



DEPARTMENT : CHEMISTRY

ACTIVITY : CONSULTANCY

YEAR : 2019-2020

DEPARTMENT OF CHEMISTRY

DATE	TIME	VENUE
03.02.2020	9.30 a.m. to 3.00 p.m.	Chemistry Lab EMGYWC
Theme	To inculcate Eco-friendly Awareness	
Nature of the Activity	Consultancy Activity	
Title	Preparation of bio-plastic from orange peel	
Convener	Mrs.P.Bhuvaneswari Head, Assistant Professor of Chemistry EMGYWC	
Resource Person	Dr.A. Ramya Assistant Professor of Chemistry EMGYWC	
Participants	School Students - 18	

CONSULTANCY ACTIVITY -PREPARATION OF BIO-PLASTIC FROM ORANGE PEEL

Objective:

- To develop an eco-friendly bioplastic using orange peel as a raw material.
- To identify the optimum concentration of orange peel extract required for effective bioplastic formation.
- To promote sustainable practices by utilizing fruit waste for biodegradable product development.
- To understand the role of limonene extraction in the bioplastic preparation process.

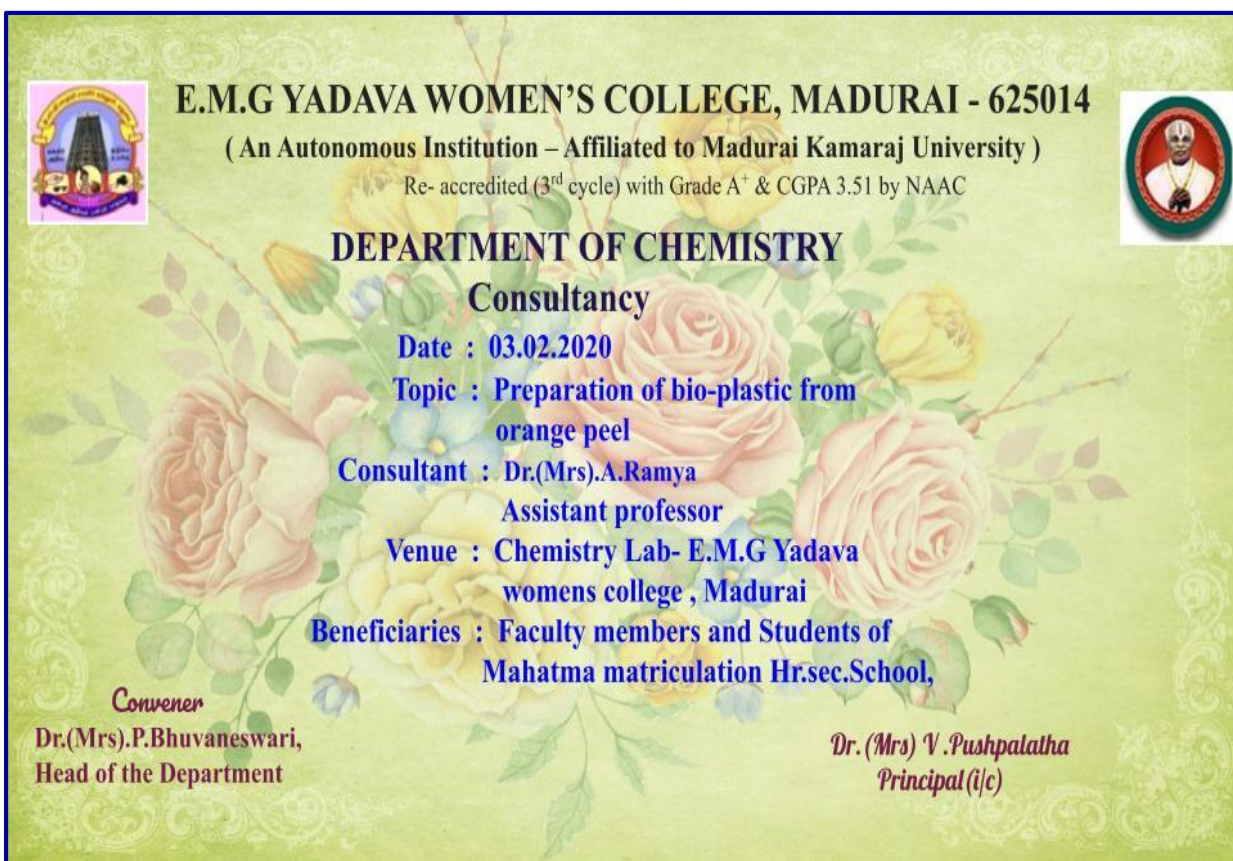
E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE


Programme Outcomes:


1. Students gained practical knowledge of preparing bioplastic using orange peel waste through the leaching of limonene.
2. Students successfully determined the optimal concentration of orange peel extract for effective bioplastic synthesis.
3. The programme enhanced awareness about waste-to-resource conversion and sustainable material development.
4. Students understood the environmental benefits and potential applications of biodegradable plastics in reducing plastic pollution.

Enclosures:

a. Invitation:



 **E.M.G YADAVA WOMEN'S COLLEGE, MADURAI - 625014**
(An Autonomous Institution – Affiliated to Madurai Kamaraj University)
Re- accredited (3rd cycle) with Grade A⁺ & CGPA 3.51 by NAAC



DEPARTMENT OF CHEMISTRY
Consultancy
Date : 03.02.2020
Topic : Preparation of bio-plastic from orange peel
Consultant : Dr.(Mrs).A.Ramya
Assistant professor
Venue : Chemistry Lab- E.M.G Yadava womens college , Madurai
Beneficiaries : Faculty members and Students of Mahatma matriculation Hr.sec.School,

Convener
Dr.(Mrs).P.Bhuvaneswari,
Head of the Department

Dr. (Mrs) V. Pushpalatha
Principal (i/c)

Photograph:



Consultancy Activity - Preparation of Bio-Plastic from Orange Peel - 03.02.2020

1. Student participants from Mahatma Matriculation Hr. Sec. School, Madurai:

Consultancy	
2019 - 2020	
Students Name	Signature
P. Dhinasini	P. Dhinasini
P. Divya Bhatthi	A. Divyabhatthi
V. Sneha	B. Shoba
S. Vidhya	S. Vidhya
V. Akalaya	V. Arula
R. Harani	R. Harani
K. Raji	K. Raji
T. Hemantubha	T. Hemantubha
V. Kousalya	V. Grousalaya
R. Pandishevi	R. Pandi selvi
C. Paramasivam	C. paramasivan
M. Smritsh	m. Smritsh
M. S. Welha	M. my
R. Moosellam;	
M. Divya Bhatthi	
E. Sankhazana	
V. Sharmila Selva	
C. Kartik	
<p>Thanks again and have a great Chemistry lab, and then very nice students. Very like it.</p> <p>20/6/20</p> <p>Thanks again and have a great Chemistry</p>	