

DEPARTMENT OF CHEMISTRY - CONSULTANCY SERVICE

NATURAL MOSQUITO REPELLENT

Department of Chemistry started Consultancy Service on “Natural Non-Toxic Mosquito Repellent” from the academic year 2015-16. This programme is helpful for creating the awareness among the people about the harmful effects of mosquito repellents and it provides the knowledge about uses of natural mosquito repellents.

Our department will give the information about the preparation of natural mosquito repellents with maximum cost.

Natural mosquito repellents can be prepared by using the simple ingredients like 1) Neem oil

2) Camphor

Which are available in our home:

As mosquito coils machines creams has harmful effects like

- ❖ A mosquito coil is equal to 100 cigarettes. The smoke coming out is 10 times more hazardous than the cigarette smoke.
- ❖ The machine repellents can be the cause of respiratory diseases like asthma sinus and bronchitis
- ❖ Those creams can be hazardous and may cause skin allergies and cancer.
- ❖ The blood seeking mosquitoes can be controlled by using the natural mosquito repellents.
- ❖ Our department provide the awareness to people about the preparation and uses of natural mosquito repellents.
- ❖ For the preparation of natural mosquito repellents we require
 - 1) Neem oil keep
 - 2) Camphor – 3, 4 bales.
- ❖ We collect fresh neem leaves from our college. Soak the neem leaves in coconut oil and extract the Neem oil.
- ❖ To this camphor balls are added and filled in refill.
- ❖ Department sell the mosquito repellents to staff members and students and generate money.

2018-19



Chemistry staff & Students preparing mosquito repellent

ACADEMIC YEAR: 2018-19

NAME OF THE DEPARTMENT: UG Chemistry.

TITLE OF THE CONSULTANCY: Mosquito repellent

BRIEF REPORT OF THE CONSULTANCY PROGRAMME:

Insect repellents are important tools for prevention of insect-borne disease as well as painful or uncomfortable insect bites. Used for prevention of malaria, viral fevers.

S. No	DATE	NAME OF THE CONCERNED PERSON	AMOUNT PAID	SIGNATURE
1	9-9-2018	K. Sasi Kumar	100/-	K. Sasi Kumar
2	2-12-2018	N. Geeta	100/-	N. Geeta
3	5-12-2018	K. Ramakrishna	100/-	K. Ramakrishna
4	1-1-2019	Sk. Shatirisha	100/-	Sk. Shatirisha
5	8-2-2019	Sk. Ameesha Begam	100/-	Sk. Ameesha
6	22-3-2019	K. V. L. Haritha	100/-	K. V. L. Haritha
7	26-3-2019	G. Sri Lakshmi	100/-	G. Sri Lakshmi
8	28-4-2019	Ch. Meghana	100/-	Ch. Meghana
9	30-4-2019	A. Sai Saumya	100/-	A. Sai

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

KOTHAPETA, VIJAYAWADA - 520 001

ACADEMIC YEAR: 2017- 20 18**TITLE OF THE CONSULTANCY :** Natural mosquito repellants:

S.NO	DATE	NAME OF THE CONCERNED PERSON	AMOUNT PAID	SIGNATURE OF THE CONCERNED PERSON
1.	2-2-18	K.P.T. Vijaya Bhaska	100/- Paid	<u>K.P.T.</u>
2.	3-2-18	V. Ranga Babu	100/-	<u>V. Ranga Babu</u>
3.	3-2-18	D. Venkata Rao	100/-	<u>D.V.V.R.</u>
4.	6-2-18	Lebaka Srikanth	100/-	<u>L.S.K.</u>
5.	6-2-18	A. Srinivasa Rao	100/-	<u>A.S.R.</u>
6.	6-2-18	PedaPudi Srinivasa Rao	100/-	<u>P. Srinivasa Rao</u>
7.	8-2-18	CH. Subba Rao	100/-	<u>CH.S.R.</u>
8.	8-2-18	M. Siva Kumar	100/-	<u>M.S.S.R.</u>
9.	8-2-18	K. Rama Krishna	100/-	<u>K. Rama Krishna</u>

900/-

Consultancy Service
“Natural Mosquito Repellents”
Department of Chemistry
Academic Year: 2017-18



Neem Leaves



Camphor



Coconut oil

Extraction of Neem oil



Extraction of Neem oil



Filling process

Consultancy Service
“Natural Mosquito Repellents”
Department of Chemistry
Academic Year: 2016-17



Neem Leaves



Camphor



Coconut oil

Extraction of Neem oil



Extraction of Neem oil

Filling process



KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

KOTHAPETA, VIJAYAWADA - 520 001

ACADEMIC YEAR: 2016 - 2017

TITLE OF THE CONSULTANCY : Natural mosquito repellents.

