

ANNAI VAILANKANNI ARTS AND SCIENCE COLLEGE, THANJAVUR

DEPARTMENT OF BOTANY

ANNUAL REPORTS 2019-2020

REPORT ON INTERNATIONAL WEBINAR: 21-07-2020

With the blessings of Annai Vailankanni Arts and Science College, Thanjavur Management, having constant encouragements of our department has conducted one day International webinar in order to enhance online learning skills of our faculties and students, the department of botany is hosting on the following schedule.

Resource person: Dr. B. Vijay Shankar, Marburg, Germany. **Time:** 11:00 AM to 1:15PM IST

About the speaker: He is a professionally qualified journalist, currently freelancing from Germany. I have seven years of experience reporting on science, health, environment, development, & their intersections & books across platforms for leading international outlets (E.g. The Lancet titles, New Scientist, & WHO Bulletin).

Topic: “CLIMATE CHANGE AND CARBON CAPTURE STRATEGIES”

Date: 21st July 2020.

Description: During this webinar, he shared the thoughts of his own projects like environmental survey, 3D printing technology. He also shared an idea about applying patent on the projects. He motivated the participants in the way of to improve thinking skills.

He presented videos about perseverance finally by referring Edison’s code “The most certain way to succeed is always to try just one more time”.

Program: For this Webinar, registration link using Zoom ID and password was created. The link was circulated among students and faculties of Botany, Chemistry, Biotechnology and Biochemistry departments. More than 77 participants in India, China, Sri Lanka, and South Africa both Teaching Faculty Members and Students have participated. At the beginning, Rev. Fr. Dr. S. Sebastian Periannan gave a presidential address and followed by Rev. Dr. Dr. S. Arockia Doss and Former Principal Dr.S.Suresh gave a blessing address. Dr. M. Bastin, HOD/Botany gave a welcome address to the participants and after the presentation Dr. S. Prabhu Asst Prof/Botany delivered the vote of thanks. From the WEBINAR, the participants had the opportunity to know about the carbon strategies to develop an innovative project using science and technology in addition to gained knowledge about present climate change.

WEBINAR POSTER:

DEPARTMENT OF BOTANY
ANNAI VAILANKANNI ARTS AND SCIENCE COLLEGE
(UGC RECOGNISED 2(F) & 12(B) INSTITUTION),
BISHOP SUNDARAM CAMPUS,
THANJAVUR - 613 007.

ORGANIZES ONE DAY INTERNATIONAL WEBINAR ON
"CLIMATE CHANGE AND CARBON CAPTURE STRATEGIES"

PATRONAGE
REV. FR. DR. S. SEBASTIAN PERIANNAN, SECRETARY AND CORRESPONDENT
REV. FR. DR. S. AROCKIA DOSS, ADMINISTRATOR
DR. S. SURESH, PRINCIPAL

RESOURCE PERSON
DR. B. VIJAY SHANKAR, PH.D
SCIENCE JOURNALIST & PODCASTER
MARBURG, GERMANY

Organizing secretary
Dr. B. Bastin

Plat form: Join Zoom Meeting website:
<https://us04web.zoom.us/j/4096457216?pwd=MHdnbVF6MGZ6Szl5bThaDFMNGZTd09>

DATE: 21.07.2020
TIME: 11.00 AM IST

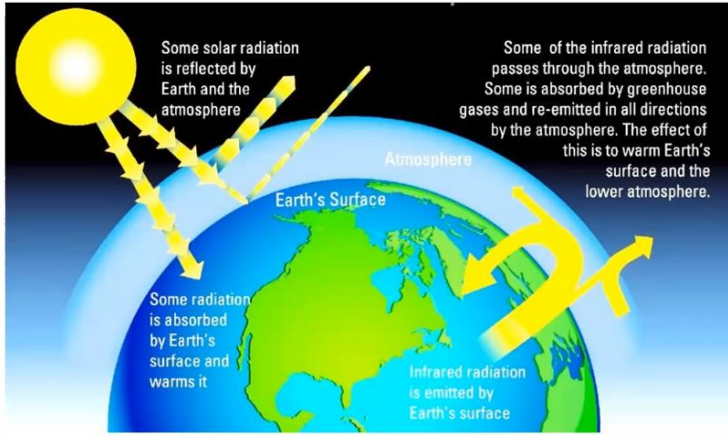
Meeting ID: 409 645 7216
Pass code: xZGe2x

INTERNATIONAL WEBINAR PRESENTATION ON 21ST JULY 2020

SHOT-I



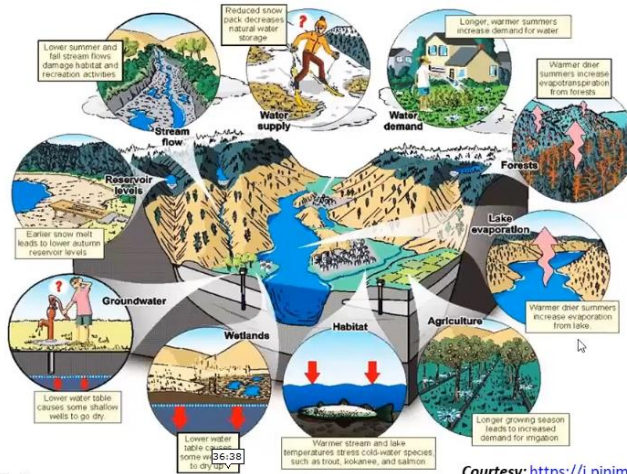
Greenhouse effect



28:34 Courtesy: change-climate.com



Why should we care?



