

**SREE NARAYANA COLLEGE, KOLLAM**

**Biochemistry Department**

Certificate course

2020-2021

**Title**

Oils and fats from plants -Future prospects

**Objectives**

To study the fixed oil present in plants and to bring in light its scope as medicine, food, cosmetic and fuel, to meet the needs of our country

**Relevance**

80 % of edible oil is derived from plant resource. India import 50 % seed oil required for the country. So there is an urgent need for further study in developing new oils and fats from plants. In this background scientific investigation on oils and fats, its constitution and analytical procedure is of great importance.

**Outcome**

An awareness on the potential utility and scope of plant derived oils and fats in various sectors such as food, medicine, cosmetic and fuel. This awareness can lead to new start-ups in this field which will increase the amount of edible oil needed for the country which will in turn curtail the adulteration of oils.



**Sree Narayana College, Kollam**  
**Biochemistry Department**  
**Certificate Course (2020-2021)-30 hrs**

Course code- OFPP01

**Minutes of Board studies of Certificate Course - "Oils and fats from plants - Future prospects".**

**Date -30-09-2020**

**Venue- Biochemistry Department**

For the conduct of this certificate course the Board of Studies was constituted with effect from 03-09-2020. The first meeting was conducted on 30-09-2020. The meeting started at 10 AM and the chairman extended a warm welcome to the members and briefly explained the relevance of the certificate course.

This course was designed to study the fixed oil present in plants and to bring in light its scope as medicine, food, cosmetic and fuel, to meet the needs of our country.

80 % of edible oil is derived from plant resource. India import 50 % seed oil required for the country. So there is an urgent need for further study in developing new oils and fats from plants. In this background scientific investigation on oils and fats, its constitution and analytical procedure is of great importance. This course can provide an awareness on the potential utility and scope of plant derived oils and fats in various sectors such as food, medicine, cosmetic and fuel. This awareness can lead to new start-ups in this field.

All member expressed their views and suggestions and the syllabus was constituted. The course will be conducted in 30 hours, 4 hours per week in online mode due to covid pandemic. UG and PG students in Lifesciences and Chemistry can apply for the course. Timetable was fixed and title was finalised.

The meeting was concluded at 12 AM.

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The meeting was attended by the undersigned Chairman and Members.

**Chairman**

**Dr Ambili S (Coordinator)**  
Assistant Professor  
HOD, Department of Biochemistry  
Sree Narayana College, Kollam



**Members**

**Dr KB RameshKumar**  
Senior Scientist,  
Jawaharlal Nehru Tropical Botanic Garden &  
Research Institute, Palode,  
Thiruvananthapuram



**Dr Vinod B S**  
Assistant Professor  
Department of Biochemistry  
Sree Narayana College, Kollam



**Dr Suma S**  
Assistant Professor  
Department of Chemistry  
Sree Narayana College for Women, Kollam



*Turthaalharayil*  
Principal  
Sree Narayana College  
Kollam



**Sree Narayana College, Kollam**  
**Biochemistry Department**  
**Certificate Course (2020-2021)-30 hrs**

Course code- OFPP01

**Minutes of Board studies of Certificate course - "Oils and fats from plants -Future prospects".**

**Date -15-10-2020**

**Venue- Biochemistry Department**

The meeting started at 10 AM and the chairman extended a warm welcome to the members. Members reviewed the progress of course. It was decided to conduct the exam on 2-11-2020. Questions suggested by all members were included

The meeting was attended by the undersigned Chairman and Members.

**Chairman**

**Dr Ambili S (Coordinator)**

Assistant Professor  
HOD, Department of Biochemistry  
Sree Narayana College , Kollam

**Members**

**Dr KB RameshKumar**

Senior Scientist,  
Jawaharlal Nehru Tropical Botanic Garden &  
Research Institute, Palode,  
Thiruvananthapuram

**Dr Vinod B S**

Assistant Professor  
Department of Biochemistry  
Sree Narayana College , Kollam

**Dr Suma S**

Assistant Professor  
Department of Chemistry  
Sree Narayana College for Women, Kollam

The meeting was attended by the undersigned Chairman and Members.

