



## Koneru Lakshmaiah Education Foundation

(Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' Grade University ♦ Approved by AICTE ♦ ISO 9001-2015 Certified

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

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Ref: KLEF/RO/ PHARMACY/2019-2020

Date: 23-07-2019

### Orders of the Vice-Chancellor dt.23.07.2019

#### CIRCULAR

**Sub: Organizing of webinar titled "Advanced pharmaceutical analytical techniques" Reg.**

**Ref: Letter dated 23.07.2019 from Dr. G. Chakravarthi, Principal, KLEF College of Pharmacy.**

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This is to inform that KLEF College of Pharmacy in association with MYBO Group is organizing a webinar titled "Advanced pharmaceutical analytical techniques" in the field of pharmaceutical science, from 3.00 p.m. to 4.00 p.m. on 25-7-2019. The objective of the above webinar is to know more about the advancement in different pharmaceutical analytical techniques that are beneficial for both students of Pharmacy and faculty members.

The resource person, Dr. WJ Lough, Reader in Pharmaceutical Analysis, University of Sunderland, United Kingdom, has vast experience in the separation science and different analytical methodologies used in pharmaceutical analysis.

Poster of the webinar is attached herewith and the Registration link is given below.

**Registration Link: <https://forms.gle/Q6pdfrTLVfz4gypy9>.**

For any queries on webinar, Dr. G. Chakravarthi, Principal, KLEF College of Pharmacy, e-mail id: [chakra\\_varthi123@kluniversity.in](mailto:chakra_varthi123@kluniversity.in) Mobile No. 8464933444 can be contacted

(Dr.R.R.L. KANTHAM)

Registrar

**REGISTRAR**

## Invitation & Poster

**K L College of Pharmacy**  
**KLEF Deemed to be University**  
in association with  
**Mybo Group**

**INTERNATIONAL WEBINAR**  
on  
**Advanced Pharmaceutical Analytical Techniques**

International Esteemed Speaker  
**Dr. W. John Lough**  
Reader in Pharm. Analysis  
The University of Sunderland,  
United Kingdom.

[www.kluniversity.in](#)

E-certificates will be issued to all registered participants

Free Registration Link

<https://forms.gle/Q6pdfrTLVfz4gypy9>

or visit [www.mybogroup.com](http://www.mybogroup.com)

### Organizing Committee

#### Convener

Dr. G. Chakravarthi

Co-Convener

Dr. K. Umasankar

#### Organizing Secretary

Dr. GSN Koteswara Rao

Programme Co-ordinator

Dr. A. Rajasekhar Reddy

[www.kluniversity.in](http://www.kluniversity.in)



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# **INTERNATIONAL WEBINAR ON ADVANCED PHARMACEUTICAL ANALYTICAL TECHNIQUES**

**Date** : 25/07/2019  
**Time** : 03:00 P.M to 4:00 P.M  
**Mode** : Online

## **OBJECTIVES**

The objective of the webinar titled "Advanced Pharmaceutical Analytical Techniques," co-hosted by KL College of Pharmacy and MYBO Group was to equip both pharmacy students and faculty members with a comprehensive understanding of the latest advancements in pharmaceutical analytical techniques, highlighting their significance in pharmaceutical processes, research & development (R&D), and their specific relevance to academic pursuits.

## **DESCRIPTION**

KL College of Pharmacy, in collaboration with MYBO Group, hosted a compelling webinar titled "Advanced Pharmaceutical Analytical Techniques" within the realm of pharmaceutical science. Scheduled from 3:00 p.m. to 4:00 p.m. on July 25, 2019, the webinar aimed to delve into the latest advancements in various pharmaceutical analytical techniques, catering to the interests of both pharmacy students and faculty members alike. Dr. WJ Lough, a distinguished figure in pharmaceutical analysis and a Reader at the University of Sunderland, United Kingdom, served as the resource person. With extensive experience in separation science and various analytical methodologies pertinent to pharmaceutical analysis, Dr. Lough delivered an insightful lecture on a wide array of topics. These included discussions on the significance of

advanced pharmaceutical analytical techniques, their role in supporting processes, their importance in pharmaceutical research and development, and their implications for students pursuing Pharmacy/Science degrees.

The lecture also covered advanced topics such as HPLC (High-Performance Liquid Chromatography), modern chromatography techniques, the utilization of small particles, the introduction of UHPLC (Ultra-High-Performance Liquid Chromatography) systems, and specific case studies involving pharmaceutical compounds like paroxetine and amphetamine.

Moreover, Dr. Lough elucidated on significant references such as the British Pharmacopeia and highlighted emerging trends in the field, such as early chiral selectors, chiral stationary phases, polysaccharides, and the involvement of leading pharmaceutical companies like Welco and Pfizer. Overall, the webinar provided a comprehensive understanding of cutting-edge analytical techniques in pharmaceutical science, contributing significantly to the knowledge enhancement of the participants.

