



**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

**Seminar on  
Current challenges in quality control of Herbal Drugs  
RESOURCE PERSONS**

Dr. K. Vasuki M. Paharm., Ph.D

Swamy Vivekanandha College of Pharmacy,  
Namakkal.

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

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

**No. of students enrolled: 300**

**No. of students certified: 300**

**No. of students certified in our institution: 39**


On Sep.06.2017 – Sep.07.2017, the Department of Pharmacognosy at JKKMMRF's Sampoorani Ammal College of Pharmacy held a seminar on Current challenges in quality control of Herbal Drug in the Seminar hall. The seminar was attended by 300 students and was certified by the college.

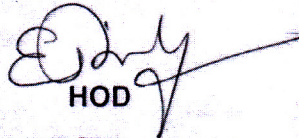
The seminar began with an introduction to Current challenges in quality control of Herbal Drugs and its importance in research studies. The speaker discussed the various physical, chemical, and geographical aspects which contribute to the quality of these materials.


The speaker also covered the The process where the qualitative and quantitative values of herbs are measured against the prescribed or set standards and parameters is standardization.

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 in enforcement of IP rights. 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

  
HOD

  
Principal

Dr. N. SETHILKUMAR,  
PRINCIPAL,



  
Dr. N. SETHILKUMAR,  
PRINCIPAL

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

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REF.NO: JKKM/PH-COGNOSY /REQ/2020/008

Date: 01.09.2017

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 **06/09/2017 and 07/09/2017** on **Current challenges in quality control of Herbal Drugs**. It will be a very informative course for our students.

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

Thank you

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

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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Yours sincerely







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**CIRCULAR**

**DEPARTMENT OF PHARMACOGNOSY**

**2017-2018**

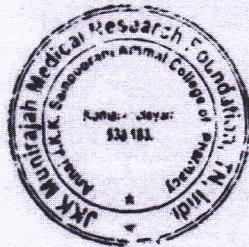
**CIRCULAR**

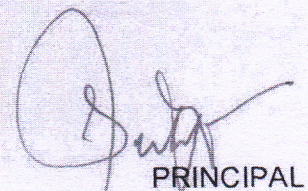
This is inform to the Students that the following Seminar program can be conducted by the Department of Pharmacognosy, JKKMMRF's ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY and it will be commenced as per the schedule:

Course Name	Schedule	Venue	Resource Person
Seminar on Current challenges in quality control of Herbal Drugs	06/09/2017 to 07/09/2017	SEMINAR HALL	Dr. E. Thilagam & DR. K. Vasuki

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.**



  
PRINCIPAL

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

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDAT  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARM  
ETHIRMEDU, KOMARAPALAYAM - 638 183.  
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**Dr. N.SENTHILKUMAR,  
PRINCIPAL**

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NAMAKKAL DISTRICT. TAMILNADU. INDIA.





# JKKMMRF's ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Namakkal Dt., Tamilnadu, India.

Seminar on

## Current Challenges in Quality Control of Herbal Drugs

Resource Persons

06/08/2017 & 07/08/2017



Dr. E. Thilagam  
Professor & Head  
JKKMMRF's College of Pharmacy

Dr. K. Vasuki  
Professor & Head  
Swamy Vivekananda College of Pharmacy



VENUE: JKKM SEMINAR HALL



Dr. N. SENTHILKUMAR,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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## ABOUT THE COURSE

The quality of the herbals is altered by various physical, chemical, and geographical aspects which contribute to the quality of these materials. Apart from that, adulteration is also an increasing concern when it comes to herbal material quality. Various chemical and phytochemical test, analytical techniques, and hyphenated analytical techniques are used for determining the quality aspects of the herbal materials in the herbal pharmaceuticals. This is leading to a decrease in the quality standards of the herbal products by intentional and sometimes unintentional adulteration, spurious drugs, substitution of drugs, and many other ways which are prone to decreasing the quality of the herbal materials which are marketed and consumed for the healthy survival. But instead of this, it is leading to hazardous effects on the health of the consumers. So it is very much required to control the quality standards of the herbal drugs and products for the betterment of the mankind.