**Chairman**

**Dr Ambili S (Coordinator)**  
Assistant Professor  
HOD, Department of Biochemistry  
Sree Narayana College, Kollam



**Members**

**Dr KB RameshKumar**  
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**SREE NARAYANA COLLEGE, KOLLAM**

Biochemistry Department

**"Oils and fats from plants -Future prospects"** (course code OFPPF01)

Certificate course (30 hours)-Syllabus

2020-2021

Module I-Distribution and diversity of oils and fats in plant kingdom

Module II-Applications of oils and fats

Module III- Chemistry of oils and fats

Module IV- Extraction and analysis of oils and fats

Module V- Scope for herbal technology start-ups in oils and fats sector

Coordinator



Dr Ambili S

Assistant Professor  
Department of Biochemistry

**Sree Narayana College , Kollam**  
Biochemistry Department  
Certificate Course (2020-2021)-30 hrs  
"Oils and fats from plants -Future prospects".  
Course code- OFPFP01

**Time Table**

	4pm -5pm
MON	(KBR) mod I
WED	(AMB) Mod II
FRI	(PR) Mod III
SAT	(KBR) Mod IV &V

KBR - Dr KB RameshKumar

AMB - Dr Ambili S

PR - Dr Priya Rani

**DEPARTMENT OF BIOCHEMISTRY  
CERTIFICATE COURSE  
2020-2021**

**“Oils and fats from plants -Future prospects”**

**BOARD OF STUDIES**

**Chairman**

**Dr Ambili S (Coordinator)**  
Assistant Professor  
HOD, Department of Biochemistry  
Sree Narayana College, Kollam

**Members**

**Dr KB RameshKumar**  
Senior Scientist,  
Jawaharlal Nehru Tropical Botanic Garden &  
Research Institute, Palode,  
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**SREE NARAYANA COLLEGE, KOLLAM**  
Affiliated to University of Kerala  
NAAC Re-Accredited with 'A' Grade

### NOTICE

This is to inform all the members of Board of Studies that there will be a meeting of Certificate Course on 30/09/2021 at 10 am at the Biochemistry Department

#### Agenda

- Preparation of Syllabus
- Title selection of Certificate Course
- Brochure preparation of the course
- Timetable

Dr Ambili S - Course Coordinator



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### NOTICE

This is to inform all the members of Board of Studies that there will be a meeting of Certificate Course “Oils and fats from plants -Future prospects” on 15/10/2021 at 10 A.M at the Biochemistry department

#### Agenda

- Question paper setting
- Exam date

Dr Ambili S - Course Coordinator

**Sree Narayana College , Kollam**  
**Biochemistry Department**  
**Certificate course (2020-2021) 30 hours**  
**Course code- OFFP01**

**List of teachers who are handling classes for certificate course**

Sl No	Name and address of the faculty
1.	<b>Dr KB RameshKumar</b> Senior Scientist, KSCSTE-JNTBGRI, Palode, Thiruvananthapuram
2	<b>Dr Priya Rani</b> Young Scientist Fellow of DST KSCSTE-JNTBGRI, Palode, Thiruvananthapuram
3	<b>Dr Ambili S</b> Assistant Professor HOD, Department of Biochemistry Sree Narayana College, Kollam

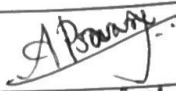
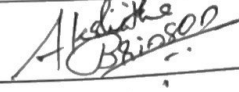
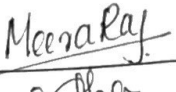
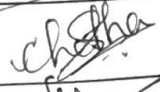


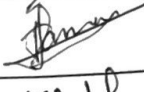
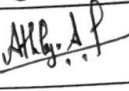

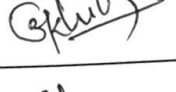


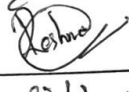
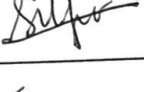

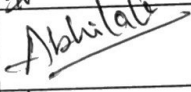

Sree Narayana College , Kollam

Biochemistry Department

Certificate course (2020-2021) 30 hours, Course code- OFPPF01

"Oils and fats from plants -Future prospects".

