AN OVERVIEW ON WEED PLANT OF RANIKHET REGION

Dissertation report submitted for the partial Fulfillment for the degree of

Master of Science in Botany

By

VIMLA PAPNAI

M.Sc IV semester Roll no-20300623008 Under the supervision of

Dr. KOMAL GUPTA

ESTD. 1973

Evaluated



Department of Botany Govt.P.G.College,Ranikhet S.S.J.University,Almora 263601,Uttarakhand, India August 2022

This is to certify that the dissertation work entitled "Weed plant of Ranikhet region" has been carried out by Vimla Papnai (M.SC. 4th semester, Botany) under my guidance for the partial fulfillment of her Master's degree in Botany. She has carried out her work of Department of Botany, Govt. P.G. College Ranikhet, sobhan Singh jeena University, Almora.

Dr. Komal Gupta

ON. P.O. COLLEGE RANKHET SOBAN SINGH JEENA UMIVERSITY. THE

Plant Used For Yagyopaveet Sanskar In Uttrakhand

Dissertation submitted to the Soban Singh Jeena University, Almora

For the award of

Master Of Science In Botany



Submitted By

Rekha Tanwal (M.SC 4th semester)

Under The Supervision OF

Dr.prachi Joshi

(Assistant professor)

Head of Department

Dr. Komal Gupta

(Assistant professor)

Head Of Department

Certificate

This is to certify That Rekha Tanwal D/O Mr, Tej Singh Tanwal Has prepared Her M.Sc (4 th semester) Dissertation Work on PLANT USED FOR KUMAUNI YAGYOPAVEET SANSTHA. For The Award of m.sc .Degree Under The Guidance.

She Has Carried out This Work At Department of Botany Soban Singh Jeena University, Govt ,pg College Ranikhet .

This Repott Imbodies The original Research work Done By Her From July 2022 To August 2022.

Dr .KOMAL GUPTA.

An Overview On The Threatened Plants Of Uttarakhand

Dissertation Report Submitted for the Partial Fulfillment for the Degree of

Master of Science in Botany

By

Pooja Bisht

M.Sc IV Semester Roll No.-20300623006

Under the Supervision of **Dr.Tanuja Tiwari**





Department of Botany Govt.P.G.College,Ranikhet S.S.J.University,Almora 263601,Uttarakhand,India August 2022

I certify that Pooja Bisht has carried out M.Sc (IV semester) dissertation work on the topic of AN OVERVIEW ON THREATENED/RARE PLANT OF UTTARAKHAND for the degree of M.Sc in botany at the Department of Botany, Soban Singh Jeena University Govt P.G College Ranikhet. This report embodies the original research work done by her from May 2022 to august 2022.

Dr. Tanuja Tissari

Signature of Supervisor

Assistant professor Department of Botany,

Date: Govt.P.G.College,Ranikhet, Almora-263645

Place: Soban Singh Jeena University Almora.

SOBAN SINGH JEENA UNIVERSITY ALMORA

SATAVARI

(Asparagus racemosus)
BY
RAVINA BISHT
M.Sc IV SEM BOTANY



Under The Guidance of

Dr. Komal Gupta

Botany Department

Working at G.P. G College Ranikhet

Department of Botany

GPG College Ranikhet (Almora)

SOBAN SINGH JEENA UNIVERSITY ALMORA(UTTRAKHAND)

2022

M.Sc Project

Submitted Partial Fulfillment of the requirement for the degree of Master of Science in Botany

I hereby certify that the work which is being presented in the M.Sc IV Sem Project Report entitled -SATAVARI (Asparagus racemosus) -, in partial fulfillment of the requirements for the award of the Master of Science (Botany) and submitted to the Department of Botany, G.P.G College Ranikhet is in an authentic record of my own work.

Ranki 10/22 Curks

Ravina Bisht

Date:

Signature

Place:

TRADITIONAL WILD PLANT IN DWARAHAT. REGION.

DISSERTATION REPORT SUBMITTED

To

SOBAN SINGH JEENA UNIVERSITY, ALMORA.

UTTARAKHAND

FOR THE DEGREE OFMASTER OF SCIENCEIN BOTANY.



