



**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](http://www.jkkmmrfpharmacy.edu.in) | E-Mail : [principal@jkkmmrfpharmacy.edu.in](mailto:principal@jkkmmrfpharmacy.edu.in)  
Contact No. : +919789456750, +919943069944, +919943066944

**SEMINOR ON**

**The Analysis of traditional drug - An Instrumental approach**

**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**

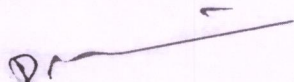
**No. of students certified in our institution: 33**

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.

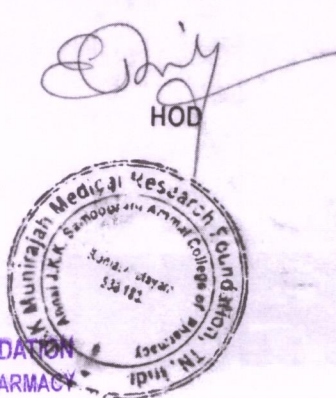
The seminar began with an introduction to on The Analysis of traditional drug - An Instrumental approach and its importance in research studies. The speaker discussed the different types of analytical instruments and its application in the pharma field. The speaker also covered the handling of various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

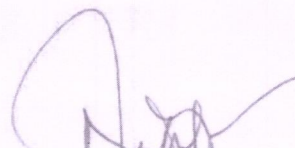
The students participated actively in the seminar, asking questions and engaging in discussions and received feedback from the speaker.

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**



  
Principal

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

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMARAPALAYAM - 638 183,  
NAMAKKAL DISTRICT, TAMILNADU.**

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Contact No. : +919789456750, +919943069944, +919943066944

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,**

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY  
ETHIRMEDU, KOMARAPALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMILNADU.**

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,**  
**PRINCIPAL**

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ETHIRMEDU, KOMARAPALAYAM - 638 183.  
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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,**

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
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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



**Dr. N. SENTHILKUMAR,**  
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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

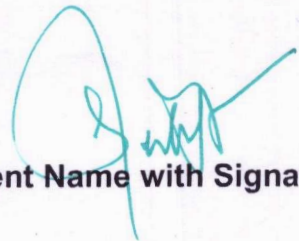
9. How did the session compare to your expectations?

- 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	



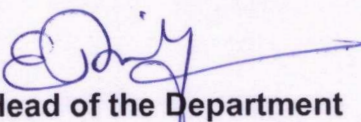
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6	Like to learn more about this topic	Yes	5	5
		No	0	
7	Rate the content of the slides/virtual aid	Extremely clear	5	5
		Very clear	3	
		Moderately clear	2	
		Not very clear	1	
		Not at all clear	0	
8	Accuracy of the sessions	Extremely clear	5	5
		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

**Dr. N. SENTHILKUMAR,**  
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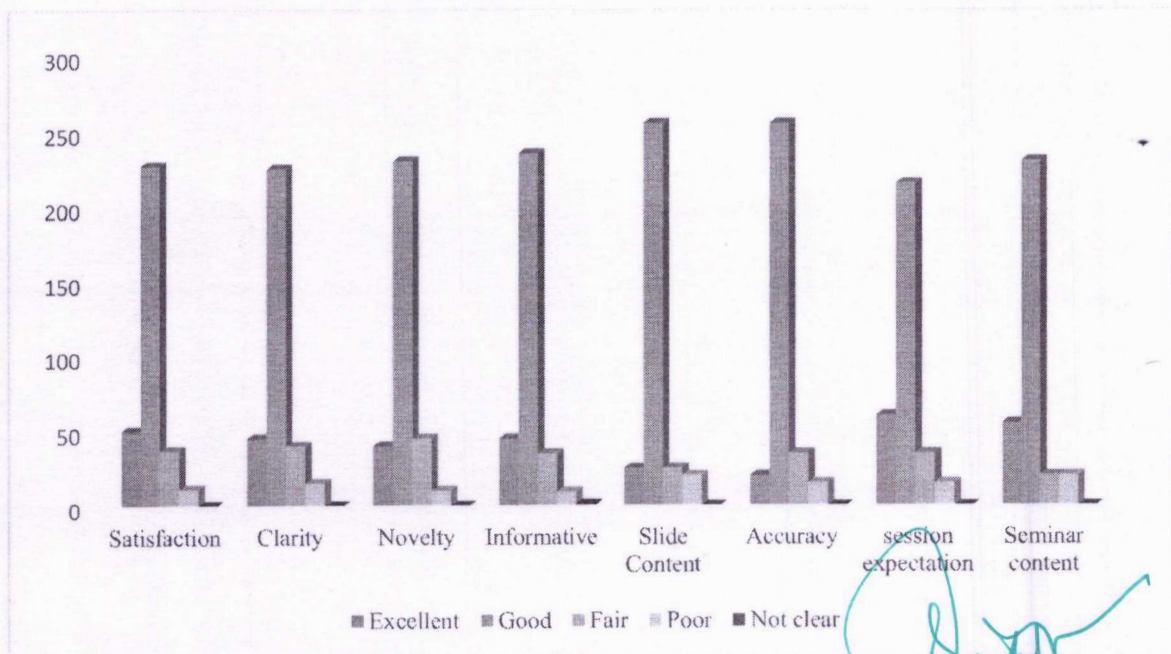
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## Seminar on The Analysis of traditional drug - An Instrumental approach REPORT SUMMARY

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,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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## SEMINAR

### THE ANALYSIS OF TRADITIONAL DRUG AN INSTRUMENTAL APPROACH



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

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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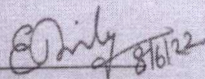
State Level Seminar On

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

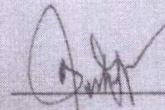
Department of Pharmacognosy

*Certificate of Participation*

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

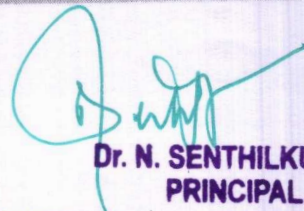


Co- Convenor  
Dr. E. Thilagam



Convenor  
Dr. N. Senthil Kumar





**Dr. N. SENTHILKUMAR,**  
**PRINCIPAL,**  
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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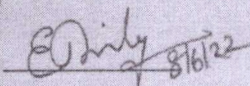
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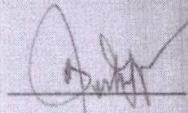
Department of Pharmacognosy

*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



Co- Convenor  
Dr. E.Thilagam



Convenor  
Dr. N. Senthil kumar





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

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMARAPALAYAM - 638 183,  
NAMAKKAL DISTRICT, TAMILNADU.**





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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. 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,  
PRINCIPAL,**

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