



**J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY**

Ethirmedu, B.Komarapalayam – 638 183, Namakkal Dist. Tamilnadu, India
Approved by Pharmacy Council of India, New Delhi & The Tamilnadu Dr. M.G.R Medical University, Chennai.
Website : www.jkkmmrfpharmacy.edu.in E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

SEMINOR ON

The Analysis of traditional drug - An Instrumental approach

REPORT

RESOURCE PERSONS

Dr. R.Arivukarasu., M.Pharm., Ph.D

Dr. E. Thilagam., M.PHARM., Ph.D

**KMCH College of Pharmacy,
Coimbatore**

**JKKMMRF's Annai JKK Sampoorani Ammal
College of Pharmacy, Komarapalayam**

No. of students enrolled: 325

No. of students certified: 325


No. of students certified in our institution: 33

On June 08.2022, the Department of Pharmacognosy at JKKMMRF's Sampoorani Ammal College of Pharmacy held a seminar on The Analysis of traditional drug - An Instrumental approach in the Seminar hall. The seminar was attended by 325 students and was certified by the college.

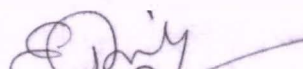
The seminar began with an introduction to on The Analysis of traditional drug - An Instrumental approach and its importance in research studies. The speaker discussed the different types of analytical instruments and its application in the pharma field. The speaker also covered the handling of various chromatographic techniques and its principle and working.

The students participated actively in the seminar, asking questions and engaging in discussions and received feedback from the speaker.

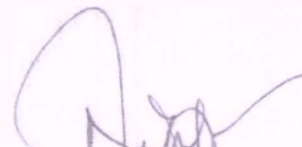
Overall, the seminar was well-received by the students and provided them with valuable knowledge and skills on Instrumental handling. The Department of Pharmacognosy at JKKMMRF's Sampoorani Ammal College of Pharmacy is committed to providing high-quality education and training to its students and plans to hold similar seminars in the future.


Programme
Co-ordinator

**Dr. N.SENTHILKUMAR,
PRINCIPAL**


HOD




Principal

**Dr. N. SENTHILKUMAR,
PRINCIPAL,
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,
ETHIRMEDU, KOMARAPALAYAM - 638 183,
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REF.NO: JKKM/PH-COGNOSY /REQ/2020/001

Date: 02.06.2022

From

Department of Pharmacognosy,
JKKMMRF'S Annai JKK Sampoorani Ammal College of Pharmacy,
Komarapalayam, Namakkal [Dist],
Tamil Nadu, PIN: 638183.

To

The Principal,
JKKMMRF'S Annai JKK Sampoorani Ammal College of Pharmacy,
Komarapalayam, Namakkal [Dist],
Tamil Nadu, PIN:638183.

Respected Sir,

Subject: Requesting Permission to conduct Seminar -regarding

With due respect, we humbly request you to grand permission to conduct a Seminar in the Seminar Hall during **8/6/2022 on The Analysis of traditional drug - An Instrumental approach**. It will be a very informative course for our students.

Kindly do the needful. We will be grateful to you sir.

Thank you



**Dr. M. SENTHILKUMAR,
PRINCIPAL,**

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Your sincerely,



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DEPARTMENT OF PHARMACOGNOSY

2021-2022


CIRCULAR

This is inform to the Students that the following Seminar program can be conducted by the Department of Pharmacognosy, JKKMMRF's ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY and it will be commenced as per the schedule:

Course Name	Schedule	Venue	Resource Person
The Analysis of traditional drug - An Instrumental approach	8/6/2022	SEMINAR HALL	Dr. R. Arivukarasu and Dr. E. Thilagam

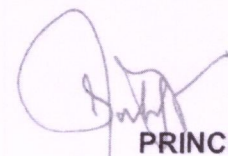
All the above mentioned students must enrol and actively participate in the course without fail.

NOTE: Certificates should be issued to all the students after completion of the course and examination.