DEPARTMENT OF BOTANY SOBAN SINGH JEENA GOVT.P.G. COLLEG RANIKHET ALMORA UTTARAKHAND

CERTIFICATE

l certify that SHIVANI BALMIKI D/on Mr. ASHOK BALMIKI has be prepared his dissertation entities" TRADITIONAL WILD PLANTS IN DWARAHAT ". For the M.sc degree of Sohan Singh jeena University Almora Uttarakhand, under my guidance .she has carried out this work at Govt. P.G. collegerRanikhet Almora.

(Mrs. Arti chauhan)

Date: 17/00/2022

Traditional wild plant in dwarahat

hall 122

Different Ex-situ Program in Uttarakhand









DISSERTATION REPORT SUBMITTED TO

S.S.J. UNIVERSITY, ALMORA

FOR THE DEGREE OF

MASTER OF SCIENCE

in BOTANY

SUBMITTED BY

SHAILI LOHANI

(M.Sc. IV Semester)

UNDER THE SUPERVISION OF

MRS. ARTI CHAUHAN

(Associate Professor)

BOTANY DEPARTMENT

Enduated s.

DEPARTMENT OF BOTANY S.S.J. University Govt. P.G. College Ranikhet Almora Uttarakhand

CERTIFICATE

I certify that SHAILI LOHANI D/O MAHESH CHANDRA LOHANI has prepared this dissertation entitled 'DIFFERENT EX-SITU PROGRAMS IN UTTARAKHAND', for the award of M.Sc. degree in Botany from S.S.J. University, Almora under my guidance. He has carried out his work in Govt. P.G. College, Ranikhet.

(Dr. Prachi Joshi)

Date: 17/10/22

(Mrs. Arti Chauhan)



Soban singh jeena university almora, uttarakhand

DISSERTATION

GREEN REVOLUTION

LATE SHRI JAI DUTT VAILA GOVT.PG COLLEGE , RANIKHET (ALMORA)

AFFILIATED TO SOBAN SINGH JEENA UNIVERSITY , ALMORA ,

UTTARAKHAND)

Supervisor : Mrs. Aarti Chauhan

Ву

Km. Nisha

(20300011)

IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DGREE

OF

MASTER OF SCIENCE

CEDTEMBED 202

This is to certify that the dissertation entitled "GREEN REVOLUTION 'Submitted to Department of Botany, Late Shri Jai Dutt Vaila Govt. PG College, Ranikhet (Almora), in fulfilment of the requirements for the master's degree within Botany is a record Bonafide research work carried out by NISHA, ENROLLMENT NO. SSJUPS 20300011 under my supervision and no part of dissertation has been submitted either in part or full for any other degree or diploma.

This assistance and help received during the course of the investigation and source of literature has been acknowledged.

RANIKHET

MRS . Aarti Chauhan

DATE:

DEPT. OF BOTANY

1110/2

Major Religious plant Almora District Uttarakhand (India)

Dissertation Report Submitted for the Partial

Fulfillment for the Degree of

Master of science in Botany

By

Pooja Gusain

M.sc IVth Semester

Roll No.-20300623014

Under the Supervision of

Dr. Tanuja Tiwari



Department of Botany

Government. P.G collage, Ranikhet

S.S.J.U.University ,Almora

263601, Uttarakhand, India

August 2022

DEPARTMENT OF BOTANY
SOBAN SINGH JEENA GOVT.P.G.COLLEGE
RANIKHET ALMORA UTTRAKHAND

I certify that POOJA GUSAIN D/O Mr. TARA SINGH GUSAIN has prepared his dissertation entities " major Religious Plant Almora District Uttrakhand". For the award of m.sc degree of SOBAN SINGH JEENA UNIVERSITY ALMORA, under my guidance. She has carried out this work at Govt.P.G. College Almora.

