



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu, India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

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

Dr.N. Senthilkumar, M.Pharm., Ph.D.,

Principal

DATE : 28/11/2022

DEPARTMENT OF PHARMACOGNOSY

SEMINAR TITLE –HERBAL NANOPARTICLES: PATENT AND DESIGN FILING

VENUE: SEMINAR HALL DATED: 26/11/2022

RESOURCE PERSON

Dr. V.R. Ravikumar., M.Pharm., Ph.D.
Erode College of Pharmacy, Erode.

No. of students enrolled: 360

No. of students certified: 358

No. of students certified in our institution : 74


On Nov.26.2022, the Department of Pharmacognosy at JKKMMRF's Sampoorni Ammal College of Pharmacy held a seminar on Herbal Nanoparticles: Patent and Design Filing in the Seminar hall. The seminar was attended by 360 students and was certified by the college.

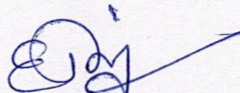
The seminar began with an introduction to Herbal Nanoparticles: Patent and Design Filing and its importance in herbal formulations. The speaker discussed the different types of Natural Products based on Nanoparticles.

The speaker also covered the steps involved in Preparation methods for Herbal Nano Formulations like Nanosuspension, Nano fabrication, Hot Homogenization, etc.

The students participated actively in the seminar, asking questions and engaging in discussions, 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 Sampoorni 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. Senthilkumar,
PRINCIPAL,
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU.**



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmediu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

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

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

REQUISITION LETTER

REF.NO: JKKM/PH-COGNOSY /REQ/2022/002

Date: 22/11/2022

From

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

To

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

Subject: Requesting Permission to conduct Seminar -regarding.

Respected Sir,

With due respect, we humbly request you to grand permission to conduct a Seminar in the Seminar Hall during **26/11/2022** on **Herbal Nanoparticles: Patent and Design Filing**. 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
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.

Yours sincerely,

Dr. E. Thilagam

Signature of HOD



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAL J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmediu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

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

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,
Principal

DEPARTMENT OF PHARMACOGNOSY

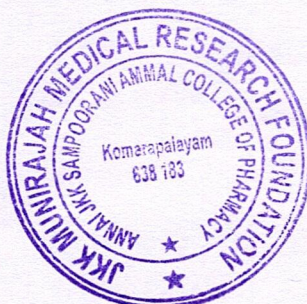
CIRCULAR(2022-23)

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

COURSE NAME	SCHEDULE	VENUE	RESOURCE PERSON
HERBAL NANOPARTICLES: PATENT AND DESIGN FILING	26/11/2022	SEMINAR HALL	DR. V.R. RAVIKUMAR.

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 FOUNDATION
ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.



**JKKMMRF's ANNAI JKK SAMPOORANI AMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM**



SEMINAR ON

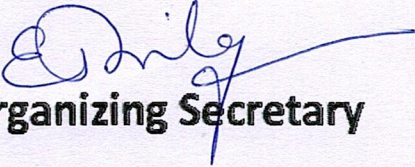
Herbal Nanoparticles - Patent and Design Filing

Organised by


Department of Pharmacognosy

RESOURCE PERSON

**Dr. V.R. Ravikumar., M.Pharm., Ph.D.
Erode College of Pharmacy, Erode**


Organizing Secretary

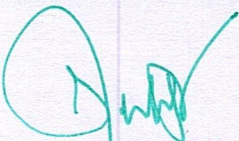
Dr. E. Thilagam


Convenor

Dr. N. Senthil Kumar

**VENUE: SEMINAR HALL
(26/11/2022)**




Dr. N. SENTHILKUMAR,
PRINCIPAL,

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



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAL J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

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

Dr.N. SETHILKUMAR, M.Pharm., Ph.D.,

Principal

ABOUT THE COURSE

Intellectual property rights (IPR) have been defined as ideas, inventions, and creative expressions based on which there is a public willingness to bestow the status of property. IPR provide certain exclusive rights to the inventors or creators of that property, in order to enable them to reap commercial benefits from their creative efforts or reputation. There are several types of intellectual property protection like patent, copyright, trademark, etc. Patent is a recognition for an invention, which satisfies the criteria of global novelty, non-obviousness, and industrial application. IPR is prerequisite for better identification, planning, commercialization, rendering, and thereby protection of invention or creativity. Each industry should evolve its own IPR policies, management style, strategies, and so on depending on its area of specialty. Pharmaceutical industry currently has an evolving IPR strategy requiring a better focus and approach in the coming era.

Competition in the global pharmaceutical industry is driven by scientific knowledge rather than manufacturing know-how and a company's success will be largely dependent on its R&D efforts. Therefore, investments in R&D in the drug industry are very high as a percentage of total sales; reports suggest that it could be as much as 15% of the sale. One of the key issues in this industry is the management of innovative risks while one strives to gain a competitive advantage over rival organizations. There is high cost attached to the risk of failure in pharmaceutical R&D with the development of potential medicines that are unable to meet the stringent safety standards, being terminated, sometimes after many years of investment. For those medicines that do clear development hurdles, it takes about 8-10 years from the date when the compound was first synthesized.