Standardization and the phytochemicals investigation are carried out; apart from these, there are various quality control tools which are used to assure the quality aspects of the herbals. Both qualitative and quantitative measures are required for the quality assurance of them. Different techniques like UV (ultraviolet) and IR (infrared) are mostly used for the qualitative aspects whereas HP-TLC (high-performance thin-layer chromatography), HP-LC (high-pressure/performance liquid chromatography), SFC (supercritical fluid chromatography), thermal analysis, ICP-MS (inductively coupled plasma-mass spectroscopy), LC-MS (liquid chromatography-mass spectroscopy), and GC-MS (gas chromatography-mass spectroscopy) are used for the quantitative estimation of the herbal products for quality control assessment.

As there is a growing demand for herbal pharmaceuticals, there is a need to assure their quality. Almost about 80% of the population is depending on the herbs for the treatment, cure, and prevention. So the different tools and techniques must be implied to verify and insure the required quality to be incorporated into the herbal material and products.

The process where the qualitative and quantitative values of herbs are measured against the prescribed or set standards and parameters is standardization. In the case of the herbal products which are part of traditional medicine system, the novel formulations developed are required to be standardized for safety, efficacy, and potency. It is required that the various techniques are used for the quality control examination of the herbs, which can be regulated to gain the required quality products by setting proper norms. And this in turn will provide the safer use and effective treatment and required potency of the products which will benefit mankind and society by providing means of wellbeing.



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**Seminar on**

**Current challenges in quality control of Herbal Drugs**

**STUDENT FEEDBACK FORM**

**NAME OF STUDENT:**  
**COURSE :**

**REGISTRATION NO:**  
**YEAR & SEMESTER:**

**SEMINAR TOPIC :**

**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?**

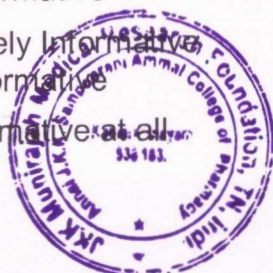
- Extremely clear
- Very clear
- Moderately clear
- Not very clear
- Not at all clear

**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



Dr. N. SENTHILKUMAR,  
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Student Name with Signature





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**Seminar on  
Current challenges in quality control of Herbal Drugs  
STUDENTS FEEDBACK ANALYSIS**

**DATE: 06/09/2017 and 07/09/2017**

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	

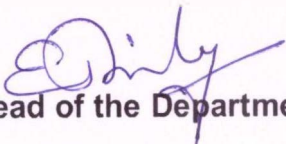


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6	Like to learn more about this topic	Yes	5	5
		No	0	
7	Rate the content of the slides/virtual aid	Extremely clear	5	5
		Very clear	3	
		Moderately clear	2	
		Not very clear	1	
		Not at all clear	0	
8	Accuracy of the sessions	Extremely clear	5	5
		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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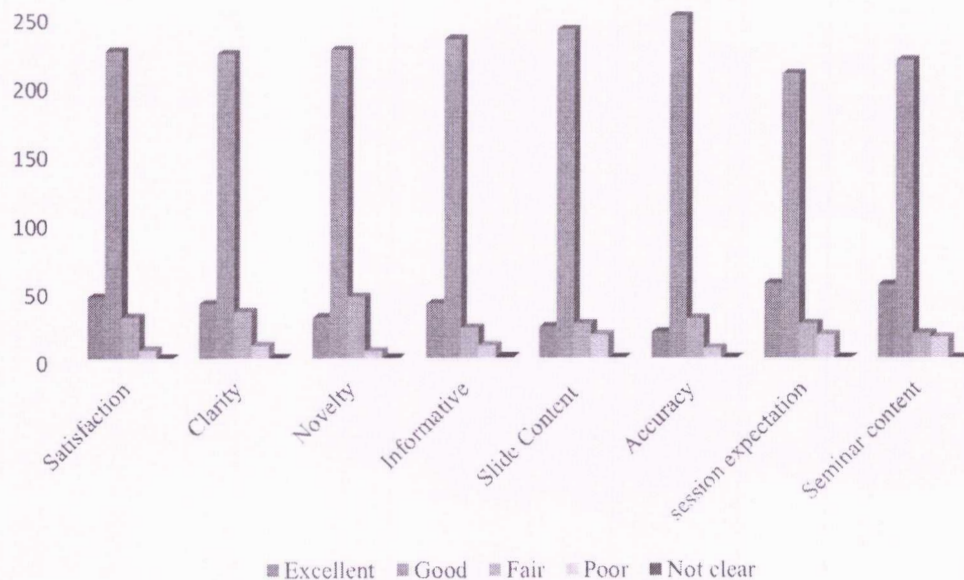
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## Seminar on Current challenges in quality control of Herbal Drugs REPORT SUMMARY