Dr. N. SENTHILKUMAR,
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PRINCIPAL

Dr. N. SENTHILKUMAR,
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**JKKMMRF's ANNAI JKK SAMPOORANI AMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM**



SEMINAR ON
The Analysis of traditional drug an Instrumental approach

Organised by

Department of Pharmacognosy

RESOURCE PERSONS



Dr. R. Arivukarasu., M.Pharm., Ph.D
Profesor and Head
Department of Pharmacognosy
KMCH College of Pharmacy

Dr. E. Thilagam., M.Pharm., Ph.D
Profesor and Head
Department of Pharmacognosy
JKKMMRF's Annai JKK Sampoorani
Ammal ,College of Pharmacy



**ORGANISING
SECRETARY
DR.P.SATHEESH KUMAR**

**CO- CONVENOR
DR.E. THILAGAM**

**CONVENOR
DR.N. SENTHIL KUMAR**

**VENUE : SEMINAR HALL
(08.06.2022)**



**Dr. N. SENTHILKUMAR,
PRINCIPAL,**

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ABOUT THE COURSE

Drug analysis encompasses tests on raw materials (purity criteria), pharmaceutical or veterinary formulations, and a number of other, more complex matrices such as foods of animal origin, drinks, and foodstuffs that are conducted for clinical, forensic, or veterinary purposes involving a variety of matrices including blood, urine, and tissues. Pharmaceutical analysis is restricted to drug analyses in raw materials and pharmaceutical formulations; in some instances, it also includes clinical analyses. Pharmaceutical analyses involve the determination of not only active components but also impurities, excipients, the stability of active components (and their degradation intermediates or end-products), and other parameters such as content uniformity, solubility, and dissolution rate.

Use of UV-Visible Spectroscopy in the quantitative analysis of drugs. Selection of the optimal wavelength, selectivity, sensitivity, construction of the calibration curve. Derivative spectrophotometry, differential spectrophotometry and multicomponent spectrophotometry.

Use of fluorimetry in the quantitative analysis of compounds of pharmaceutical interest. Quali- and quantitative analysis of fluorescent drugs. Chemical derivatization aimed at introducing fluorophoric residues on drugs.

Quantitative analysis of drugs and validation with chromatographic techniques. References to chromatographic parameters. External and internal standard methods, standard additions method. Van Deemter equation for standard stationary phases. How to improve chromatographic efficiency and to decrease the time of the analysis: (i) The role of the dimension of the packing material; (ii) High temperature chromatography; (iii) Monolithic column technology; (iv) UHPLC (Ultra High Performance Liquid Chromatography); (v) Fused core particle technology. Polar drugs analysis: ionic suppression HPLC and ion pairing chromatography, HILIC (Hydrophilic Interaction Chromatography). Examples from European Pharmacopeia. Method validation: linearity, accuracy, precision, selectivity, LOD and LOQ.

Gas chromatography (GC): instrumentation. Chromatographic parameters optimization. GC applications to the analysis of drugs.

Hyphenated techniques: HPLC-MS, GC-MS. Ion sources for LC-MS: ESI, APCI and APPI. Analyzers: ion trap, quadrupole and time of flight analyzers. MALDI mass spectrometry.




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Seminar on

The Analysis of traditional drug - An Instrumental approach

STUDENT FEEDBACK FORM

NAME OF STUDENT :
COURSE :
SEMINAR TOPIC :

REGISTRATION NO :
YEAR & SEMESTER :
DATE & TIME :

1. Overall, how satisfied were you with this seminar?
 - Very satisfied
 - Satisfied
 - Neutral
 - Dissatisfied
 - Very dissatisfied
2. How clear were the ideas and concepts we presented?
 - Extremely clear
 - Very clear
 - Moderately clear
 - Not very clear
 - Not at all clear
3. What percentage of the information was new to you?
 - 100%
 - 75%
 - 50%
 - 25%
 - 0%
4. How informative did you find our seminar?
 - Extremely Informative
 - Very Informative
 - Moderately Informative
 - Not very informative
 - Not informative at all




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5. Were there any technical issues that prevented you from seeing or hearing the seminar?

- Yes
- No

6. Would you like to learn more about this topic?

- Yes
- No

7. Rate the content of the slides/virtual aid?

- Extremely clear
- Very clear
- Moderately clear
- Not very clear
- Not at all clear

8. How accurate was the session description?

- Extremely clear
- Very clear
- Moderately clear
- Not very clear
- Not at all clear

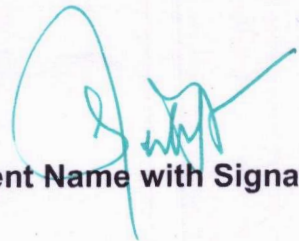
9. How did the session compare to your expectations?

