

SREE NARAYANA COLLEGE, KOLLAM

Biochemistry Department

Certificate course 2018-2019

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 (2018-2019) 30 hours
Course code- OFPFP01

Board of studies - "Oils and fats from plants -Future prospects"

Certificate course in "Oils and fats from plants -Future prospects" which will be beneficial for the students of various programmes such as Botany, Zoology, Biotechnology and Chemistry in understanding methods of scientific investigation on oils and fats, its constitution and analytical procedure and to explore the possibility of entering into startups in various sectors such as food, medicine, cosmetic and fuel,

For the conduct of this certificate course the Board of Studies is constituted with effect from 04-08-2018

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

Sree Narayana College, Kollam
Biochemistry Department
Certificate Course (2018-2019)-30 hrs

Course code- OFPFP01

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

Date -04-08-2018

Venue- Biochemistry Department

For the conduct of this certificate course the Board of Studies was constituted with effect from 04-08-2018. The first meeting was conducted on 04--08-2018. 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/offline mode. 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 noon.

Continued to page 2

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



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Assistant Professor
Department of Biochemistry
Sree Narayana College , Kollam



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



Parvathharajil
Principal
Sree Narayana College
Kollam



Sree Narayana College, Kollam
Biochemistry Department
Certificate Course (2018-2019)-30 hrs

Course code- OFPFP01

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

Date -15-10-2018

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 19-11-2018. 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
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



Arunkumar
Principal
Sree Narayana College
Kollam



SREE NARAYANA COLLEGE, KOLLAM

Biochemistry Department

"Oils and fats from plants -Future prospects" (course code OFFP01)

Certificate course (30 hours)-Syllabus

2018-2019

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 (2018-2019)-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
2019-2020**

“Oils and fats from plants -Future prospects”

NOTICE

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,

Thiruvananthapuram

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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 “Oils and fats from plants -Future prospects” on 04/08/2018 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 15/10/2018 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 (2018-2019) 30 hours
Course code- OFPP01

“Oils and fats from plants -Future prospects”

List of teachers who are handling classes for certificate course

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

SREE NARAYANA COLLEGE KOLLAM

CERTIFICATE COURSE 2018-19

Department:

BIOCHEMISTRY

Name of Certificate

course:

OILS AND FATS FROM PLANTS-FUTURE PROSPECTS

No. of students enrolled:

25

No. of students passed:

20

Sl No.	Candidate Code	Name of Candidate	Department	Signature
1.	24717132002	ASWATHY VS	BIOTECHNOLOGY	<i>Aswathy vs</i>
2.	24717132007	HARISHMA KANNAN	BIOTECHNOLOGY	<i>Harishma</i>
3.	24717132009	PRANAV A	BIOTECHNOLOGY	<i>Pranav A</i>
4.	24717132011	SURABHI M	BIOTECHNOLOGY	<i>Surabhi M</i>
5.	24717132018	AKHILA PRADEEP S	BIOTECHNOLOGY	<i>Akhila</i>
6.	24717132022	ARCHA MOHAN	BIOTECHNOLOGY	<i>Archa</i>
7.	24717132023	ARYA S	BIOTECHNOLOGY	<i>Arya S</i>
8.	24717132028	MOHAMMED FEBIN F	BIOTECHNOLOGY	<i>Febin F</i>
9.	24717132029	PRAVEENA P	BIOTECHNOLOGY	<i>Praveena P</i>
10.	24717132031	SIDHARTH B	BIOTECHNOLOGY	<i>Sidharth B</i>
11.	24717132034	VISHNUNATH GS	BIOTECHNOLOGY	<i>Vishnunath GS</i>
12.	23517132003	ACHU S	CHEMISTRY	<i>Achu S</i>
13.	23517132007	ARYA B	CHEMISTRY	<i>Arya B</i>
14.	23517132009	GOKUL RAJ	CHEMISTRY	<i>Gokul Raj</i>
15.	23517132012	KRISHNAPRIYA S	CHEMISTRY	<i>Krishnapriya S</i>
16.	23517132016	PARAMESWARI P	CHEMISTRY	<i>Parameswari P</i>
17.	23517132020	SIVAPRIYA A	CHEMISTRY	<i>Sivapriya A</i>
18.	23517132024	ADARSH S	CHEMISTRY	<i>Adarsh S</i>
19.	23517132025	AKHIL BABU	CHEMISTRY	<i>Akhil Babu</i>
20.	23517132033	DEVIKA P	CHEMISTRY	<i>Devika P</i>

Dr. Anshu S

Sree Narayana College , Kollam
Biochemistry Department
Certificate course (2018-2019) 30 hours
Course code- OFFP01
"Oils and fats from plants -Future prospects"

MARKLIST OF PASSED STUDENTS

SI No	NAME OF STUDENT	MARK MAX 50
1.	ASWATHY VS	49
2.	HARISHMA KANNAN	50
3.	PRANAV A	50
4.	SURABHI M	50
5.	AKHILA PRADEEP S	49
6.	ARCHA MOHAN	49
7.	ARYA S	49
8.	MOHAMMED FEBIN F	48
9.	PRAVEENA P	50
10.	SIDHARTH B	47
11.	VISHNUNATH GS	47
12.	ACHU S	50
13.	ARYA B	49
14.	GOKUL RAJ	48
15.	KRISHNAPRIYA S	50
16.	PARAMESWARI P	49
17.	SIVAPRIYA A	50
18.	ADARSH S	45
19.	AKHIL BABU	46
20.	DEVIKA P	50

[Signature]
Dr. Anshika S

[Signature]
Principal
Sree Narayana College
Kollam

