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Campus: Green Fields, Vaddeswaram - 522 502, Guntur District, Andhra Pradesh, INDIA.
Phone No. 0863 - 2399999; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in
Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 -2577715, Fax: +91-866-2577717.

Ref: KLEF/RO/Virtual Seminar/2018-19 Date: 09-02-2020

Orders of the Hon'ble Vice-Chancellor

CIRCULAR

Sub: Guest Lecture by **Prof. Clary Clish** from **Massachusetts Institute of Technology** on 12-02-2020 for UG students - Communication – Reg.

Ref: Mail from **Dr. Giridhar Kanuri, HOD**, Department of Biotechnology, KLEF.

***

This is to inform that an opportunity is given for students to gain knowledge on How LC-MS is Revolutionizing Metabolomics Research.

Programme details:

Date - 12.02.2020
Time - 3.30 PM - 05.00 PM

All the students of Biotechnology students are invited to participate in the Guest lecture.

Copy to
All students by mail

BT Faculty by mail

REGISTRAR

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MICROBIOLOGISTS SOCIETY, INDIA STUDENT CHAPTER,
Department of Biotechnology,
KLEF, Vaddeswaram, Guntur, Andhra Pradesh

From Bench to Breakthrough: How LC-MS is Revolutionizing Metabolomics Research

(Virtual Seminar)

Name of Event: From Bench to Breakthrough: How LC-MS is Revolutionizing Metabolomics Research

Venue: Rose Hall

Date: 12/02/2020; Time: 3:30 PM to 5 PM

No. of students Participated: 20 (Offline) + 140 (Online)

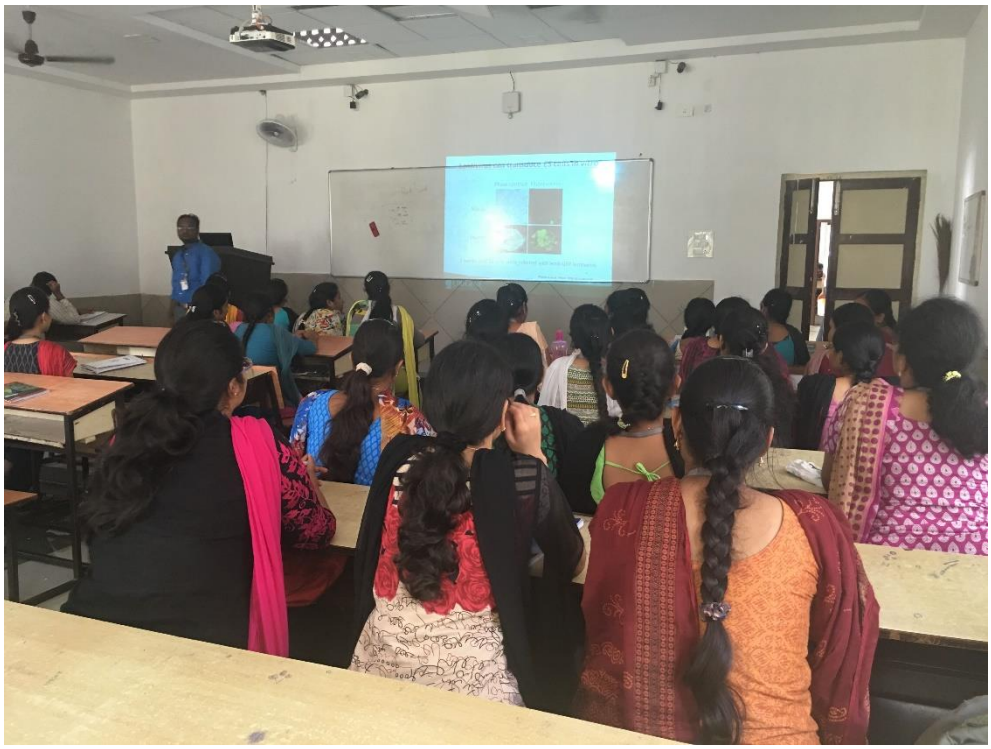
Objective of the event:

The day is a chance to promote and educate LC MS Based Metabolomics.