(Mrs. Tanuja Tiwari)

AN OVERVIEW ON GYMNOSPERMS OF

UTTARAKHAND

GOVT.P.G.COLLAGE RANIKHET

DISSERTATION REPORT SUBMITTED TO

SOBAN SINGH JEENA UNIVERSITY, ALMORA



For the award of

Master of science

In

Botany





SUBMITTED BY

NAINA

(M.Sc. IV SEMESTER)

UNDER THE SUPERVISION OF

Dr. PRACHI JOSHI

Dr. TANUJA TIWARI

(ASSOCIATE PROFESSOR)

(ASSISTANT PROFESSOR)

HEAD OF DEPARTMENT

DEPARTMENT OF BOTONY ,SOBAN SINGH JEENA UNIVERSITY ALMORA ,GOVT P.G.COLLEGE RANIKHET ,

UTTARAKHAND

I certify that NAINA D/O Mr. Abdul Raseed has prepared his dissertation entities "AN OVERVIEW ON GYMNOSPERM OF UTTARAKHAND". The award of M.Sc. degree of the Soban Singh Jeena University Almora under my guidance he has carried out work at Govt P.G. College Ranikhet.

Dr. Prachi JOSHI

DATE:

Dr. Tanuja Tiwari

-1-

"IMPORTANCE OF PLANT-MICROBE REALATIONSHIPS"

DISSERTATION SUBMITTED TO S.S.J UNIVERSITY, ALMORA FOR THE DEGREE OF MASTER OF SCIENCE

IN BOTANY





SUBMITTED BY

MOHIT KUMAR

(M. Sc. IV SEMESTER)

ROLL NO. - 20300623005

ENROLLMENT NO. - SSJUPS20300006

UNDER THE SUPERVISION OF

DR. PRACHI JØSHI

Enluated.

(H.O.D.)

MRS. ARTI CHUHAN

(ASSISTANT PROFESSOR)

DEPARTMENT OF BOTANY, S.S.J. UNIVERSITY, ALMORA, SWARGIYA SHRI JAIDATT WAILA SWATANTRATA SANGRAM SENANI GOVT. P. G. COLLEGE, RANIKHET

DEPARTMENT OF BOTANY SOBAN SINGH JEENA UNIVERSITY

Swargiya Shri Jaidatt Waila Swatantrata Sangram Senani Govt. P.G. College, Ranikhet.

CERTIFICATE

This is to certify that MOHIT KUMAR s/o Mr. KAMAL KUMAR has completed his dissertation entitled "IMPORTANCE OF PLANT MICROBE REALATIONSHIPS" for the award of M.sc. degree of SOBAN SINGH JEENA University Almora, under my supervision. He has carried out this work at Swargiya Shri Jaidatt Waila Swatantrata Sangram Senani Govt. P.G. College, Ranikhet.

(Dr. Prachi Joshi)

Date: 17/10/2012 Place: Ranikhet

TRADITIONAL CEREAL CROP IN DWARAHAT REGION

DISSERTATION REPORT SUBMITTED TO
KUMAUN UNIVERSITY NAINETAL
FOR THE DEGREE OF
MASTER OF SCIENCE
IN BOTANY

SUBMITED BY

MEGHA RAUTELA (M.Sc. IV SEMESTER)

UNDER THE SUPERVISION OF

Mrs. ARTI CHAUHAN
(ASSISTANT PROFESSOR)

DEPARTMENT OF BOTANY, KUMAUN UNIVERSITY NAINETAL, GOVT. P. G. COLLEGE RANIKHET ALMORA, UTTRAKHAND. OCTOBER 2022

DIPARTMENT OF BOTANY

Government Post Graduate
College Ranikhet (Almora Uttrakhand)



CERTIFICATE

I Certify that MEGHA RAUTELA D/O SHRI NANDAN SINGH RAUTELA has prepared her Dissertation Entities "TRADITIONAL CEREAL CROP IN DWARAHAT REGION" For the award of M.Sc. degree of the Kumaun University Nainital, under my guidance, She has carried out this work at Govt. P. G. College Ranikhet (Almora Uttrakhand).

harrio 12

(Mrs. Arti Chauhan)

Plants Used For Vivah Karma In Uttarakhand

Dissertation submitted to the Soban Singh Jeena University, Almora

For the award of

Master Of Science In Botany



Submitted By

Manisha Bisht (M.Sc 4th Semester) 20300623020 Under The Supervision Of

Dr. Prachi Joshi(Assistant professor)
Head Of Department

Dr. Komal Gupta
(Assistant professor)
Head Of Department

Govt. P. G. College, Ranikhet Soban Singh Jeena University Almora

Certificate

This Is To Certify That Manisha Bisht D/O Bhupal Singh Bisht Has Prepared Her M.Sc (4th Semester) Dissertation Work On "PLANTS USED FOR VIVAH KARMA IN UTTARAKHAND" For The Award Of M.Sc Degree Under The Guidance.