Different forms of IPR demand different treatment, handling, planning, and strategies and engagement of persons with different domain knowledge such as science, engineering, medicines, law, finance, marketing, and economics. Each industry should evolve its own IP policies, management style, strategies, etc. depending on its area of specialty. Pharmaceutical industry currently has an evolving IP strategy. Since there exists the increased possibility that some IPR are invalid, antitrust law, therefore, needs to step in to ensure that invalid rights are not being unlawfully asserted to establish and maintain illegitimate, albeit limited, monopolies within the pharmaceutical industry. Still many things remain to be resolved in this context.



Dr. N.SETHILKUMAR,
PRINCIPAL

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



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu, India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

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

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,
Principal

DEPARTMENT OF PHARMACOGNOSY

STUDENTS FEEDBACK ANALYSIS

DATE: 26/11/2022

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	



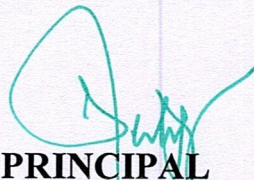
Dr. N.SENTHILKUMAR,
PRINCIPAL

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

5	Technical issues	Yes	5	5
		No	0	
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 very 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,
PRINCIPAL**

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





J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu, India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

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

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

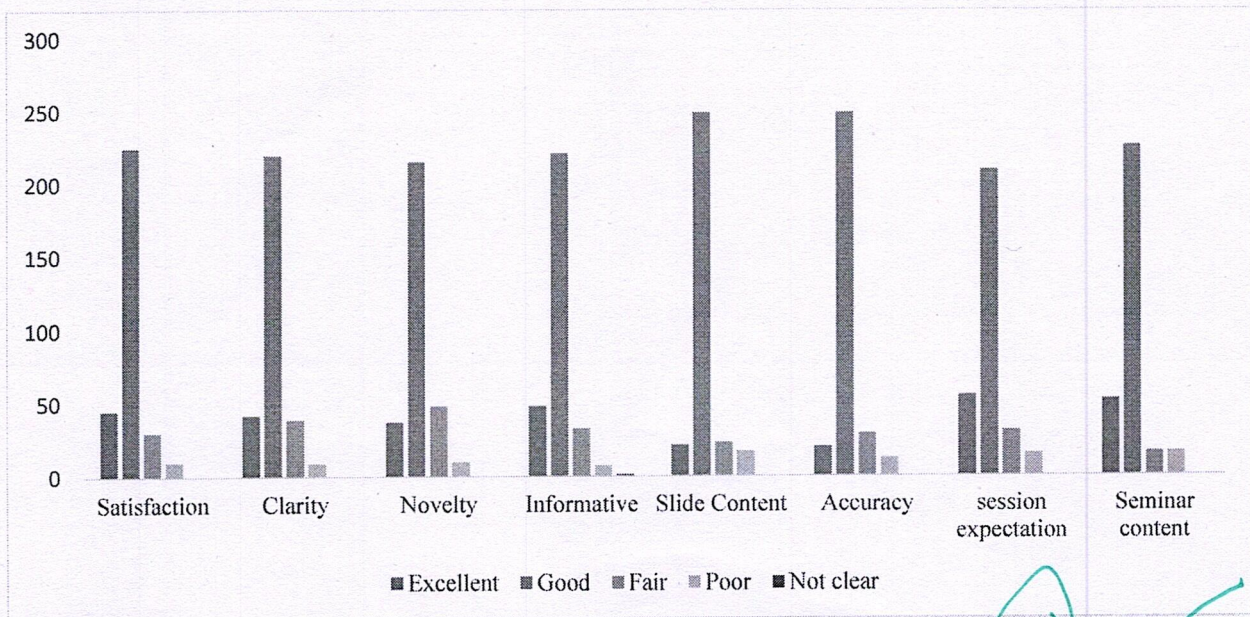
Principal

DEPARTMENT OF PHARMACOGNOSY

REPORT SUMMARY

DATE: 29/10/2022

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



Dr. N. SENTHILKUMAR,
PRINCIPAL

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



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAL J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

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

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

SEMINAR ON HERBAL NANOPARTICLES: PATENT AND DESIGN FILING

SEMINAR PHOTO



Dr. N.SENTHILKUMAR,
PRINCIPAL

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



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAL J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu, India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