## **OUTCOMES**

Dr. WJ Lough's insightful lecture, delivered in the KL College of Pharmacy and MYBO Group's webinar on "Advanced Pharmaceutical Analytical Techniques," explored the significance of analytical techniques in pharmaceutical processes, research & development (R&D), and their specific value for Pharmacy students. Participants gained a deeper understanding of cutting-edge technologies like UHPLC (Ultra-High-Performance Liquid Chromatography) and small particle chromatography through real-world examples involving compounds like paroxetine and amphetamine. Dr. Lough also shed light on crucial references like the British Pharmacopeia and emerging trends such as early chiral selectors and polysaccharides. Highlighting the involvement of industry giants like Welco and Pfizer provided valuable context to the discussions. Overall, the webinar equipped participants with a comprehensive understanding of the evolving landscape of pharmaceutical analytical techniques, significantly enhancing their knowledge base.

## PHOTOS

The image is a screenshot of a webinar presentation. On the left side, there is a small video feed of Dr. John Lough, an older man with glasses wearing a white lab coat and a headset. Below his video feed is a green name tag that reads "Dr. John Lough". The main part of the slide is white with a light orange rectangular box containing the title "ADVANCED PHARMACEUTICAL ANALYTICAL TECHNIQUES" in bold black capital letters. Below the title, it says "in the context of.....". At the bottom of the slide, the presenter's name and affiliation are listed: "W John Lough", "School of Pharmacy and Pharmaceutical Sciences", and "University of Sunderland". In the top right corner of the slide, there is the University of Sunderland logo and the text "Powered by StreamYard".

**Dr W John lough started the webinar session on Advance Pharmaceutical Analytical Techniques, Date 25/07/2019**



**KLU-MYBO International Webinar on "Advanced Pharmaceutical Analytical Techniques"**

**Dr W John lough interacting with faculty member discussing the challenges and regulatory issues associated with Pharmaceutical analytical techniques, Date 25/07/2019**

Powered by StreamYard

### Timescale of Particle Technology Developments

1960 1970 1980 1990 2000 2010

Large, irregular particles 5µm particles 2µm particles Sub-2µm particles Core Enhanced technology particles

pellicular particles, 50 µm

Fused core-shell technology (Halo, Poroshell etc): first introduced to compete with uHPLC by manufacturers who hadn't yet developed uHPLC capability  
 still achieving shorter intra-particle diffusion path length and so more rapid mass transfer (flatter C term) (also some impact on A and B terms)

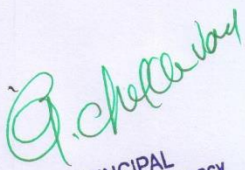
Dr. John Lough

binar on "Advanced Pharmaceutical Analytical Techniques" by K L College of Pharmacy, K L

Dr W John lough explaining the role of particle size reduction in separation science, chromatography and discussing the recent advancement and development in miniaturization of instruments, Date 25/07/2019

## FACULTY LIST:

S.No	Ecode	Name	Designation	Department
1	4364	Dr.G.Chakravarthi	Principal	Pharmacy
2	5419	Dr.Uma Sankar	Professor	Pharmacy
3	4866	Dr.Siva Prasad Panda	Assoc.Professor	Pharmacy
4	5465	Dr.G.S N Koteswara Rao	Assoc.Professor	Pharmacy
5	5922	Dr.A Anka Rao	Assoc.Professor	Pharmacy
6	5955	Dr.Ranjit Prasad Swain	Assoc.Professor	Pharmacy
7	5999	Dr.P. Rajeswari	Assoc.Professor	Pharmacy
8	6120	Dr. D S N B K Prasanth	Assoc..Prof	Pharmacy
9	4460	Dr. A.Raja Sekhar Reddy	Asst. Professor	Pharmacy
10	5758	Dr.M.Narender	Asst. Professor	Pharmacy
11	6018	Dr. Keerthana Diyya	Asst.Prof	Pharmacy
12	5306	Mrs.N Srilakshmi	Asst. Professor	Pharmacy
13	5728	Ms.S.Nigama Chandra	Asst. Professor	Pharmacy
14	5710	Mr.T. Vinay Bharadwaj	Asst. Professor	Pharmacy
15	5879	Mr. G Uma Sankar	Asst.Prof	Pharmacy
16	5925	Mr. A.Narayana Rao	Asst.Prof	Pharmacy
17	6032	Mr. B. Naga Raju	Asst.Prof	Pharmacy
18	6060	Mrs. K.Sree Teja	Asst.Prof	Pharmacy

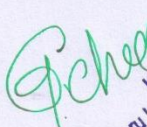
  
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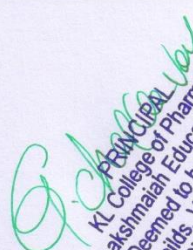
## PARTICIPANT LIST

**K L E F**  
**K L COLLEGE OF PHARMACY**  
**LIST OF STUDENTS PARTICIPATED**

S.No	ID.NO NO	NAME OF THE STUDENT
1	190181001	LUKONDO MUBALA
2	190181002	QUEEN SIAKABINGA
3	190181003	HELLEN SIKOMBE
4	190181004	SARAH CHIZA KASALO
5	190181005	BANJI ISABEL HANZALA
6	190181006	SANDILE NATASHA ZULU
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8	190181008	ISABEL NAMAKU NGENDA
9	190181009	CECILIA MULENGA
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53	190181060	AHMED ATTA HAMED ELBASHIR
54	190181061	MARIAM SULIMAN MOHAMED ABDALLA
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57	190181064	KAREN DOUGLAS LYATUU
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