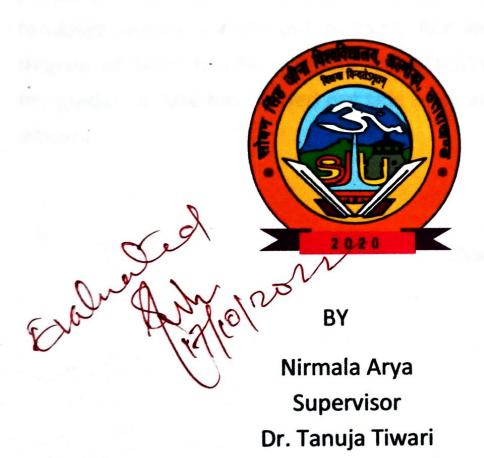
She Has Carried Out This Work At Department Of Botany, Soban Singh Jeena University, Govt. Pg College Ranikhet.

This Report Imbodies The Original Research Work Done By Her From July 2022 To August 2022.

Dr. KOMAL GUPTA 1710 20

Madicinal plants of Ranikhet region District Almora <u>Uttarakhand India</u>

Dessertetion submitted to the soban singh jeena Almora forth aword master of sceince in botany specialization in



Department of botany
Government P.G college Ranikhet Almora
SSJU University Almora
UTTRAKHAND, INDIA AUGUST 2022

I certainly that Nirmala arya D/O Mr. NARESH RAM has prepared has his dissertation entities" Medicine plant of ranikhet region uttrakhand India ". For the award of m.sc degree of SOBAN SINGH JEENA UNIVERSITY ALMORA, under my guidance. She has carried out this work at Govt .P.G College almora

(Mrs. Tanuja Wwari)

An Overview

on

Weeds of Medicinal Value Found in Bhatronjkhan region

Dissertation Report Submitted for the Partial Fulfillment for the Degree of

Master of Science in Botany

By

Nikita Kargeti

M.sc IVth Semester

Under the Supervision of

Dr.Komal Gupta



Department of Botany

Evelvatad **√**Govt.P.G.College, Ranikhet

S.S.J.University, Almora

263601,Uttarakhand, India

2022

Dr. Komal Gupta (Assitant Professor)

Dr. Prachi Joshi (Prof. Head of Department)

I certify that NIKITA KARGETI has prepared her dissertation entitled "Certain studies on Weeds of Medicinal Value Found in Bhatronjkhan region". for the award of M.Sc. degree of the S. S. J. University Almora, under my guidance. She has carried out this work at Govt. P.G. College, Ranikhet, Almora

| Dr. Komal Gupta | 17/10 | 2022 |
|---------------------|-------|------|
| Assistant Professor | | |

Dr. Peachi Joshi William Head of Department,

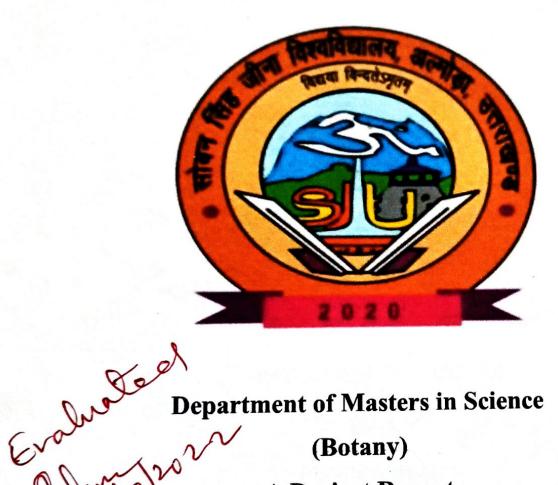
Department of Botany,

Govt. P. G. College, Ranikhet,

(S. S. J. University, Almora)

Date:

Government P.G college (Ranikhet) Soban Singh Jeena University Almora (Uttarakhand)



A Project Report

On

WILD EDIBLE FRUITS OF UTTARAKHAND

Submitted By-

Deekshika

20300623021

Submitted To-Dr. Tanuja Tiwari

(Assistant Professor)

This is to certify that Deekshika D/O Mahendra Singh Bisht has prepared her M.Sc (4th semester) dissertation work entitled "WILD FRUIT OF UTTARAKHND AND THEIR ETHANOBOTANICAL USES" for the award of M.Sc degree under the guidance.