LIST OF PASSED STUDENTS (20-21)

Sl No	NAME OF STUDENT	DEPARTMENT	SIGNATURE
1.	AISWARYA PRAVEEN	BIOTECHNOLOGY	
2.	AKSHITHA BRINSON	BIOTECHNOLOGY	
3.	MEERA RAJ	BIOTECHNOLOGY	
4.	CHETHANA BS	BIOTECHNOLOGY	
5.	SHAFIYA JAHAN F	BIOTECHNOLOGY	
6.	FAITH S DAS	BIOTECHNOLOGY	
7.	JANNATH A	BIOTECHNOLOGY	
8.	ATHYLYA ANIL	BIOTECHNOLOGY	
9.	KRISHNAN UNNI	BIOTECHNOLOGY	
10.	AKHILA SA	BIOTECHNOLOGY	
11.	AKHILA JR	CHEMISTRY	
12.	DRISHYA SASIDHARA N	CHEMISTRY	
13.	RESHMA GR	CHEMISTRY	
14.	SILPA R	CHEMISTRY	
15.	VARSHA S	CHEMISTRY	
16.	ABHILAL RS	CHEMISTRY	
17.	ABHIJITH S	CHEMISTRY	

Sree Narayana College , Kollam

Biochemistry Department

Certificate course (2020-2021) 30 hours, Course code- OFPFP01

“Oils and fats from plants -Future prospects” .

LIST OF STUDENTS SELECTED FOR THE COURSE (20-21)

SI No	NAME OF STUDENT	DEPARTMENT	ADDRESS
1.	AISWARYA PRAVEEN	BIOTECHNOLOGY	ARANG, KOTTIKADA,P.O, KOLLAM
2.	ADARSH KUMAR	BIOTECHNOLOGY	KAMALAMMA NIVAS, AMBALATHARA, MARAYAMUTTOM, PO, NEYYANTINKARA, THIRUVANANTHAPURAM
3.	AKSHITHA BRINSON	BIOTECHNOLOGY	PUTHENVILA VEEDU, DECENT JUNCTION, KOLLAM
4.	MEERA RAJ	BIOTECHNOLOGY	BINDU BHAVAN, KANNIMEL CHERY, KAVANADU PO, KOLLAM
5.	CHETHAN A BS	BIOTECHNOLOGY	LAL BHAVAN, MUTTAPPALAM PO, VARKALA
6.	SHAFIYA JAHAN F	BIOTECHNOLOGY	SAJI MANZIL, THUNDIL VADAKKATHIL, ERAVIPURAM, PO, KOLLAM
7.	FAITH S DAS	BIOTECHNOLOGY	KODIYAZHIKAM, SARAVANANAGAR, ERAVIPURA M, KOLLAM
8.	JANNATH A	BIOTECHNOLOGY	JANNATH MANZIL, COLLEGE NAGAR, VADAKKEVILA, PALLIMUKKU, KOLLAM
9.	ATHULYA ANIL	BIOTECHNOLOGY	VILAYIL VADAKKATHIL, PUTHUKKADU PO, CHAVARA, KOLLAM
10.	KRISHNAN UNNI	BIOTECHNOLOGY	KAITHAKKATTU 2, KOTTACKAKOM, CHAVARA
11.	AKHILA SA	BIOTECHNOLOGY	SINDHU BHAVAN, KUDAVATTOOR PO, ODANAVATTOM, KOTTARAKKARA, KOLLAM
12.	AKHILA JR	CHEMISTRY	SREE RANGATHU VEEDU  MYLODE MYLODE P O

			691537
13.	DRISHYA SASIDHAR AN	CHEMISTRY	THIRUVONAM MYLODE MYLODE 691537
14.	RESHMA GR	CHEMISTRY	RESHMA BHAVAN NETTAYAM P O NETTAYAM 691537
15.	SANDEEP U	CHEMISTRY	RAVI MANDIRAM PATTATHANAM P O PATTATHANAM 691021
16.	SILPA R	CHEMISTRY	KALARIVILA PUTHEN VEEDU CHERUVAKKAL CHERUVAKKAL P O 691533
17.	VARSHA S	CHEMISTRY	THUNDIL VEEDU PANMANA PUTHENCHANTHA PO 691583
18.	ABHILAL RS	CHEMISTRY	CHENAVILA VEEDU MAYYANAD
19.	ABHIJITH S	CHEMISTRY	THACHAYIL PANMANA PUTHENCHANTHA P O 691583
20.	LAVANYA MA	CHEMISTRY	MANIMANDIRAM Kaithakuzhy ADHICHANALOR 691573

*Thachayil*  
Principal  
Sree Narayana College  
Kollam