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

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

LIST OF PARTICIPANTS

S.NO	NAME OF THE STUDENTS	YEAR	COURSE
1.	MEIYARASAN K	SEM-V	B.PHARM
2.	MOHAN M	SEM-V	B.PHARM
3.	MUGILARASU S	SEM-V	B.PHARM
4.	NANDHAKUMAR T	SEM-V	B.PHARM
5.	NAVEENKUMAR T	SEM-V	B.PHARM
6.	NAWIN S	SEM-V	B.PHARM
7.	NIDESHWAR G	SEM-V	B.PHARM
8.	PARAMESH K	SEM-V	B.PHARM
9.	POORNIMA D	SEM-V	B.PHARM
10.	PRABHAKARAN P	SEM-V	B.PHARM
11.	PRAKASH S R	SEM-V	B.PHARM
12.	PRIYADHARSHINI P	SEM-V	B.PHARM
13.	RAJESHKUMAR R	SEM-V	B.PHARM
14.	RANJITH R	SEM-V	B.PHARM
15.	SABARINATHAN M	SEM-V	B.PHARM
16.	SANTHOSH S	SEM-V	B.PHARM
17.	SARAN S	SEM-V	B.PHARM
18.	SARANYA S	SEM-V	B.PHARM
19.	SATHIYANARAYANAN M	SEM-V	B.PHARM
20.	SHIVA G	SEM-V	B.PHARM
21.	SHIVAGURU M	SEM-V	B.PHARM
22.	SOWMIYA J	SEM-V	B.PHARM
23.	SRINITHI N	SEM-V	B.PHARM
24.	SURENDHAR J	SEM-V	B.PHARM
25.	SURYASUGANTHAN D	SEM-V	B.PHARM
26.	SUSIENDRAN	SEM-V	B.PHARM



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

27.	TAMILAMUTHAN S J	SEM-V	B.PHARM
28.	THARAKESH S	SEM-V	B.PHARM
29.	THARUN R	SEM-V	B.PHARM
30.	THIRUMURUGAN D	SEM-V	B.PHARM
31.	UDHAYAKUMAR S	SEM-V	B.PHARM
32.	VAISHNAVI V	SEM-V	B.PHARM
33.	VARUNKUMAR S	SEM-V	B.PHARM
34.	VEERAYUVARAJ P	SEM-V	B.PHARM
35.	VENKATESH G	SEM-V	B.PHARM
36.	VENKATESH S	SEM-V	B.PHARM
37.	VIGNESH K	SEM-V	B.PHARM
38.	VIGNESH R	SEM-V	B.PHARM
39.	VIGNESHWARAN R	SEM-V	B.PHARM
40.	VIJAY R	SEM-V	B.PHARM
41.	VISHWA S	SEM-V	B.PHARM
42.	YASAR ARAFATH H	SEM-V	B.PHARM
43.	ARULKUMAR G	SEM-V	B.PHARM
44.	BALAMURUGAN S	SEM-V	B.PHARM
45.	HEMAVARSHINY K	SEM-V	B.PHARM
46.	KANNAN M	SEM-V	B.PHARM
47.	KARTHIK K	SEM-V	B.PHARM
48.	LOKESH R	SEM-V	B.PHARM
49.	NAVEENKUMAR M	SEM-V	B.PHARM
50.	PONNUVEL M	SEM-V	B.PHARM
51.	PRABHU M	SEM-V	B.PHARM
52.	SARAN R	SEM-V	B.PHARM
53.	VELMURUGAN D	SEM-V	B.PHARM
54.	JOSHUA GNANASEELAN B	SEM-VII	B.PHARM
55.	SELVABALAGAN M	SEM-VII	B.PHARM
56.	SHANMUGAVEL P	SEM-VII	B.PHARM
57.	NANDHAKUMAR S	SEM-VII	B.PHARM
58.	AJITH KUMAR K	SEM-VII	B.PHARM
59.	ANAND M	SEM-VII	B.PHARM
60.	ANAND R	SEM-VII	B.PHARM
61.	ANBARASAN S	SEM-VII	B.PHARM
62.	ANUSHIYA D D	SEM-VII	B.PHARM
63.	ARUN M	SEM-VII	B.PHARM
64.	ARUNA P	SEM-VII	B.PHARM
65.	ASHOKMOHAN J	SEM-VII	B.PHARM
66.	ASLIN VENISKA V	SEM-VII	B.PHARM



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

67	AVINKUMAR A	SEM-VII	B.PHARM
68	BALAGANAPATHI V	SEM-VII	B.PHARM
69	BHARANIDHARAN M	SEM-VII	B.PHARM
70	CHITRA S	SEM-VII	B.PHARM
71	DEEPA S	SEM-VII	B.PHARM
72	DEEPIKA A	SEM-VII	B.PHARM
73	DEEPIKA C	SEM-VII	B.PHARM
74	DHANABABU J	SEM-VII	B.PHARM




Dr. N.SENTHILKUMAR,
PRINCIPAL

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



JKKMMRF's ANNAI JKK SAMPOORANI AMMAL
COLLEGE OF PHARMACY. KOMARAPALAYAM



**SEMINAR ON
HERBAL NANOPARTICLES - PATENT AND DESIGN
FILING**

**Organised by
Department of pharmacognosy
CERTIFICATE OF PARTICIPATION**

**This is to certify that MR./MS./MRS _____
has participated as Delegate/ Resource person in the Seminar on HERBAL
NANOPARTICLES - PATENT AND DESIGN FILING held on 26/11/2022**



ORGANIZING SECRETARY

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

CONVENOR

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