She has carried out this work at the department of Botany, Kumaon University, Govt.Pg College Ranikhet.

This report imbodies the original research work done by her from 17 - 10 - 2022 to

Dr. TANULA HTTVAR

An Overview on Anticancerous Plants and Their activity

Dissertation Report Submitted for the Partial Fulfillment for the Degree of

Master of Science in Botany

By

Himani Kuwarbi

M.Sc IV Semester Roll No.-20300623007

Under the Supervision of

Dr. Tanuja Tiwari





Department of Botany Govt.P.G.College,Ranikhet S.S.J.University,Almora 263601,Uttarakhand,India August 2022

This is to certify that the work contained in the thesis entitled "An Overview on Anticancerous plants and their Activity" submitted by Himani Kuwarbi for the award of the degree of Master's degree in Botany to the Govt.P.G.College Ranikhet,Almora,is a record of bonafide research works carried out by her under my direct supervision and guidance.

I considered that the dissertation has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the dissertation have not been submitted for the award of any other degree or diploma in this or any other university.

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Date: 17-10-2022 Place: Ranikhet

(Dr. Tanqja

Signature of Super

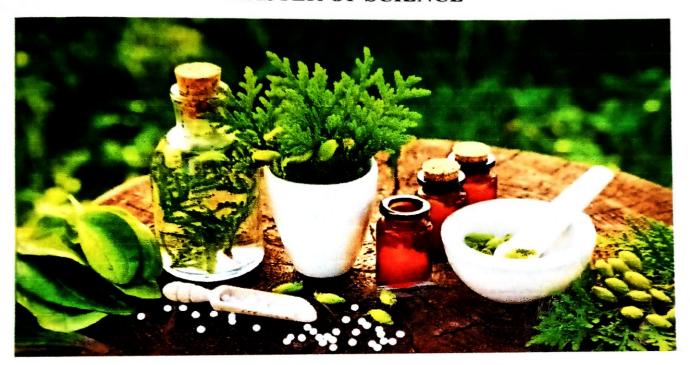
Department of Botany

Govt.P.G.College,Ranikhet

S.S.J.University Almora

MEDICINAL PLANT IN RANIKHET REGION

DISSERTATION REPORT SUBMITTED TO S S J UNIVERSITY, ALMORA FOR THE DEGREE OF MASTER OF SCIENCE



SUBMITTED BY

JYOTI NEGI

M.Sc IV SEMESTER

UNDER THE SUPERVISION OF

Dr. PRACHI JOSHI

Mrs. ARTI CHAUHAN

(ASSISTANT PROFESSOR)

HEAD OF THE DEPARTMENT

DEPARTMENT OF BOTANY, SSJ UNIVERSITY ALMORA, GOVT P.G. COLLEGE RANIKHET, UTTRAKHAND 2022

DEPARTMENT OF BOTANY SSJ University Govt.P.G. College Ranikhet Almora Uttarakhand

CERTIFICATE

I certify that JYOTI NEGI D/O Mr. BHAGAT SINGH NEGI has prepared her dissertation entities "MEDICINAL PLANTS OF RANIKHET TEHSIL REGION", for the award of M.Sc. degree of the SSJ. University Almora under my guidance.

She has carried out this work at Govt. P.G. College. RanikhetAlmora.

(Dr. Prachi Joshi)

Mrs. Arti Chauhan

Date:

A COMPARATIVE STUDY OF DIFFERENT DISEASE CONTROL PRACTICES OF INDIA

DISSERTATION REPORT SUBMITTED TO

SOBAN SINGH JEENA ALMORA

FOR THE DEGREE OF MASTER

OF SCIENCE IN BOTANY



SUBMITTED BY

INDIRA JOSHI

(M.Sc IV SEMESTER)

Roll no. -20300623012

UNDER THE SUPERVISON OF

Mrs. ARTI CHAUHAN (ASSISTANT PROFESSOR)

