



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR (M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT

DEPARTMENT OF ZOOLOGY

The Department of Zoology organized a Webinar on the topic "Effect of climate change on lower marine organisms and their response to combat." On Saturday, September 23, 2023, the speaker was Dr. Kesav Priyan Ramsamy, Senior Research Engineer, Department of Ecology and Environmental Sciences, Umeå University, Sweden. Total number of students participated in this webinar was 61 (UG + PG Students).

Energy transfer in ecosystem
Primary source of energy: Sunlight.
Primary producers or autotrophs: Gain energy from sunlight, requires nutrients N, P, S.
Examples: Phytoplankton, Algae

Ocean Food Chain

Types of phytoplankton

Primary consumers:
Zooplankton, small fish, shrimps, sea urchins, some snails, some crabs, green sea turtle, herbivorous fish, whales

Secondary consumers:
Carnivorous fish, seals, sea stars, whales, squid, some crabs, lobsters

Tertiary consumers:
Dolphins, sharks, killer whales, some sea birds.

The slide also includes a diagram of the ocean food chain showing energy flow from the sun to producers, then to various levels of consumers.

Climate change

- Climate change refers to long-term shifts in temperatures and weather patterns.
- In other term "it is the ongoing increase in global average temperature and its effects on Earth & climate system"
- Concept of climate change raised from 1800.

The slide features an image of the Earth and a diagram showing the greenhouse effect with arrows indicating heat being trapped by the atmosphere.



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Meet - Webinar on "Effect of climate change" x

meet.google.com/zxz-ozpq-gew?authuser=1

Kesava Priyan (Presenting)

How increase in temperature affects corals

- Corals are sessile. Class Anthozoa of the phylum Cnidaria.
- Made up of hundreds to thousands of tiny coral creatures called polyps.
- Zooxanthellae

CORAL BLEACHING

CORAL REEFS

+1.5°C +2°C

Coral bleaching in Great barrier reef, Australia.

Kesava Priyan

Dr. Priyanka Sinha

prabha singh Namrata Sh... Priyanka Te... Naina Singh 39 others

1:21 PM | Webinar on "Effect of climat..."

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ENG IN 13:21 23-09-2023

Meet - zxz-ozpq-gew x

meet.google.com/zxz-ozpq-gew?authuser=0&pli=1

Kesava Priyan (Presenting)

Ph.D. University of Camerino, Italy

Environmental stress response of *Euplotes foveolatus* and bacterial consortium

METABLE-EU H2020

Participations are from

- University of Milan, Italy
- Epigenetics, Turkey
- University of Cambridge, UK
- COMAPS, Pakistan
- BMR Genomics, Italy
- Elviesys SAS, France

Postdoc- Nanyang Technological University, Singapore

Interactions of pathogenic bacteria and protists

Postdoc- Tallinn University of Technology, Estonia

Haptophyte diversity from Baltic Sea

Senior Researcher- Umea University, Sweden

Bacterial adaptation to climate change

University of Camerino

NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

TALLINN UNIVERSITY OF TECHNOLOGY

Kesava Priyan

zoology lab priyanshi pandey prabha singh Naina Singh Priyanka Tekam Namrata Sharma 35 others Dr. Priyanka Sinha

00:33 | zxz-ozpq-gew

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30°C Mostly cloudy

12:33 AM 9/23/2023

GLIMPSES OF THE EVENT



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BROCHURE



ST. ALOYSIUS' COLLEGE (AUTONOMOUS) JABALPUR,
(MADHYA PRADESH), INDIA
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COLLEGE WITH POTENTIAL FOR EXCELLENCE BY UGC
DST-FIST SUPPORTED & STAR COLLEGE SCHEME BY DBT

WEBINAR ON

Topic : Effect of Climate change on lower marine organisms and their response to combat.

Organized by Dept.of Zoology

Date : 23rd September 2023
Starting Time 1:00 pm

Speaker

Dr. KESAVA PRIYAN RAMASAMY
Senior Research Engineer
Department of Ecology &
Environmental Sciences
Umeå University, Sweden



Webinar on "Effect of climate change on lower marine organisms and their response to combat"

Saturday, September 23rd from 1 pm Onwards.

