate and postgraduate students with horizontal mobility, interdisciplinary options, supplementary enrichment programmes under credit based credit system. The Department is actively engaged in research programmes in the frontiers of Botany like Environmental Biology, Plant diversity, Phytochemistry, Marine Macro Algal Resources, Nanotechnology & Bioinformatics.

about DBT STAR College Scheme

"Star College Scheme" has been initiated by the Department of Biotechnology (DBT) to support colleges offering undergraduate programmes to promote and facilitate science teaching. The scheme aims to improve the skills of the teachers by helping the institution to organize faculty development programmes, to offer improved curriculum keeping up with the current trends and to emphasize applied learning and practical training for students by providing access to specialized infrastructure and consumables. The scheme is formulated with an aim to enhance conceptual clarity, develop scientific thinking and creativity among students.

about the Webinar

Climate change and its related issues reported included droughts, floods, cyclones, severe storms, heat waves, wildfires, cold spells and landslides in recent past is the starting point in comprehending the current state of climate emergency. A recent Intergovernmental Panel on Climate Change (IPCC) report demonstrated that anthropogenic activities have caused about 1.1°C of global warming above the pre-industrial level and this is likely to rise to 1.5°C between 2030 and 2052 if the current emission rates persist. Scientific analysis on global greenhouse gas emissions from natural systems and anthropogenic activities stated that the earth's natural system is a self-regulating and any anthropogenic emissions could add extra pressure to the system.

There is a potential for developing synergies between climate change mitigation and adaptation has become a recent focus of both climate research and policy. The broad scope of this webinar **Climate Change and Future Challenges** will provide wide information on shrinking glaciers, change in precipitation, rise in sea level, shifting plant and animal ranges and accelerated heat waves. Eminent scientists and researchers will discuss on various scientific and environmental tools that can evolve changes and will deliberate on the need of political interventions and recommendations for long term sustainable management and sustainable ecosystem.

Registration Details

Registration Link: <https://forms.gle/KEob2jYn2cG8jBjD67>

App group link: <https://chat.whatsapp.com/CS1ohR72c7WA8sSQGZ7Wsc2>

Meeting Platform: Zoom

Meeting Link

Mar 3, 2022 10:00 a.m. India

Meeting Link: <https://us01zoom.us/j/9784709568>

Meeting ID: 978 470 9568

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PROGRAMME

Day 1: 30th March, 2022

Registration - 10.00 a.m. - 10.30 a.m.

Registration Address - Dr. M. Glory

Registration - Dr. Sr. A.S.J. Lucia Rose

Registration Address - 10.30 a.m. - 11.30 a.m.

Topic: Climate Change and Warming Planet

Source Person: Dr. Jayashree Venkatesan

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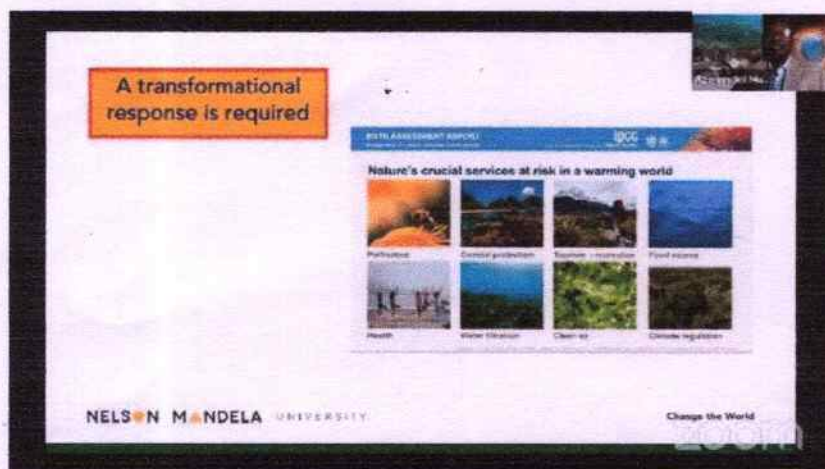
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Source Person: Dr. Jayashree Venkatesan



➤ Photos



➤ Certificate



➤ Report

International Webinar on Climate Change and Future Challenges 3.03.2022 to 4.03.2022

International Webinar on Climate Change and Future Challenges was organized by PG and Research Department of Botany, St. Mary's College (Autonomous), Thoothukudi, Tamil Nadu, India sponsored by Department of Biotechnology, Ministry of Science and Technology, New Delhi.

A total of 347 participants from India and abroad including faculty, research scholars and students from various institutions had registered for the webinar. The program commenced on 3rd March 2022 with prayer followed by welcome address by Dr. Glory, Associate Professor and Head, St. Mary's College (Autonomous), Thoothukudi. The event was felicitated by Dr. Sr. A.S.J. Lucia Rose, Principal, St. Mary's College (Autonomous), Thoothukudi. The keynote address on the topic Climate Change and Warming Planet was delivered by Dr. Jayshree Vencatesan, Managing Trustee, Care Earth Trust, Chennai. She urged the younger generation to take initiatives on managing climate change. Session I was chaired by Prof. Dr. Azwinndini Muronga, Executive Dean of Science, Nelson Mandela University, South Africa on The Harsh Realities of Climate Change. Session II on Climate Change and Energy Options for Sustainable Future was delivered by Dr. D.K. Srivastava, Homi Bhabha Chair Professor, National Institute of Advanced Studies, Indian Institute of Advanced Studies Campus Bengaluru
– 560 012, India.

Day 2, Session III on the topic Climate Change and Food Security Solution was delivered by Dr. Desigan Kumaran, Structural Biologist, Biology Department, Brookhaven National Laboratory, Upton, New York 11973, USA. His lecture made us realize how the basic requirements of human beings is also one among responsible for pollution. Prof. Dr. Sanjeet Mehariya, Department of Chemistry, KBC-huset (KBC), Umeå University, 901 87 Umeå, Sweden shared his knowledge for the session IV on the topic Algal Bio-refinery: Promising Approach For Minimizing Carbon FootPrint. His lecture gave deep insights of reducing atmospheric Co₂ into value added products. Participants shared their feedback during the feedback session. The Valedictory address was delivered by

Dr. Nambi Appadurai, Director, Climate Resilience Practice, WRI, India. His address on climate change urged the participants to take initiatives from home itself. Dr. Flora, Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi delivered the vote of thanks.

M. Glory
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B. Serena Margaret
IQAC Coordinator
IQAC Co-ordinator
St. Mary's College (Autonomous)
Thoothukudi

Luisa Rose
Principal
St. Mary's College (Autonomous)
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