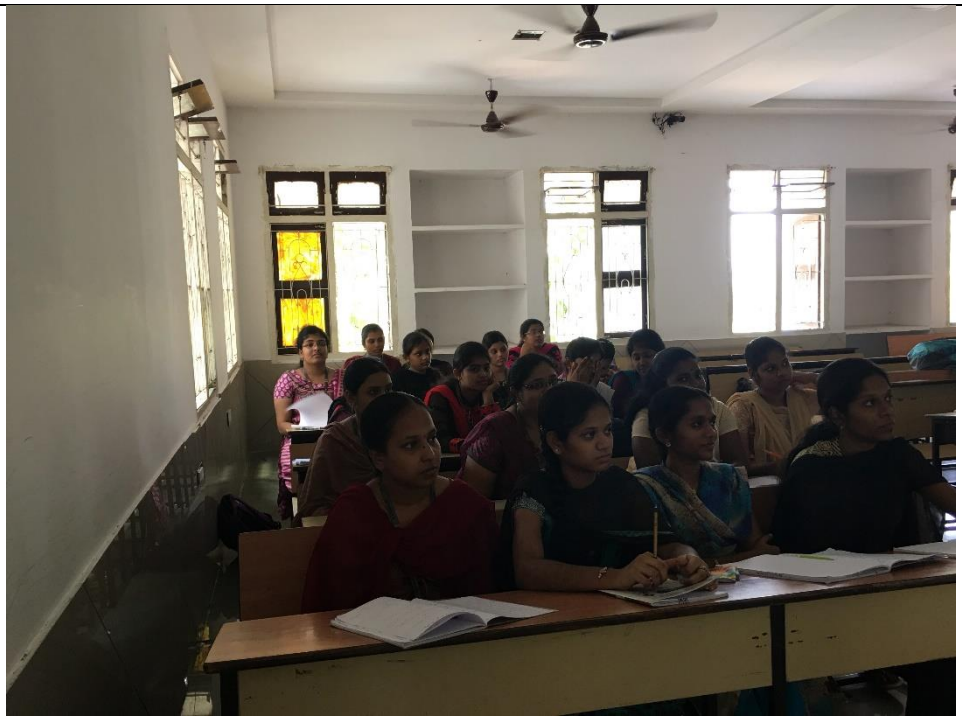
Description of the event: A webinar by **Prof. Clary Clish** from **Massachusetts Institute of Technology**, USA on 1**2-FEB-2020** was conducted in the **C506** classroom for the benefit of third year B. Tech. students and scholars of the department. The webinar was entitled **"LC MS Based Metabolomics"**. The session started with discussion on the various steps involved in liquid chromatography and mass spectrometry. Metabolomics aims at identification and quantitation of small molecules involved in metabolic reactions. LC-MS has enjoyed a growing popularity as the platform for metabolomic studies due to its high throughput, soft ionization, and good coverage of metabolites. The success of a LC-MS-based metabolomic study often depends on multiple experimental, analytical, and computational steps. This webinar presents a workflow of a typical LC-MS-based metabolomic analysis for identification and quantitation of metabolites indicative of

biological/environmental perturbations. Challenges and current solutions in each step of the workflow are reviewed.

The webinar has covered introduction to metabolomics and LC-MS. It also focussed on the challenges to measure the metabolome. Prof. Clish mainly discussed about LC-MS metabolomics workflow i.e., preparation of LC-MS samples, sample collection and storage and LC-MS measurements and quality monitoring. The webinar was very well received by the students and scholars of the department, as they listened with rapt attention and posed thought provoking questions in the end, to the course coordinator.



Prof. Clary Clish from **Massachusetts Institute of Technology**, **USA delivering the webinar**



Students following the webinar with complete attention

PARTICIPANTS LIST

S.NO	UNIVESITY ID	NAME OF THE STUDENT	SIGNATURE
1	170010146	GADDAM SAMHITHA REDDY	
2	170010145	KARAMPURI ANUSH	
3	170010144	DUDEKULA SHAHEENA	
4	170010143	LAVANURU ASHLESHA REDDY	
5	170010142	YANAMALA NAVYA SRI SARASWATHI DEVI	
6	170010141	KETHA SAI PAVITHRA	
7	170010140	JYOTHULA PADMA LAKSHMI SOWMYA	
8	170010139	NERELLA DHEERAJ VENKAT SAI	
9	170010137	RAMYA NELAKUDITI	
10	170010136	RUDRA ARCHANA	
11	170010135	MIRIYALA YAMINI	
12	170010134	MEESALA MAHALAKSHMI	
13	170010133	KARYAMSETTY KAMALA VASANTHI	
14	170010132	HARISOMAYAJULA VALLI	
15	170010131	BOPPA HARITHA	
16	170010130	VATTIPALLI MEGHANA	
17	170010129	THOTA TRISHANTHI	
18	170010128	RAMAGANI VAISHNAVI	
19	170010127	PADAMATA HARSHA VARDHAN	
20	170010126	MUPPANENI SAI SAHITHI	

Head
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