



**S196**

## **Report**

### **Academic Year 2020-2021**

**Name of the Event: International Webinar Series on “Recent Trends in Biological Sciences”**

**Date: 9<sup>th</sup> and 29<sup>th</sup> September 2020**

**Time: 8.30 am to 11.00 am**

**Platform: Google Meet. Code: <http://meet.google.com/zhi-ptcz-edv>**

**Organized by: Department of Botany & Zoology, Vimala College**

**Collaboration (if any): Department of Biotechnology, Delhi**

**No. of participants: 139**

An international webinar series on “Recent Trends in Biological Sciences” was organized by the Department of Botany and Zoology, on 09.09.2020 and on 29.09.2020, under the financial assistance from DBT, STAR College Scheme (Department of Biotechnology, Ministry of Science and Technology, Govt of India). The webinars were conducted virtually through Google meet. The programmes were coordinated by Dr.Sr.Silvy Mathew (DBT Star College Scheme and Assistant Professor, Dept. of Botany, Vimala College) and Dr Honey Sebastian (Head of the Department of Zoology). On 9<sup>th</sup> September 2020 the programme started off with the welcome speech by Helna Nixon and Heera Babu (Student coordinators). The webinar was lead by the resource person, Dr Clay Carlson (Professor of Biology, Trinity Christian College, Palos Heights, Illinois). It was a 1 1/2 hours session and there were 139 participants. The talk was about human microbiota and its effects on different organs of the body. He also talked about the effect of gut microbiota in brain. It was an explanatory and informative session, where students interacted, asked questions and cleared their doubts. The vote of thanks was delivered by Anjali Rajendran (Student coordinator). The programme was ended by a concluding speech by Dr Sr Beena Jose (Principal, Vimala College).

On 29<sup>th</sup> September 2020 the programme kicked off with the welcome speech by Dr Honey Sebastian (Head of the Department of Zoology). The webinar was led by the Resource person Dr



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Sachin Rustgi (Assistant Professor of Molecular Breeding, Department of Plant and Environmental Science, Clemson University, US). It was a 1 1/2 hours session and there were 139 participants. The talk was about his research work on celiac disease and sustainable breeding programs. It was very informative and interactive session. The vote of thanks was delivered by Sandra S N (Student coordinator). The programme was ended by a concluding speech by Dr Sr Silvy Mathew (DBT Star College Scheme and Assistant Professor, Dept. of Botany, Vimala College)

### Brochure

**Vimala College (Autonomous) Thrissur**

International Webinar series on  
**Recent Trends in Biological Sciences**  
By Department of Botany & Zoology  
Vimala College (Autonomous), Thrissur  
Topic: **Brains, Bacteria, and miRNA: Beneficial bacteria and the gut-brain-microbiota axis** Resource Person

**SEP 09 8.30 am**

Link for registration :  
<https://forms.gle/RCLWuh3ZJj79nG327>

Funded by  
**DBT STAR College Scheme**  
**Department of Biotechnology**  
**Ministry of Science & Technology,**  
**Government of India**

**Dr. Clay Carlson**  
Professor of Biology  
Trinity Christian College  
Palos Heights, Illinois



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### DBT

Department of Biotechnology (DBT) under the Ministry of Science and Technology, over the past 30 years, has given a new impetus to the developments in modern biology and biotechnology. The Department of Biotechnology has been supporting undergraduate science education in the country under "Star College Scheme" and there has been considerable change in the scenario of basic science education

### Star College Scheme

Star College Scheme has been initiated by DBT in 2008 to support colleges and universities offering undergraduate education to improve science teaching across the country. DBT is committed to the values of i) Pursuit of excellence ii) Academic and intellectual freedom iii) Creativity and innovation iv) Diversity v) Cooperation and Communication & vi) accountability. DBT has therefore, launched a scheme for improving critical thinking and 'hands on' experimental work at undergraduate (college) level in sciences. It is expected to encourage, more students to take up higher education in science.



**SEP  
29**



**9.00  
am**

**Topic : "Novel strategies to develop crops and management strategies to meet the growing demand for food and fiber"**

Link for registration :

<https://forms.gle/RCLWuh3ZJj79nG327>

*E- Certificates will be issued to the participants after filling up the Feedback form*

**Dr.Sr.Beena Jose**  
Principal

**Resource Person**

*For Contact:*

**Dr. Silvy Mathew**

**Dr.Honey Sebastian** (Head, Dept.of Zoology)  
Coordinators

### Organizing Committee

**Dr.Sheeja T Tharakan** (Head, Dept. of Botany)

**Ms Smitha PS**

**Dr.Manju Madhavan**

**Dr Petrisia Joseph**

**Dr Feebarani John**

**Dr Sheeba P**

**Sr Freny Jacob**

### Student Organizers

**Heera Babu**

**Helna Nixon**

**Anjali Rajendran**

**Sandra SN**



**Dr. Sachin Rustgi**

Assistant Professor of  
Molecular Breeding  
Department of Plant and  
Environmental Sciences,  
Clemson University



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## Photos

Talk by Dr Clay Carlson (Professor of Biology, Trinity Christian College, Palos Heights, Illinois)



*Assessment Period (2016 – 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

**Talk by Dr. Sachin Rustgi**, Assistant Professor of Molecular Breeding, Department of Plant and Environmental Sciences, Clemson University.

The first screenshot displays a presentation titled "Wheat pollen magnetofection". It includes several images: wheat plants, pollen grains, and a diagram of the magnetofection process. The second screenshot shows a presentation titled "Barley DEMETER gene editing using TALEN". It features a diagram of the TALEN system, a sequence alignment, and a list of participants. The third screenshot shows the Zoom meeting interface with participants and a chat window.

*Assessment Period (2016 – 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### List of Participants

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*Assessment Period (2016 - 2021)*



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*Assessment Period (2016 - 2021)*



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*Assessment Period (2016 - 2021)*



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