Courtesy: <https://i.pining.com/>



THE 10 ENERGY SOURCES

RENEWABLE	NONRENEWABLE
<p>BIOGAS Burning trash, manure, or other organic matter produces biogas. It can be used for cooking or generating electricity.</p>	<p>COAL Coal has formed millions of years ago from dead plants and animals. It is burned to generate electricity.</p>
<p>GEOTHERMAL Heat from the Earth's interior is used to generate electricity. Geothermal energy is also used for heating and cooling buildings.</p>	<p>NATURAL GAS Natural gas is a mixture of gases that can be used for heating, cooking, and generating electricity.</p>
<p>HYDROPOWER The flow of water in rivers and streams is used to generate electricity. Hydropower is also used for irrigation and flood control.</p>	<p>PETROLEUM Petroleum is a liquid fossil fuel that is used for heating, cooking, and generating electricity.</p>
<p>SOLAR The sun's energy is used to generate electricity. Solar energy is also used for heating and cooling buildings.</p>	<p>PROFANE Profane is a type of energy that is used for heating, cooking, and generating electricity.</p>
<p>WIND The wind's energy is used to generate electricity. Wind energy is also used for heating and cooling buildings.</p>	<p>NUCLEAR Nuclear energy is used to generate electricity. Nuclear energy is also used for heating and cooling buildings.</p>

THE ECO-FRIENDLY ALPHABET

A Avoid single-use plastic water bottles, coffee cups, and fast-food containers.	B Bike to work.	C Compost.	D Donate extra food & clothes.
E Eat local.	F Fix things instead of replacing them.	G Grow your own vegetables.	H Hang clothes to air dry.
I Incorporate water-saving devices like low-flow toilets and showerheads.	J Join a community garden.	K Keep your car well-maintained.	L Limit your use of paper.
L Limit your use of paper.	M Plant milkweed for monarch butterflies.	N Use natural cleaning products.	O Buy organic produce.
P Protect pollinators by avoiding pesticides.	Q Quit one plastic water bottle a day.	R Recycle.	S Support organic farmers.
S Shop second-hand.	T Take reusable totes for your grocery shopping.	U Use a mesh barrel for your coffee.	V Volunteer for an environmental non-profit.
X Limit your use of plastic.	Y Bring your own reusable cup to the coffee shop.	Z Zip your trash into a recycling bin.	WORK TOGETHER TOWARDS A more vibrant future.



QUIZ REPORT-I: 25-05-2020

TITLE OF THE WEBINAR: "THE FASCINATING WORLD OF SCIENCE-2020"

With the blessings of Rev.Fr.Dr.S.Sebastian Periannan, Correspondent and Secretary of AVASC, Rev.Fr.Dr.S.Arockiadoss, Administrator, Dr.S.Suresh, Former Principal, we have conducted one day Online E-QUIZ in the title of "THE FASCINATING WORLD OF SCIENCE-2020"organised by Department of Botany, Annai Vailankanni Arts and Science College(AVASC), Bishop Sundaram Campus, Pudhukottai Road, Thanjavur. More than 55 participants have attended in this online e-quiz and all of them got it free e-certificate. This quiz program has useful for higher secondary school students to getting awareness about biological world.



THE FASCINATING WORLD OF SCIENCE- 2020.

Organised by Department of Botany,
Annai Vailankanni Arts and Science College,
Bishop Sundaram Campus, Pudukkottai Road, Thanjavur - 613007
(UGC Recognised 2(F) & 12 (B) Institution) Affiliated to Bharathidasan University, Tiruchirappalli,
Tamil Nadu, India.

QUIZ REPORT-II: 25-05-2020

TITLE OF THE WEBINAR: "BIO-QUIZ-2020 COMPETITION FOR "BIOLOGICAL SCIENCES"

Description: The COVID-19 lockdown which gives us lot of opportunities to improve our skills and knowledge through online digital access for an online academic activity. This Bio-Quiz was organised by Department of Botany, Annai Vailankanni Arts and Science College(AVASC), Bishop Sundaram Campus, Pudhukottai Road, Thanjavur. With the blessings from our Founder,

Most Rev. Dr. M. DEVADASS AMBROSE, D.D., Bishop of Thanjavur. Rev.Fr.Dr.S.Sebastian Periannan, Correspondent and Secretary of AVASC, Rev.Fr.Dr. S. Arockiadoss, Administrator, Dr. S. Suresh, Principal and Faculty Members of Department of Botany to conducted this online e-quiz. The quiz has been takes place on higher level objective type model question for staff and students of various colleges in Tamil Nadu. All of them got it free e-certificate after attempted quiz program to getting minimum marks 50%. This type of questionnaire quiz will lead to success in TNPSC, Bank exam, Preliminary exam and etc.

EDUCATIONAL TOUR ON 07.03.2020

Staff and students of Botany department, Annai Vailankanni Arts and Scinece College, Thanjavur-07, have visited **two day educational tour to Kovilpatti Kurumalai reserve forest region, Courtallam hill region, Viridhu Nagar district on 07.03.2022**. We trucked to visit the Kurumalai reserve forest on 07.03.2020 with a batch of 40 students and a forest ranger Mr. Sivaram, along with three forest guards. On the field trip, the students have learned more about species richness, endangered, and endemic species of plants. Mr. Sivaram, a Krumalai forest ranger, assisted in visiting various places of hills station, species of medicinal plants and reporting ethnomedicinal uses of those forest plants.