DEPARTMENT OF BOTANY, SOBAN SINGH JEENA ,GOVT. P.G. COLLEGE

RANIKHET, ALMORA, UTTRAKHAND

JULY 2022

DEPARTMENT OF BOTANY SOBAN SINGH JEENA GOVT. P.G. COLLEGE RANIKHET ALMORA UTTRAKHAND

CERTIFICATE

I Certify that INDIRA JOSHI D/o Mr. GIRISH CHAMDRA JOSHI has prepared his dissertation entities " A COMPARATIVE STUDY OF DIFFERENT DISEASE CONTROL PRACTICES OF INDIA" .for the award of M.sc. degree of SOBAN singh jeena University Almora, under my guidance .She has carried out this work at Govt. P.G. College Ranikhet Almora.

(Mrs. Arti chauhan) 17/10/22

Date: 17/10/2022

AN OVERVIEW ON THE AGROBIODIVERSITY OF KUMAUN REGION

Dissertation report submitted for the partial Fulfillment for the degree of

Master of Science in Botany

 $\mathbf{B}\mathbf{y}$

Kavita Mehra

M.Sc IV semester Roll no-20300623001 Under the supervision of

Dr. Tanuja Tiwari



rabiale



Department of Botany Govt.P.G.College,Ranikhet S.S.J.University,Almora 263601,Uttarakhand, India August 2022

This is to certify that the Kavita Mehra D/O Shiv Singh Mehra has prepared her M.sc.(4th semester) dissertation work entitled AGROBIODIVERSITY IN KUMAUN REGION for the award for M.sc. degree under the guidance.

She has carried out this work at the Department of Botany, Sohan Singh Jeena University, Govt. P. G. College Ranikhet.

Dr. Tanuja Tiwatik

Assistant professor Department of Botany,

Govt. P. G. College, Ranikhet, Almora 263645

Soban singh jeena University

Almora

DATE

IDENTIFICATION AND DOCUMENTATIONOF PLANT USED IN KUMAUNI SHRADH KARMA A DISSERTATION REPORT

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE (IN BOTANY)

SUBMITTED TO S.S.J. UNIVERSITY, ALMORA





SUBMITTED BY
KAVITA SATI
(M.Sc. IV SEMESTER)

UNDER THE SUPERVISION OF

Dr. PRACHI JOSHI (ASSOCIATE PROFESSER) HEAD OF DEPARTMENT

Dr. KOMAL GUPTA (ASSOCIATE PROFESSER)



DEPARTMENT OF BOTANY, S.S.J. UNIVERSITY, GOVT P.G. COLLEGE RANIKHET, ALMORA (UTTARAKHAND) August 2022

DEPARTMENT OF BOTANY S.S.J. UNIVERSITY, GOVT P.G. COLLEGE RANIKHET, ALMORA (UTTARAKHAND)

CERTIFICATE

I certify that KAVITA SATI D/O Mr. PRAKASH CHANDRA SATI has prepared his dissertation entities "PLANT USED IN KUMAUNI SHRADDH KARMA", for the award of M.Sc. degree of the S.S.J. University, Almora, under my guidance. He has carried out this work at Govt. P.G. College Ranikhet, Almora.

(Dr.PRACHI JOSHI)

(Dr. KOMAL GUPTA)

Date:

Certain Studies On Wild Fruits Of Uttarakhand

Dissertation Report submitted for the partial fulfillment for the Degree of

Master of Science in Botany

By

Kanishka Bhagat

M.Sc IVth Semester

Roll No - 20300623002

Under the supervision of

Dr. Komal Gupta

Department of Botany

Govt .P.G. College, Ranikhet

S.S.J. University . Almora

263601, Uttarakhand, India

August 2022

I certify that KANISHKA BHAGAT has prepared her dissertation entitled "Certain studies on wild fruits of Uttarakhand". for the award of M.Sc. degree of the S. S. J. University Almora, under my guidance. She has carried out this work at Govt. P.G. College, Ranikhet, Almora.

Dr. komal Gupta 17/10/2022

Assistant Professor.

Dr. Pšachi Joshi

Head of Department,

Department of Botany,

Govt. P. G. College, Ranikhet,

(S. S. J. University, Almora)

Date: 12/ Aug/ 2022