

RUSHIKESH GAWANDE

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PROFILE

Dedicated Botany graduate with a passion for plant biology and environmental sustainability. Possess strong theoretical knowledge gained through coursework and hands-on experience in botanical research and lab techniques. Skilled in data analysis, botanical taxonomy and ecological conservation. Eager to contribute to research initiatives or environmental organizations to apply academic training and contribute to advancements in plant sciences.

PROJECT WORK

2023-2024

Project titled on Phytochemical screening of "Total phenol and flavonoids content of mucuna nivea leaves".

Under guidance of Dr. K. C. More
Assistant Professor Department of Botany
S.G.B.A.U Amravati

Objective:

To determine the phytochemical composition, specifically total phenol and flavonoid content, in the leaves of Mucuna nivea. Phenolic compounds and flavonoids are secondary metabolites found in plants, known for their antioxidant properties and potential health benefits. Analyzing these compounds in Mucuna nivea can provide insights into its medicinal potential and therapeutic applications. Various tests are conducted to detect the presence of phenolic compounds (e.g., Folin-Ciocalteu method for total phenol content) and flavonoids (e.g., aluminum chloride colorimetric method for flavonoid content).

Quantitative Analysis: Quantification of total phenol and flavonoid content is performed using calibration curves with standard compounds.

EDUCATION

Master of Science (Botany)

Sant Gadge Baba Amravati University Amravati.
(pursuing)

Sep 2022 - June 2024

Bachelor of Science (CBZ)

Brijlal Biyani Science College Amravati
2019-2022
CGPA-82.15%

Aug 2019 - May 2022

SKILLS

- Equipment Handling
 - UV spectrophotometer, autoclave, pH meter, microscope, balance, incubator
 - Shaker, Centrifuge, hot air oven.
- Laboratory organization
- Communication skills
- Critical Thinking
- Leadership
- Microbiology techniques
- Research and data analysis

SOFTWARE SKILLS

- NCBI
- Microsoft Excel
- Microsoft Office

WORKSHOP AND ACHIEVEMENTS

- NEP-based Skill Oriented Programme on Taxonomic Enumeration and Illustration
March 22-23rd 2024
 - Participated and also member of organizing committee in XLVI All India Botanical Conference of Indian Botanical Society and International Symposium on Synergy in Plant Science and Sustainable Future-2023
November 4-6, 2023
 - Workshop on Cardiopulmonary Resuscitation (CPR)
February 28th 2023
 - Participant, State Level Biogenius Competition
 - Soft Skill Development Workshop
May 10-13, 2022
 - Maharashtra State Certificate in Information Technology
June 2017
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LANGUAGES

- English
- Hindi
- Marathi

HOBBIES

- Cricket
 - Listening songs
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