

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 PHARMACEUTICS <u>REPORT</u>

SEMINAR ON NUTRACEUTICALS WITH PHARMACEUTICS: ITS IMPORTANCE'S AND THEIR APPLICATION

RESOURCE PERSONS 1. Dr.S. CHANDRA., M. PHARM, Ph.D., PROFESSOR AND HOD, JKKMMRF'S ANNAI JKK SAMPOORANIAMMAL COLLEGE OF PHARMACY,

2. Mr.R. SURESH., M. PHARM.

ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, JKKMMRF'S ANNAI JKK SAMPOORANIAMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM-638183

No. of students enrolled: 455 No. of students certified in our institution : 75

Objective: Nutraceuticals is derived from the amalgamation of the term nutrition and pharmaceutical and was coined by Stephen De Felice in 1989. He defined nutraceutical as, "a food (or part of a food) that provides medical or health benefits, including the prevention and/or treatment of a disease" However the terminology is not very popular globally and is mostly substituted by the term "dietary supplements" to meet the stringent regulatory requirements. But microscopically cross-sectioning of both the terms reveals some basic differences like nutraceuticals should always aid in disease prevention or treatment rather than only supplementing the diet

Learning outcomes:

Nutraceutical products provide several pharmacological benefits like anti-aging, protection against some chronic diseases, maintaining body homeostasis, cardiovascular diseases, neurodegenerative diseases, metabolic disorders like diabetes, degenerative diseases like cancer, protein deficiency, ophthalmic complications, allergic problems, and Parkinsonism This part of this chapter will provide an insight into the contribution of nutraceuticals for management of diverse clinical conditions.

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.

DATE: 22.10.2022

No. of students certified: 430



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Principal

REF.NO: JKKM/PHARM/CEU/REQ/2022/001

From

Department of Pharmaceutics, 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.

Subject: Letter for requesting Permission to Conduct on two days seminar regarding: -

Respected Sir,

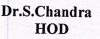
We are writing this letter to request permission to conduct a one-day seminar in the SEMINAR HALL on 20.10.2022 & 21 .10.2022. We wish to conduct seminar regarding the Nutraceuticals with pharmaceutics: Its importance's and their applications.

We request you to kindly permit to conduct seminar program as this would be a great opportunity for Students to learn and that would help a great deal to shape the students.

Looking forward to hearing from you. Thank you

Dr. N.SENTHILKUMAR,

Yours sincerely,





PRINCIPAL JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY ETHIRMEDU, KOMARAPALAYAM - 638-183. NAMAKKAL DISTRICT. TAMILNADU. INDIA. Date:17.10.2022



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DATE:19.10.2022

CIRCULAR

This is informed to the B. Pharm-II, III, IV Students that the following SEMINAR can be conducted by the Department of Pharmaceutics, JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM and it will be commenced as per the schedule:

SEMINAR NAME	SCHEDULE	DURATION	VENUE	RESOURCE PERSON
NUTRACEUTICALS WITH PHARMACEUTICS: ITS IMPORTANCE'S AND THEIR APPLICATION	20.10.2022 & 21 .10.2022	20.10.2022 FN (3 HOURS) &21 .10.2022 FN (3 HOURS)	SEMINAR HALL	Dr.S. CHANDRA Mr.R. SURESH

All the above-mentioned students must enroll 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 #KK MUNIRAJAH MEDICAL RESEARCH FOUNDATION #NNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY ETHIRMEDU, KOMARAPALAYAM - 638 183. #AMAKKAL DISTRICT. TAMILNADU. INDIA.



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SYLLABUS

DATE	HOURS	SEMINAR TOPIC	SUB TOPICS	RESOURCE PERSON
20.10.2022 HOURS) pharm &21.10.2022 &21 10 2022 import	Nutraceuticals with pharmaceutics: Its importance's and their Application	History of nutraceuticals Demand of nutraceuticals Nutraceuticals in drug delivery	Dr.S. CHANDRA	
			Contribution of nutraceuticals in therapeutics Marketed nutraceuticals	Mr.R. SURESH