Google Meet joining info

Video call

link: <https://meet.google.com/zxz-ozpq-gew>

Organizing Committee

Chief Patron _____
Rev.Dr. G.Vazhan Arasu
Principal

Patron _____
Dr. Anjali D'Souza
Vice Principal (Academics)

Convenor _____
Dr. Priyanka Sinha
Head Dept.of Zoology

Organizing Secretary

Dr.Runu Paul
Dr. Daya Shankar Gautam
Dr.Manju Dixit
Dr. Megha Tiwari



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LIST OF THE PARTICIPANTS

S.NO.	NAME OF THE STUDENTS	CLASS
1.	Priyanka Sahu	B.Sc I SEM
2.	Yash Agrawal	B.Sc I SEM
3.	Janvi Singh	B.Sc I SEM
4.	Ishita Nema	B.Sc I SEM
5.	Naina Singh	B.Sc I SEM
6.	Amrata Khare	B.Sc I SEM
7.	Mohit Negi	B.Sc I SEM
8.	Varnika Gupta	B.Sc I SEM
9.	Aastha Shrivastava	B.Sc I SEM
10.	Khushi Singh Rajput	B.Sc I SEM
11.	Jasmine Joseph	B.Sc I SEM
12.	Soumya Namdeo	B.Sc I SEM
13.	Reshma Maravi	B.Sc I SEM
14.	Raksha Yadav	B.Sc I SEM
15.	Stuti Pandey	B.Sc I SEM
16.	Jaya Pandey	B.Sc I SEM
17.	Anisha Banerjee	B.Sc I SEM
18.	Maidini Sharma	B.Sc I SEM
19.	Jeniffer Nadar	B.Sc I SEM
20.	Sarandeep Kaur	B.Sc I SEM
21.	Kiran	B.Sc I SEM
22.	Saumya Garg	B.Sc I SEM
23.	Sakshi Juneja	B.Sc I SEM
24.	Adarsh Kashyap	B.Sc I SEM
25.	Muieen Khan	B.Sc I SEM
26.	Srishti Mishra	B.Sc III Sem
27.	Ankita Tripathi	B.Sc III Sem
28.	Gredy Tirkey	B.Sc III Sem
29.	Anjali Patel	B.Sc III Sem
30.	Sunakshi Sharma	B.Sc III Sem
31.	Parii Manchanda	B.Sc III Sem
32.	Harshita Kourav	B.Sc III Sem
33.	Kanchan	B.Sc III Sem
34.	Prabhat Singh	B.Sc III Sem
35.	Aniket Chaturvedi	B.Sc III Sem
36.	Priya Sahu	B.Sc III Sem
37.	Priyanshi Pandey	B.Sc III Year



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38.	Surabhi Saha	B.Sc III Year
39.	Charchita Shoyam	B.Sc III Year
40.	Priyanka Yadav	B.Sc III Year
41.	Muskan Gupta	B.Sc III Year
42.	Devv Singh Chouhan	B.Sc III Year
43.	Aditi Bawaria	B.Sc III Year
44.	Priyanka Tekam	M.Sc I Sem
45.	Sana Firdouse	M.Sc I Sem
46.	Shalini Uikey	M.Sc I Sem
47.	Rubee Tirkey	M.Sc I Sem
48.	Rishika Singh	M.Sc I Sem
49.	Shreya Tiwari	M.Sc I Sem
50.	Koushita	M.Sc I Sem
51.	Isha Sambath	M.Sc III Sem
52.	Madhumita Shoyam	M.Sc III Sem
53.	Ankita Kispotta	M.Sc III Sem
54.	Pratibha Patel	M.Sc III Sem
55.	Soni Yadav	M.Sc III Sem
56.	Sonalika Sidar	M.Sc III Sem
57.	Mamta Kumari	M.Sc III Sem
58.	Neha Singh	M.Sc III Sem
59.	Shruti Agrawal	M.Sc III Sem
60.	Rajmani Jhariya	M.Sc III Sem
61.	Ganga Patta	M.Sc III Sem

Poisoning

HEAD
Department of Zoology
St. Aloysius Autonomous College
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