- Excellent
- Good
- Fair
- Poor
- Not at all clear

10. How Would you rate the content of the seminar?

- 1
- 2
- 3
- 4
- 5

Student Name with Signature



Dr. N. SENTHILKUMAR,
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Seminar on

The Analysis of traditional drug - An Instrumental approach

STUDENTS FEEDBACK ANALYSIS

DATE: 08.06.2022

S.NO	QUESTION DESCRIPTION	ANSWERS	MARKS	TOTAL MARKS
1	Satisfaction	Very satisfied	5	5
		Satisfied	3	
		Neutral	2	
		Dissatisfied	1	
		Very dissatisfied	0	
2	Clarity	Extremely clear	5	5
		Very clear	4	
		Moderately clear	2	
		Not very clear	1	
		Not at all clear	0	
3	Percentage of the information was new	100%	5	5
		75%	4	
		50%	3	
		25%	2	
		0%	1	
4	Informative	Extremely Informative	5	5
		Very Informative	3	
		Moderately Informative	2	
		Not very informative	1	
		Not informative at all	0	
5	Technical issues	Yes	5	5
		No	0	

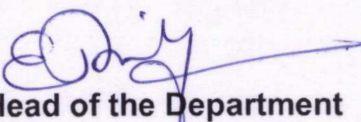


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6	Like to learn more about this topic	Yes	5	5
		No	0	
7	Rate the content of the slides/virtual aid	Extremely clear	5	5
		Very clear	3	
		Moderately clear	2	
		Not very clear	1	
		Not at all clear	0	
8	Accuracy of the sessions	Extremely clear	5	5
		Very clear	3	
		Moderately clear	2	
		Not very clear	1	
		Not at all clear	0	
9	Session expectations	Excellent	5	5
		Good	3	
		Fair	2	
		Poor	1	
		Not at all clear	0	
10	Rate the content of the seminar	1	1	5
		2	2	
		3	3	
		4	4	
		5	5	

Total marks = 50


Head of the Department




Principal

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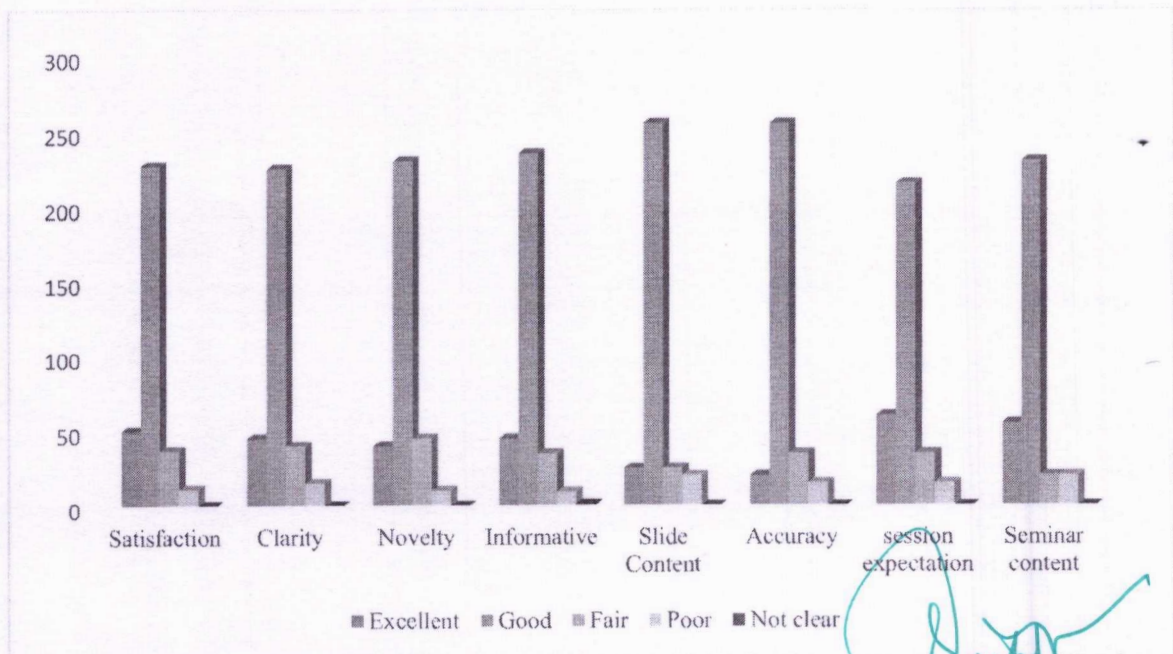
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Seminar on The Analysis of traditional drug - An Instrumental approach REPORT SUMMARY

