



# SRI VENKATESWARA COLLEGE OF ENGINEERING

(An Autonomous Institution – Affiliated to Anna University, Chennai)  
Sriperumbudur Tk – 602 117, Tamil Nadu



**Department of Biotechnology**

&  
**BioAcademy**



Solicit your esteemed presence for a Guest Lecture  
on

## “Preeclampsia: An Introduction towards a Pregnancy related Hypertensive Disorder”

by



**Dr. DEEPAK VENKATARAMAN**

Postdoctoral Researcher

Division of Pharmacy and Optometry

University of Manchester

United Kingdom

**ALL ARE CORDIALLY INVITED**

Venue : **Google Meet** (<https://meet.google.com/uic-phww-zdt>)

Date : **10<sup>th</sup> September 2022 (Saturday)**

Time : **02:30 to 03:30 PM (IST)**

**Conveners**

Prof. M. Sivanandham  
Secretary, SVEHT  
Prof. E. Nakkeeran  
HOD-BIO

**Organizing Secretary**

Dr. G. Karthiga Devi  
AP-BIO

**Coordinator**

Dr. K. Ganesh Prasath  
AP-BIO





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## Department of Biotechnology

### Report of the Guest Lecture on "Preeclampsia: An Introduction towards a Pregnancy related Hypertensive Disorder"

10<sup>th</sup> September 2022

A guest lecture on "**Preeclampsia: An Introduction towards a Pregnancy related Hypertensive Disorder**" was organized by Department of Biotechnology, Sri Venkateswara College of Engineering, Sriperumbudur on 10<sup>th</sup> September 2022 (02.30 to 03.30 PM IST) through Virtual mode. The guest lecture was conducted by Dr. K. Ganesh Prasath, Assistant Professor, Biotechnology with Dr. G. Karthigadevi, Assistant Professor, Department of Biotechnology as Organizing Secretary and Prof. M. Sivanandham, Secretary, SVEHT and Prof. E. Nakkeeran, Head of the Department, Biotechnology as Convener.

The session was started with a welcome address by Mr. S. Sakthivel, III Year, B. Tech Biotechnology, was introduced the guest speaker **Dr. Deepak Venkataraman, Postdoctoral Researcher, Division of Pharmacy and Optometry, University of Manchester, United Kingdom**. The main objective of the Guest Lecture was to provide the impact of preeclampsia during pregnancy that leads to hypertensive disorder.

Participants including UG, PG students and the faculty members from SVCE attended the event with a total of 60. Dr. Deepak Venkataraman discussed the mechanism of preeclampsia and current diagnosis linked to decidualization and treatment strategies. The discussion was also included the impact of hypertensive disorder in pregnant woman and the post-pregnancy. The lecture was followed by an interactive session and the guest speaker addressed the questions raised by the participants.

The session was concluded with a vote of thanks delivered by Mr. S. Sakthivel. The Guest speaker, Dr. Deepak Venkataraman thanked the organizers and the management of SVCE for organizing this event.



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**Snapshots of the Guest Lecture on "Preeclampsia: An Introduction towards a Pregnancy related Hypertensive Disorder"**

**10<sup>th</sup> September 2022**

Dr. V. Deepak BIO-STAFF is presenting

**Preeclampsia: An Introduction towards a Pregnancy related Hypertensive Disorder**

Deepak Venkataraman  
Postdoctoral Research Associate  
University of Manchester  
Manchester, UK

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2:37 PM | uic-phww-zdt

Dr. V. Deepak BIO-STAFF is presenting

**Current diagnosis strategies**

Method Long used		Using sFit1 alone		Using sFit1/PIGF	
BP	value	sFit1 (pg/ml)	value	sFit1/PIGF	value
Normal	NT	<4000	NT	<38	NT
>140/90mmHg (6 hrs)	PE	>15000	PE	>85	PE
Treatment	Immediate Delivery	4000-15000	Inconclusive	38-85	Inconclusive

PE is advanced      PE prediction is good      PE prediction is better than sFit1 alone

Lacuna – Classification of intermediary levels as NT or PE

2:46 PM | uic-phww-zdt

Prepared by

**Dr. K. Ganesh Prasath, AP/BIO**

Approved by

**Prof. E. Nakkeeran, HOD, BIO**

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