DATE: 06/09/2017 and 07/09/2017

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	MADHEEHA	II YR
2	MANISHA M	II YR
3	MARIMUTHU P	II YR
4	MOHAMED YASEEN M	II YR
5	MOHAMMED RISAL T	II YR
6	MOHANKUMAR R	II YR
7	MUTHUMURUGAN M	II YR
8	NAHEEMA P T	II YR
9	NANDHINI N	II YR
10	NAVANANDHINI J	II YR
11	NAVEEN KUMAR M	II YR
12	NAVEENKUMAR K	II YR
13	NIKAN KARIMZADEH	II YR
14	NIRMALRAJ M	II YR
15	NISANTHINI M	II YR
16	PARTHASARATHY K	II YR
17	PAVITHRA B	II YR
18	POOVARASAN N	II YR
19	PRABAHARAN B	II YR
20	PRAKASH J	II YR
21	PRAVEEN KUMAR M	II YR
22	PRIYA DHARSHINI R	II YR
23	RAGUL A	II YR
24	RAHIMAN K	II YR
25	RAHULANAND K	II YR
26	RAMAKRISHNAN S	II YR
27	RAMKUMAR R	II YR
28	RAMYA E	II YR
29	RANJITH M	II YR
30	RAVICHANDRAN K	II YR
31	SALMAN SHERIFF K	II YR
32	SANGEETHA R	II YR
33	SANTHIYA G	II YR
34	SANTHOSH S	II YR
35	SANTHOSH KUMAR P	II YR
36	SARALA R	II YR
37	SARAN K	II YR
38	SATHISH P	II YR
39	SATHISH KUMAR V	II YR

  
Dr. N. SENTHILKUMAR,  
PRINCIPAL,

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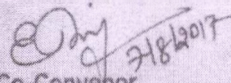
Seminar on

**Current Challenges in Quality Control of Herbal Drugs**

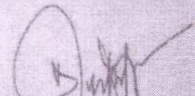
Organized by **Department of Pharmacognesy**

*Certificate of Participation*

This is certify that Mr./M.s./Mrs./Dr. \_\_\_\_\_  
\_\_\_\_\_ has participated as a Delegate/  
Resource person in one day workshop on **Current Challenges in  
Quality Control of Herbal Drugs** held on **06/08/2017 to 07/08/2017**

  
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,  
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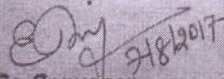
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**Current Challenges in Quality Control of Herbal Drugs**

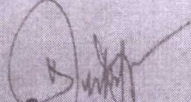
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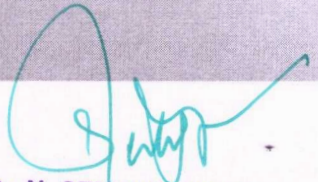
This is certify that  Mr./M.s./Mrs./Dr. PRAKASH .T  
\_\_\_\_\_ has participated as a Delegate/  
Resource person in one day workshop on **Current Challenges in  
Quality Control of Herbal Drugs** held on **06/08/2017 to 07/08/2017**

  
Co-Convenor  
**Dr.E.Thilagam**



  
Convenor  
**Dr.N.Senthil kumar**





**Dr. N. SENTHILKUMAR,**  
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Ethirmedi, B.Komarapalayam-6308183, Namakkal Dt., Tamilnadu, India.

Seminar on

**Current Challenges in Quality Control of Herbal Drugs**

Organized by **Department of Pharmacognosy**

*Certificate of Participation*

This is certify that Mr./M.s/Mrs./Dr. PAVITHRA . B  
\_\_\_\_\_ has participated as a Delegate/  
Resource person in one day workshop on **Current Challenges in  
Quality Control of Herbal Drugs** held on **06/08/2017 to 07/08/2017**

*Ethirmedi*  
Co-Convenor  
**Dr.E.Thilagam**



*[Signature]*  
Convenor  
**Dr.N.Senthil kumar**



*[Signature]*

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