DATE: 08.06.2022

1.Satisfaction	6.Like to learn more about this topic
2.Clarity	7.Rate the content of the slides/virtual aid
3. Percentage of the information was new	8.Accuracy of the sessions
4.Informative	9.Session expectations
5.Technical issues	10.Rate the content of the seminar




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LIST OF PARTICIPANTS

1	MARY JULIAN BENEDICT S	SEM-I
2	MIDHUN M.	SEM-I
3	PARTHIBAN M	SEM-I
4	SONAM SASI	SEM-I
5	LEELAVATHI K	SEM-I
6	KARTHIKEYAN S	SEM-I
7	YAHIA ADAM HASSAN ADAM	SEM-I
8	MAHESWARI KUMARAVEL	SEM-I
9	MOHAMMED BABIKER HASSAN ABDELMAGEED	SEM-I
10	ANSHAD P A	SEM-I
11	ARUNGEE MATHEW	SEM-I
12	SMITHA SARAH THAMBI	SEM-I
13	ALFONS K	SEM-I
14	BOVAS S KOTTARAM	SEM-I
15	DEEPABHARATHI V	SEM-I
16	JENCY TREASA T.R	SEM-I
17	MOHAMED FAISAL .K.P	SEM-I
18	MOHAMED MANSOOR P	SEM-I
19	NAJMUNNEESA T.M	SEM-I
20	SABINA T	SEM-I
21	SATHESH V P	SEM-I
22	SHAHABAD .U	SEM-I
23	SHAIK ISMAIL M	SEM-I
24	SONAL CHACKO	SEM-I
25	KARTHIK RAJ P	SEM-I
26	MOHAMED ASLAM K	SEM-I
27	MOHAMED SHIYAS PANCHILY	SEM-I
28	MOHAMMED HASHIL M	SEM-I
29	SABIQ A	SEM-I
31	SACHINDAS P	SEM-I
32	ANJANA G	SEM-I
33	JINSHA R	SEM-I



Senthil Kumar
Dr. N. SENTHILKUMAR,
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SEMINAR ON THE ANALYSIS OF TRADITIONAL DRUG AN INSTRUMENTAL APPROACH

DATE :08/06/22

Resource person interaction with students




Dr. N. SENTHILKUMAR,
PRINCIPAL,

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
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COLLEGE OF PHARMACY



ETHIRMEDU, B. KOMARAPALAYAM - 638183, NAMAKKAL DT, TAMIL NADU, INDIA

State Level Seminar On

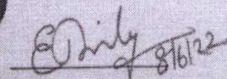
**The Analysis of Traditional Drugs - An Instrumental
Approach**

Department of Pharmacognosy

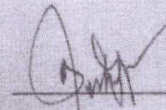
Certificate of Participation

This is to certify that Mr./ Ms./ Mrs./ Dr. _____

has Delegate/ Resource person in state level seminar on **The Analysis of
Traditional Drugs - An Instrumental Approach** held on **08.06.2022**

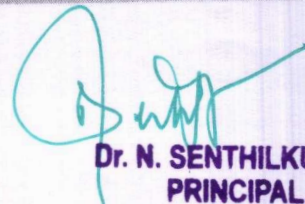

8/6/22

Co- Convenor
Dr. E. Thilagam



Convenor
Dr. N. Senthil Kumar





Dr. N. SENTHILKUMAR,
PRINCIPAL,
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State Level Seminar On

**The Analysis of Traditional Drugs - An Instrumental
Approach**

Department of Pharmacognosy

Certificate of Participation

This is to certify that Mr./ Ms./ Mrs./ Dr. SABINA . T
has Delegate/ Resource person in state level seminar on The Analysis of
Traditional Drugs - An Instrumental Approach held on 08.06.2022

E. Thilagam 8/6/22

Co- Convenor
Dr. E.Thilagam

N. Senthil Kumar

Convenor
Dr. N. Senthil kumar

N. Senthil Kumar

**Dr. N. SENTHILKUMAR,
PRINCIPAL,**

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State Level Seminar On

**The Analysis of Traditional Drugs - An Instrumental
Approach**

Department of Pharmacognosy

Certificate of Participation

This is to certify that Mr./ Ms./ Mrs./ Dr. KARTHIK RAJ . P
has Delegate/ Resource person in state level seminar on The Analysis of
Traditional Drugs - An Instrumental Approach held on 08.06.2022

E. Thilagam 8/6/22

Co- Convenor
Dr. E.Thilagam

N. Senthil Kumar

Convenor
Dr. N. Senthil kumar



N. Senthil Kumar
Dr. N. SENTHILKUMAR,
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