S.NO	DATE	NAME OF THE CONCERNED PERSON	AMOUNT PAID	SIGNATURE OF THE CONCERNED PERSON
1.	03.01.17	URVASI APARTMENTS, ABBURIVARI STREET, S-N-PURAM, VIJAYAWADA	60	D. Appa R
2	5.01.17	P Ravindra, Gannavayam and 2-120, Krishna Dist	60	Zainab
3	7.01.17	M. Yamini madhulethadevi	60	M. Yamini
4.	10.01.17	R. Phani Kumar	60	Phani
5	11.01.17	P. Uma maheswari	60	Uma
6.	20.01.17	A. Lavanya.	60	Lavanya
7.	020.17	A. dhana lakshmi	60	A. dhana lakshmi
8.	03.02.17	P. Eswaray Kumar	60	Eswaray Kumar
9.	07.02.17	J. Rama Devi	60	Rama
10.	09.02.17	B. Prasanna Singh	60	Prasanna
11.	10.02.17	R. Sri Naveen	60	Naveen
12	11.02.17	Yasvitha	60	Yasvitha
13.	12.02.17	Sahra Rani	60	Sahra Rani
14.	14.02.17	L. V. Prasad	60	Prasad

Total 840/-

Consultancy Service

“Natural Mosquito Repellents”

Department of Chemistry

Academic Year: 2015-16



Neem Leaves



Camphor



Coconut oil

Extraction of Neem oil



Extraction of Neem oil

Filling process



KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
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ACADEMIC YEAR: 2015-2016

TITLE OF THE CONSULTANCY : *Natural mosquito repellents.*

S.NO	DATE	NAME OF THE CONCERNED PERSON	AMOUNT PAID	SIGNATURE OF THE CONCERNED PERSON
1	02.12.15	M.VENKATA RAMANA	50	<i>M. Venkata Ramana</i>
2	04.12.15	B. Govindarathly	50	<i>B. Govindarathly</i>
3	05.12.15	T. Kondale	50	<i>T. Kondale</i>
4	08.12.15	G. Prabhakar	50	<i>G. Prabhakar</i>
5	10.12.15	K. Prasad	50	<i>K. Prasad</i>
6	11.12.15	A. Sathya	50	<i>A. Sathya</i>
7	12.12.15	Ch. Durga Prasad	50	<i>Ch. Durga Prasad</i>
8	17.12.15	M. Addiah	50	<i>M. Addiah</i>

Total 400 /-

Department of Chemistry

Consultancy Service - Water Analysis 2014-2015

Department of chemistry started consultancy service on voluntary's from the academic year 2012-2013.

In this programme we analysis the water samples of different areas and provides the awareness on hardness of water.

The hardness of water is due the presence of dissolved salts of the and Mg. As hardness of water increases. The water is not useful for drinking and household purpose. The hardness of water also effect the growth metabolism of organisms like humans and fisher etc.

Our department analysis the hardness of water by using complex metric analysis for this we use EDTA as completing agent and ferrochrome back T is used indicator.

Our department analysis the PH values of different water samples of RO Systems given by the people by using PH Meter.

Our department analysis the water samples of given people at free of cost.

Consultancy Service

“Water Analysis”

Department of Chemistry
Academic Year: 2014-15



KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

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ACADEMIC YEAR: 2014-2015

TITLE OF THE CONSULTANCY: Water analysis

S.NO	DATE	NAME OF THE CONCERNED PERSON	AMOUNT PAID	SIGNATURE OF THE CONCERNED PERSON
1.	13.6.14	M. Vasuya	free consultancy	<i>M. Vasuya</i>
2.	17.7.14	T. Rajya Lakshmi	free consultancy	<i>T. Rajya Lakshmi</i>
3.	17.7.14	P. Muthyalu	free consultancy	<i>P. Muthyalu</i>
4.	1.8.14	R. Sita, Mala Lakshmi	free consultancy	<i>R. Sita</i>
5.	5.8.14	A. Naga mallikarjuni	free consultancy	<i>A. Naga mallikarjuni</i>
6.	6.9.14	M. S. Radhe Krishna	free consultancy	<i>M. S. Radhe Krishna</i>
7.	7.9.14	R. V. Rama Rao	free consultancy	<i>R. V. Rama Rao</i>
8.	30.10.14	T. Bhagya Kumari	free consultancy	<i>T. Bhagya Kumari</i>
9.	20.10.14	T. N. V. Swarna Latha	free consultancy	<i>T. N. Swarna Latha</i>
10.	21.12.12	A. Sujatha	free consultancy	<i>A. Sujatha</i>

Consultancy Service

“Water Analysis”

Department of Chemistry

Academic Year: 2013-14



KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

KOTHAPETA, VIJAYAWADA - 520 001

ACADEMIC YEAR: 2013-2014

TITLE OF THE CONSULTANCY: Water analysis

S.NO	DATE	NAME OF THE CONCERNED PERSON	AMOUNT PAID	SIGNATURE OF THE CONCERNED PERSON
01	15.6.13	M. Krishnamurthy, Vijayawada	free consultancy	M. Krishnamurthy
02	20.7.13	B. Sri Krishna, Vijayawada	free consultancy	B. Sri Krishna
03	20.7.13	T. CHALA PATNI, Bhu	free consultancy	T. Chalapathi Rao
04	4.8.13	P. Pandu, Vijayawada	free consultancy	P. Pandu
05	6.9.13	M. Vanga Rao	free consultancy	M. Vanga Rao
06	6.9.13	G. Tivala Purnima	free consultancy	G. T. Rao
07	22.10.13	Ch. Satish Kumar	free consultancy	Satish Kumar
08	22.10.13	K. Ashok Kumar	free consultancy	Ashok Kumar
09	21.12.13	A. Srinivasa	free consultancy	A. Srinivasa