



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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Ref: KLEF/RO/PHARMACY/2022-23

Date: 25-08-2022

Orders of the In-charge Vice-Chancellor dt.25-08-2022

CIRCULAR

Sub: Guest Lecture on “**Working of rotary evaporator and its applications in extraction of phytochemicals**” by KLEF College of Pharmacy – Reg.

Ref: Letter dated 25.08.2022 from Dr. G. Chakravarthy,
Principal, KLEF College of Pharmacy.

This is to inform that KLEF College of Pharmacy is organizing a guest lecture on “**Working of rotary evaporator and its applications in extraction of phytochemicals**” which is beneficial to the Life Science (Pharma, Biotechnology & agriculture) students, faculty and researchers, as per the details given below.

Resource person : Dr. Narender Malothu, Assistant Professor,
KL College of Pharmacy

Date & Time : 26-08-2022 from 11:00 a.m. to 12:00 Noon

Registration Link: <https://forms.gle/khzWw1WCxm1SDTMa9>

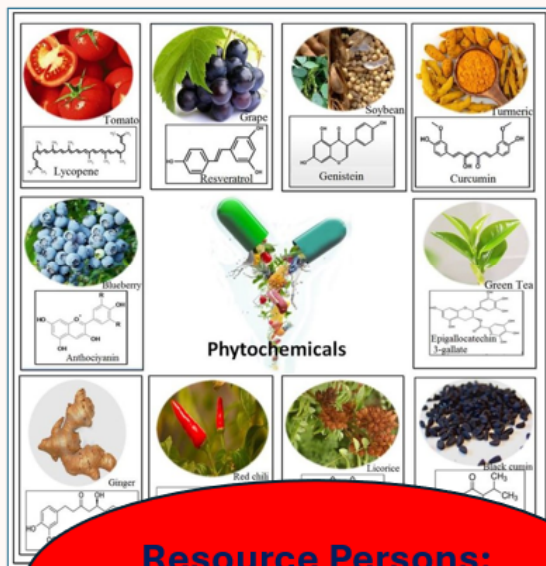
For further details Dr. A. Anka Rao, Convener, Associate Professor, KLEF College of Pharmacy, E-mail Id: ankarao@kluniversity.in can be contacted.

Poster of the guest lecture is attached herewith.


REGISTRAR (I/C)
Dr. A. JAGADEESH
REGISTRAR (I/C)

Guest Lecture on

Working of rotary evaporator and its applications in extraction of phytochemicals



**Resource Persons:
Dr. Narender Malothu**



Date & Time:
26th Aug 2022 & 02.00 to
04.00 pm



Venue:
KL College of
Pharmacy



**KONERU LAKSHMAIAH
EDUCATION FOUNDATION**
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KL COLLEGE OF PHARMACY
Skill Activity Report August-2022

KLCP- Guest Lecture Chemistry

Date : 26-08-2022

Activity	01
Date	26-08-2022
Resource Person	Dr. Narender Malothu
Participants	Pharma D and B. Pharmacy Students
Guest Lecture on	Working of rotary evaporator and its applications in extraction of phytochemicals
Room	Hall Number 309A, R & D Block, KI University

Introduction:

The guest lecture on the "Working of Rotary Evaporator and its Applications in Extraction of Phytochemicals" was conducted successfully on 26-08-2022, organized by the KL College of Pharmacy at KLEF deemed to be University. The lecture aimed to provide participants with insights into the operation and significance of rotary evaporators in the extraction of phytochemicals from natural sources.

Guest Speaker:

The lecture was delivered by Dr. Narender Malothu, Assistant Professor at KL College of Pharmacy. He is a renowned expert in the field, with extensive experience in phytochemical research and development.

Key Highlights:

Understanding Rotary Evaporators:

The lecture began with an overview of rotary evaporators, covering the principles, components, and operation of these essential laboratory instruments. Participants gained a clear understanding of how rotary evaporators facilitate the evaporation of solvents under vacuum conditions.