TOTAL HOURS – 6 HOURS

5. M

HOD



Principal

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JKKMMRF's-ANNAI JKK

SAMPOORANI AMMAL COLLEGE

OF PHARMACY

Komarapalayam,Nammakal Dt-638183 DEPARTMENT OF PHARMACEUTICS SEMINAR TOPIC

Nutraceuticals with pharmaceutics: Its importance and their Applications held on 20.10.2022 & 21.10.2022





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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DEPARTMENT OF PHARMACEUTICS

TWO DAYS SEMINAR ON: Nutraceuticals with pharmaceutics: Its importance and their Applications

ABOUT THE SEMINAR

Modern day work profile has led to the development of a new set of diseases popularly termed as life-style disorders. The common causative agents of these types of disorders are improper diet and dependence on fast foods, lack of physical inactivity, non-alignment with biological clock, incorrect body posture, excessive stress and inadequate rest. Nutraceuticals represent a unique blend of modern science and natural agents and perhaps the best possible solutions for management of lifestyle diseases. Besides these lifestyle disorders are also considered responsible for the predisposition of several complex

clinical conditions Diverse marketed nutraceuticals variants can also help to block the transformation of life style disorders into fatal diseases. Consumer acceptance of nutraceuticals started gaining from 1980 onwards when scientists started indulging into efficacy evaluations of such products followed by their representation in mass media. Other factors like steep rise in medical management costs, increased life expectancy, increased health awareness and available scientific data confirming health benefits of nutraceuticals have also contributed to consumer acceptance of such products. Global nutraceutical market which was approximately 400 billion USD in 2019 is expected to cross nutraceuticals product bouquet along with a healthy pipeline of innovative products booming the market are all contributors to the predicted growth. The entry of generic products may cause a dip in nutraceutical product costs but because of high consumer acceptance, the overall market for such products is expected to remain stable

Nutraceutical products provide several pharmacological benefits like anti-aging, protection against some chronic diseases, maintaining body homeostasis, cardiovascular diseases, neurodegenerative diseases, metabolic disorders like diabetes, degenerative diseases like cancer, protein deficiency, ophthalmic complications, allergic problems and Parkinsonism This part of this chapter will provide an insight to the contribution of nutraceuticals for management of diverse clinical conditions.



LKUMAR,

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

Princip DEPARTMENT OF PHARMACEUTICS

STUDENT FEEDBACK FORM

NAME OF STUDENT: COURSE :

REGISTRATION NO : YEAR & SEMESTER:

SEMINAR TOPIC :

DATE & TIME:

- 1. Overall, how satisfied were you with this seminar?
 - ^C Very satisfied
 - C Satisfied
 - C Neutral
 - ^C Dissatisfied
 - C Very dissatisfied

2. How clear were the ideas and concepts we presented?

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

3. What percentage of the information was new to you?

- C 100%
- C 75%
- C 50%
- C 25%
- C 0%



Dr. N.SENTHILKUMAR.

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

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

- 4. How informative did you find our seminar?
 - ^C Extremely Informative
 - ^C Very Informative
 - ^C Moderately Informative
 - ^C Not very informative
 - ^C Not informative at all
- 5. Were there any technical issues that prevented you from seeing or hearing the seminar?
 - C Yes
 - C No
- 6. Would you like to learn more about this topic?
 - C Yes
 - C No
- 7. Rate the content of the slides/virtual aid?
 - C Extremely clear
 - C Very clear
 - C Moderately clear
 - Not very clear
 - C Not at all clear
- 8. How accurate was the session description?
 - ^C Extremely clear
 - C Very clear
 - ^C Moderately clear
 - C Not very clear
 - C Not at all clear
- 9. How did the session compare to your expectations?
 - Excellent
 - ° Good
 - Fair
 - ° Poor
 - Not at all clear



Dr. N.SENT MAR.

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- 10. How Would you rate the content of the seminar?
 - $\begin{array}{c} 0 \\ 1 \\ 0 \\ 2 \\ 0 \\ 3 \\ 0 \\ 4 \end{array}$
 - C 5



Student Name with Signature

Dr. N.SENTHILKUMAR.

