REMOVAL OF FLUORIDE ION IN POTABLE WATER USING COFFEE GROUND

SUBMITTED BY

- ANAGHA C (PWATSCH005)
- ANVITHA SHYAM (PWATSCH007)
- SMRUTHI N (PWATSCH015)
- GOPIKA M (PWATSCH029)
- NEAMAH FATHIMA MR (PWATSCH032)

DEPARTMENT OF CHEMISTRY
PROVIDENCE WOMEN'S COLLEGE
CALICUT – 09

Submitted to the University of Calicut in Partial Fulfilment of the Requirements For the award of the Degree of BACHELOR OF SCIENCE in CHEMISTRY



Under the Guidance of MS. ANEESHA KP

Junior Chemist, Water Lab.

Certified that this project entitled "REMOVAL OF FLUORIDE ION IN POTABLE WATER" is based on the bonafide work done by ANAGHA C (PWATSCH005), ANVITHA SHYAM (PWATSCH007), SMRUTHI N (PWATSCH015), GOPIKA M (PWATSCH029), NEAMAH FATHIMA MR (PWATSCH032) under my supervision and guidance in partial fulfilment of the requirements for the award of the DEGREE OF BACHELOR OF SCIENCE in CHEMISTRY in the year 2021-2022.

Place: Malaparamba

Date: May 2022

Dr. Sr. Asha Thomas

Head of the department

Department of chemistry

COMPARITIVE STUDY OF DIFFERENT HONEY SAMPLES

SUBMITTED BY

□ RAMEESHA JARHAN V	(PWATSCH034)
□ MEGHA KT	(PWATSCH003)
☐ MUFEEDA PARVIN MP	(PWATSCH031)
□ THASNI A	(PWATSCH041)

Under the Guidance of

GOPIKA A

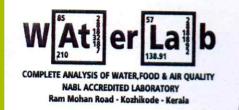
Senior Chemist (Water Lab Calicut)

Submitted to the University of Calicut in Partial Fulfillment of the Requirements

For the award of the Degree of BACHELOR OF SCIENCE in CHEMISTRY



DEPARTMENT OF CHEMISTRY PROVIDENCE WOMEN'S COLLEGE CALICUT – 09 2021-22





This is to certify that Ms. Rameesha Jarhan V, Mufeeda Parvin MP, Thasni A, Megha KT Department of Chemistry, Providence Women's College, Calicut has undergone internship Training and Project entitled "Camparitive Study of Different Honey sample" is an original work done by them at Water lab under my guidance.

Date: 8/02/2022 Place: Calicut

Sr. ASHA THOMAS

Assistant Professor & Head

Dept. of Chemistry

Providence Women's College

Calicut-9

* Date PO

Gopika A Senior Chemist Water Lab

Jud Jeeja Ratifi A.T.

Jeeja Ratific Deliege Calicut

P.G. & Research Deliege College College Calicut

P.G. & Research Deliege College Col





MINIMIZATION OF COD AND BOD IN DOMESTIC WASTE WATER USING CHLORELLA

SUBMITTED BY

❖ DEVAMITHRA M (PWATSCH026)
 ❖ FATHIMA SHIRIL V (PWATSCH028)
 ❖ MARIYAM BINTH JAHFAR (PWATSCH030)
 ❖ NILA S (PWATSCH012)

Under the guidance of MS. GOPIKA A

Senior chemist, Water lab Calicut

Submitted to the University of Calicut in Partial Fulfilment of the Requirements

For the award of the Degree of

BACHELOR OF SCIENCE in CHEMISTRY



DEPARTMENT OF CHEMISTRY
PROVIDENCE WOMEN'S COLLEGE
CALICUT-09, 2021-22

This is to certify that this project entitled "MINIMIZATION OF COD AND BOD USING CHLORELLA" is submitted to the University of Calicut in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF SCIENCE in CHEMISTRY at Providence Women's College, is a bonafide reward of the project carried out by DEVAMITHRA M (PWATSCH026), FATHIMA SHIRIL V (PWATSCH028), MARIYAM BINTH JAHFAR (PWATSCH030), NILA S (PWATSCH012) under guidance and supervision of Ms. Gopika A, Water lab, in the year 2021-2022.

DATE: May 2022

EXAMINERS:

2.

A Computational Study On Global Parameters Of Polyphenolic Compounds

Project report submitted to University of Calicut in partial fulfilment of the requirement for the award of the degree

Bachelor of Science in CHEMISTRY

Submitted by

AYSHA ZERIN PWATSCH001

MEGHNA BABU PWATSCH010

SONA K S PWATSCH016

AMAYA N PWATSCH021

SAHNA P T PWATSCH035



Department of Chemistry

Providence Women's College, Calicut

May 2022

This is to certify that the project titled "A Computational Study on Global Parameters of Polyphenolic Compounds" is the original work carried out by, Aysha Zerin (PWATSCH001), Meghna Babu (PWATSCH010), Sona K S (PWATSCH016), Amaya N (PWATSCH021), Sahna P T (PWATSCH035) for the award of the degree of Bachelor of Science in Chemistry of University of Calicut under my supervision and guidance at Department of Chemistry, Providence Women's College, Calicut.