Importance in Phytochemical Extraction:

The speaker emphasized the significance of rotary evaporators in the efficient extraction of phytochemicals from plant materials. Various extraction techniques, including maceration, Soxhlet extraction, and steam distillation, were discussed in the context of rotary evaporation.

Practical Applications:

Real-world examples were presented to illustrate the practical applications of rotary evaporators in phytochemical research. Participants learned about the versatility of rotary evaporators in extracting a wide range of phytochemicals, including alkaloids, flavonoids, and essential oils.

Optimization Strategies:

Techniques for optimizing extraction parameters using rotary evaporators were discussed in detail. Participants gained insights into factors influencing extraction efficiency, such as temperature, pressure, and solvent selection, and learned how to maximize yield while minimizing processing time.

Q&A Session:

The lecture concluded with an interactive Q&A session, allowing participants to engage with the speaker and clarify their doubts. Topics ranging from specific extraction techniques to equipment maintenance were addressed, fostering a dynamic exchange of knowledge and ideas.

Conclusion:

The guest lecture provided participants with valuable insights into the working of rotary evaporators and their applications in the extraction of phytochemicals. Participants gained a deeper understanding of the role of rotary evaporators in phytochemical research and development, equipping them with valuable knowledge for future studies and projects.

Total number of students participated: 28



Dr. Narendar Malothu introducing the guest lecture topic to the participants.



Dr. Narender Malothu Explaining the mechanism and working of rotary evaporator (Date: 26-08-2022).



Participants carefully listening to the talk of guest lecture.



Mr. Ramakrishna Kakarla monitoring the guest lecture.



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KL COLLEGE OF PHARMACY
Skill Activity Report August-2022

KLCP- Guest Lecture Chemistry
Attendance Sheet

Date : 26 -08-2022

Sr. No.	Name of Faculty/Student	Staff ID/Student ID	Year of the Study	Signature
1.	K. Guna Sreeja	2100520065	2nd year	Guna kathika
2.	P. Gayatri	2100530082	2nd year	P. Gayatri
3.	V. Thanmayi	2101170021	2nd year	V. Thanmayi
4.	T. Amitha	2101570024	2nd year	T. Amitha
5.	K. Jyoshna	2101570022	2nd year	Jyoshna
6.	Sreevally K	2101570010	2nd year	Sreevally K
7.	Syo-thi B	2101170018	2nd year	Syo-thi B
8.	Komaladeena A	2101570018	2nd year	Komaladeena A
9.	Nandee	2101570009	2nd year	Nandee
10.	Md. Noor	2101520019	"	Md. Noor
11.	Piyush Bandela	2101570016	"	Piyush Bandela
12.	Deshna	2101570026	"	Deshna
13.	Lasya	2101570015	"	Lasya
14.	Namratha	2101570003	"	Namratha
15.	P. Navya	2101570002	"	P. Navya
16.	Gurjani Kumar	2100530046	2nd year	Gurjani Kumar
17.	Veela kumari	2100530013	"	Veela kumari
18.	Ali Mohammed	2100530038	"	Ali Mohammed
19.	Vahmi	2100530083	"	Vahmi
20.	Chandan kumar	2100530045	"	Chandan kumar
21.	S. Devick	2100530027	"	S. Devick
22.	Fred Milandu	2100530049	"	Fred Milandu
23.	G. KULADEEP	2100530030	"	G. KULADEEP
24.	P. V. Sharanvi	2100570057	"	P. V. Sharanvi
25.	Divyaja	2100570060	"	Divyaja
26.	Himanshu	2100530042	"	Himanshu
27.	Chandan Kumar	210050045	"	Chandan Kumar
28.	Milanda T.	2100530050	"	Milanda T.
29.	Dr. Nareish D	6753	"	Dr. Nareish D
30.	Dr. B. Nagaraj	6032	"	Dr. B. Nagaraj

[Signature]
Professor Incharge-Skill Development
Pharmacy Department

[Signature]
Principal
PRINCIPAL
KL College of Pharmacy
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Guntur District, Andhra Pradesh