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



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STUDENTS FEEDBACK ANALYSIS

DATE: 21.10.2022

S.NO	QUESTION DESCRIPTION	ANSWERS	MARKS	TOTAL MARKS
		Very satisfied	5	
		Satisfied	3	
1	Satisfaction	Neutral	2	5
		Dissatisfied	1	
		Very dissatisfied	0	
		Extremely clear	5	
		Very clear	4	
2	Clarity	Moderately clear	2	5
		Not very clear	1	
		Not at all clear	0	
		100%	5	
		75%	4	
3	Percentage of the information was new	50%	3	5
		25%	2	
	•	0%	1	
		Extremely Informative	5	
		Very Informative	3	
4	Informative	Moderately Informative	2	5
		Not very informative	1	
		Not informative at all	0	
5 Technica	Technical issues	Yes	5	E
	i connicar issues	No	0	5
6	Like to learn more about this topic	Yes	5	5
		No	0	3
7	Rate the content of the slides/virtual aid	Extremely clear	5	5



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		Moderately clear	2		
		Not very clear	1		
		Not at all clear	0		
		Extremely clear	5		
		Very clear	3		
8	Accuracy of the sessions	Moderately clear	2	5	
		Not very clear	1		
		Not at all clear	0		
9 Session expectations		Excellent	5		
	Good	3			
	Session expectations	Fair	2	5	
		Poor	1		
		Not at all clear	0		
10 Rate the content of the seminar		1	1		
	A DESCRIPTION OF T	2	2 2		
	10		3	3	5
		seminar	4	4	
		5	5		

Total marks = 50

Head of the Department



Principal

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REPORT SUMMARY

DATE: 22.10.2022

Duration of the Course	6 HOURS
Total participants Enrolled	455
Successfully Completed	430
Type of Feedback Assessment	Multiple Choice Questions (MCQ's)
Course Outcome	Nutraceutical products provide several pharmacological benefits like anti- aging, protection against some chronic diseases, maintaining body homeostasis cardiovascular diseases, neurodegenerative diseases, metabolic disorders like diabetes, degenerative diseases like cancer, protein deficiency, ophthalmic complications, allergic problems and Parkinsonism This part of this chapter will provide an insight to the contribution of nutraceuticals for management of diverse clinical conditions.

Feedback Question Analysis - Question Asked-Feedback Rating

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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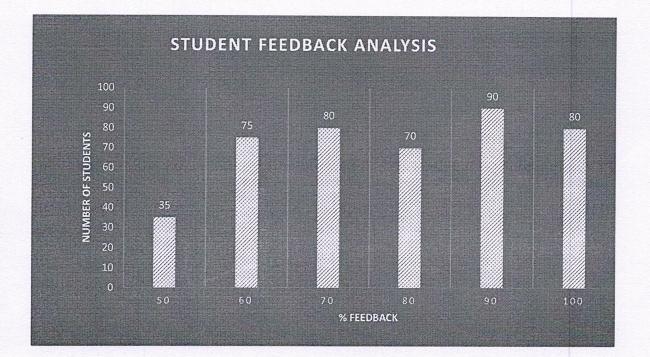
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SEMINAR ON NUTRACEUTICALS WITH PHARMACEUTICS: ITS IMPORTANCE'S AND THEIR APPLICATION **SEMINAR PHOTOS**





Komarapalayam, Tamil Nadu, India

JKKMMRF'S Annai JKK Sampoorni Ammal College of Pharmacy, Salem Main Rd, Vattamalai, Komarapalayam, Tamil Nadu 638183, India Lat 11.444781° Long 77.727702° 21/10/22 11:18 AM GMT +05:30





Komarapalayam, Tamil Nadu, India JKKMMRF'S Annai JKK Sampoorni Ammal College of Pharmacy, Salem Main Rd, Vattamalai, Komarapalayam, Tamil Nadu 638183, India Lat 11.444781°