Dr. Deepthi Jose

Assistant professor

Department of Chemistry

Providence Women's College Calicut

Dr. Sr. Asha Thomas

Head of the Department of Chemistry

Providence Women's College Calicut.

May 2022

PROJECT REPORT

TOPIC: EXTEND OF POLLUTION IN CHALIYAR RIVER BANK AND REMEDIES FOR ITS MINIMISATION

Submitted to the University of the Calicut in partial fulfilment of the requirements for the award of Degree of

Bachelor of Science in Chemistry

By

Alphonsa P J

Reg. No PWATSCH020

Anjali Krishna T H

Reg. No PWATSCH024

Sreelakshmi Vinay A P Reg. No PWATSCH039

Suriya Thomas

Reg. No PWATSCH017

Dept. of Chemistry

Providence Women's College, Calicut



Under the Guidance of:
Gopika A,
Senior Chemist
Water Lab, Kozhikode.

This is to certify that the project work entitled "Extend of pollution in Chaliyar River Bank and Remedies for its Minimization" is submitted to the university of Calicut in partial fulfilment of the requirements for the award of the degree of Bachelor of Science in Chemistry at Providence Women's College, is a bonafide reward of the project work carried out by Alphonsa P J, Anjali Krishna T H, Sreelakshmi Vinay A P, Suriya Thomas, under the supervision and guidance of Gopika A.

DATE: May 2022

& A. Asha Thomas HEAD OF THE DEPARTMENT

EXAMINERS

1. fug

2.

Jeeja Raiii. A.T

Assistant Professor

Research Dept. of Chemistry

Malabar Christian College

PROJECT REPORT

TOPIC: EFFECTIVE DYE REMOVAL USING RICE HUSK IN TEXTILE EFFLUENT

Submitted to the University of the Calicut in partial fulfillment of the requirements for the award of Degree of

Bachelor of Science in Chemistry

By

RIYA SUNIL	Reg.no. PWATSCH004
EMIL MARY BINU	Reg.no. PWATSCH008
GAYATHRI KRISHNA M G	Reg.no. PWATSCH009
NANDA S	Reg.no. PWATSCH011
SANIKHA DINESH	Reg.no. PWATSCH014

Dept. of Chemistry

Providence Women's College, Calicut



This is to certify that the project work entitled " Effective dye removal using Rice husk in textile effluent" is submitted to the university of Calicut in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Chemistry at Providence Women's College, is a bonafide reward of the project work carried out by Riya Sunil, Emil Mary Binu, Gayathri Krishna M G, Nanda S and Sanikha Dinesh under the supervision and guidance of Gopika A.

DATE: May 2022

HEAD OF THE DEPARTMENT

EXAMINERS

Synthesis of Schiff Bases and Study of Solvent Effects on Absorption Maxima

Project report submitted to University of Calicut in partial fulfillment of the requirement for the award of the degree

Bachelor of Science in CHEMISTRY

Submitted by

DILSHANA VK PWATSCH002

RAMYASREE K PWATSCH013

AISWARYA O PWATSCH019

ANAMIKA K UDAY PWATSCH023

FATHIMA HANAN E K PWATSCH027



Department of Chemistry

Providence women's College, Calicut

March 2022

This is to certify that the project titled "Synthesis of Schiff Bases and Study Ment Effects on Absorption Maxima" is the original work carried out by Dilshana K (PWATSCH002), Ramyasree K (PWATSCH013), Aiswarya O ATSCH019), Anamika K Uday (PWATSCH023), Fathima Hanan E K ATSCH027) for the award of the degree of Bachelor of Science in Chemistry of Calicut under my supervision and guidance at Department of Chemistry, Indiana Women's College, Calicut.

Surion: Calicut

Date: 28/03/2022

Dr.(Sr.) Asha Thomas Head of the department

Department of chemistry

Dr. Anu Jose Assistant Professor Department of Chemistry

WATER QUALITY ANALYSIS OF SIXTEEN WELL WATER SAMPLES

PROJECT REPORT

SUBMITTED TO

UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award of degree of BACHELOR OF SCIENCE in CHEMISTRY

BY

ANJU THOMAS - PWATSCH006

AISWARYA A O - PWATSCH018

AMEESHA C M - PWATSCH022

APARNA P S - PWATSCH025

SANDRA T P - PWATSCH036

SWETHA SATHEESH V - PWATSCH040

UNDER THE GUIDANCE OF Dr.(Sr.) ASHA THOMAS Assistant Professor in Chemistry



DEPARTMENT OF CHEMISTRY
PROVIDENCE WOMEN'S COLLEGE, CALICUT
MAY 2022

This is to certify that the project titled "WATER QUALITY ANALYSIS OF SIXTEEN WELL WATER SAMPLES" is the original work carried out by Anju Thomas PWATSCH006, Aiswarya A O - PWATSCH018, Ameesha C M-PWATSCH022, Aparna P S - PWATSCH025, Sandra T P-PWATSCH036, Swetha Satheesh V- PWATSCH040 B.Sc Chemistry, Providence Women's College, Calicut under the guidance of Dr. (Sr.) Asha Thomas Ph.D, Head of Department of Chemistry, Providence Women's College, Calicut for the award of the Degree of Bachelor of Science in Chemistry in the year 2021-22.

Calicut 04/05/2022

Dr.(Sr.)Asha Thoms
Department of Chemistry
Providence Women's College