

**VISION :** Enlightenment Through Education,  
Strength Through Organization.



# SREE NARAYANA COLLEGE KANNUR

ACCREDITED BY NAAC WITH 'A' GRADE (AFFILIATED TO KANNUR UNIVERSITY)

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## PROJECT WORK- DEPARTMENT OF BOTANY

## CERTIFICATE

Certified that this is a bonafide report on the project work, entitled "**Comparative Cytotoxic and Phytochemical analysis of *Manihot esculenta* Crantz. root tuber, Raw and Boiled in aqueous and ethanol extract.**" carried out by SIVATHA P.V. (Reg.no: SN21CBOR18), during 2023-2024 in partial fulfillment of the degree of Bachelor of Science in Botany in Kannur University.



**Dr. APARNA.P**  
Head of the Department  
Assistant Professor,  
Department of Botany,  
Sree Narayana College  
Kannur.



**Dr. APARNA P.**  
(Teacher in charge)  
Assistant Professor,  
Department of Botany,  
Sree Narayana College,  
Kannur.

Kannur,

Date: 12.02.2024

**PROJECT GROUP**  
**2023-24**



**DEEKSHIT KRISHNAN, SUJAY T, ASWATHI RAMESHAN V, ARSHA M, NEEHARA RAMESH,  
NANDANA P, HRIDYA K C, NANDHANA K V, ANAGHA P P, SIVATHA P V, NEERAJ M M,  
ABHISHEK C H with project guide DR. APARNA P.**

## CERTIFICATE

Certified that this is a bonafide report on the project work, "ANALYSIS OF SEASONAL POOL VEGETATION OF NEDIYENGA, SREEKANDAPURAM, KANNUR DISTRICT, KERALA" carried out by ASHNA C- SN21CBOR25, CHITHIRA P - SN21CBOR26, NANDANA S- SN21CBOR27, NANDANA T K - SN21CBOR28, NANDHANA MANESH KARATHADI- SN21CBOR29, NEHA MAHESH M P- SN21CBOR30, SAYANA PRAVEEN T- SN21CBOR31, SHEONA U MAVILAKANDY- SN21CBOR32, SHRUTHI PJ- SN21CBOR33, THEERTHA CHANDRAN P- SN21CBOR34, THRISHNA C E-SN21CBOR35, LIMNA K SN21CBOR36) during 2023–2024 in partial fulfillment do the Degree of Bachelor of Science in Botany in Kannur University.



Head of the Department

**Dr. APARNA P**

Assistant Professor of Botany

S.N. College, Kannur



Supervising Teacher

**Dr. M. V. JEESHNA**

Assistant Professor of Botany

S.N. College, Kannur

Place: Kannur

Date: 16.02.2024

## CERTIFICATE

This is to certify that the project entitled *Investigation into the seasonal variations of Grass vegetation in Madayippara, Kannur District* submitted by ..*ARYA.C*.....(Register No: *SN21CBOR02*) has in partial fulfillment of the requirements for the award of Bachelor of Science Degree in Botany in Kannur University is an authentic work carried out by him / her under my supervision and guidance.

Supervising Teacher

Dr.K.P.Prasanth  
Associate Professor  
Department of Botany  
S.N. College, Kannur

Kannur  
20-02-2024

## CERTIFICATE

This is to certify that the project entitled *Investigation into the seasonal variations of Grass vegetation in Madayippara, Kannur District* submitted by ...*ARYA: C*.....(Register No: *SN21CB0K02*) has in partial fulfillment of the requirements for the award of Bachelor of Science Degree in Botany in Kannur University is an authentic work carried out by him / her under my supervision and guidance.

Supervising Teacher



Dr.K.P.Prasanth  
Associate Professor  
Department of Botany  
S.N. College, Kannur

Kannur  
20-02-2024