Long 77.727702 20/10/22 10:32 AM GMT +05:30

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION



ANNALJKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

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Principal

LIST OF PARTICIPANTS

S.NO	NAME OF THE STUDENTS	YEAR	COURSE
1.	DONY D	IV	PHARM D
2.	GODWIN S	IV	PHARM D
3.	JACKSON SELVIN Y	IV	PHARM D
4.	JAYA PRIYA N	IV	PHARM D
5.	JEEVITHA M	IV	PHARM D
6.	JOSEPH CHINNAPPA RAJ J	IV	PHARM D
7.	JOTHIMANI S	IV	PHARM D
8.	KIRUTHIGA O B	IV	PHARM D
9.	MAHALAKSHMI M	IV	PHARM D
10.	NAVEENA S	IV	PHARM D
11.	PRABHAT KUMAR GUPTA	IV	PHARM D
12.	PRADESH C	IV	PHARM D
13.	RAMYA G K	IV	PHARM D
14.	SILAMBARASAN M	IV	PHARM D
15.	SURENDHARAN P	IV	PHARM D
16.	TAMILSELVAN S	IV	PHARM D
17.	THOMAS JUDE RODRIGUES	IV	PHARM D
18.	VIGNESHWAR R	IV	PHARM D
19.	VIMALRAJ G	IV	PHARM D
20.	AAMINA HANEEF	V	PHARM D
21.	ABDUL BASITH M	V	PHARM D
22.	ABISHEK P	V	PHARM D
23.	ALWIN BABYKUTTY ALEX	V	PHARM D



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

24.	ANAGHA S	V	PHARM D
25.	ASWIN A V	V	PHARM D
26.	BERFININ MAHIBA R J	V	PHARM D
27.	BIBIN RIJO W	V	PHARM D
28.	DIVIKA S	V	PHARM D
29.	EZILKKAVIA S	V	PHARM D
30.	FELIC S	V	PHARM D
31.	GNANAGURU C	V	PHARM D
32.	GOPI B	V	PHARM D
33.	KARTHIKA SREEKUMAR J	v	PHARM D
34.	KEZIA K SABU	v	PHARM D
35.	KISHANKANTH P	v	PHARM D
36.	KUMAR V	V	PHARM D
37.	MANOJ KUMAR S	v	PHARM D
38.	NANTHISH N	v	PHARM D
39.	NAVEEN C S	v	PHARM D
40.	NAVEEN V	v	PHARM D
41.	OMARALI THANGAL V	v	PHARM D
42.	PAPITHA S	v	PHARM D
43.	PRAVEEN N	v	PHARM D
44.	RESHMA P VARGHESE	v	PHARM D
45.	SHAFRIN FATHIMA A S	v	PHARM D
46.	N THIRUMURUGAN	v	PHARM D
47.	VENKATESH A	v	PHARM D
48.	ANDLY CHEDRICK C	VI	PHARM D
49.	ASHAM	VI	PHARM D
50.	ASHRITHA D N	VI	PHARM D
51.	DEEPIKAK	VI	PHARM D
52.	HARINI R	VI	PHARM D
53.	JAYAPRAKASH U	VI	PHARM D
54.	JEBISH G S	VI	PHARM D
55.	JEMISHA J	VI	PHARM D
56.	KAVINKISHORE S	VI	PHARM D
57	MUKILAN M	VI	PHARM D
58	PREETHI T	VI	PHARM D
59	PUSHPARAJA	VI	PHARM D
60	RAGHUL G	VI	PHARM D
61	SHANGEETHA S	VI	PHARM D
62	SUDHARSAN V	VI	PHARM D
~~			PHARM D



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64	TAMIL SELVAN S	VI	PHARM D
65	VEDIYAPPAN V	VI	PHARM D
66	YOGAVARSHINI K S	VI	PHARM D
67	AHAMMED KABEER	VI	PHARM D
68	AMRUTHA M.K	VI	PHARM D
69	CHANDNA THERASA		
	MATHEW	VI	PHARM D
70	DEBORAH ROSE	VI	PHARM D
71	HELENNA M	VI	PHARM D
72	MUNEER T	VI	PHARM D
73	NISSY ESTHER JOHN	VI	PHARM D
74	SAMUEL BABU	VI	PHARM D
75	NAIVIN D ALMEDA	VI	PHARM D



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JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY Komarapalayam-638183, Namakkal DEPARTMENT OF PHARMACEUTICS



Two days seminar on

NUTRACEUTICALS WITH PHARMACEUTICS

This is to Certify that

has appreciated for his/her contribution in the seminar held on 20th and 21st of october 2022.



Organizing Secretary

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

NAMAKKAL DISTRICT, TAMILNADU.

Convenor