



SHIVAJI COLLEGE

University of Delhi

NAAC ACCREDITED 'A' GRADE



Department of Botany

offers

Add-on Course

on

'Role of Plants in the Conservation of Natural Resources'

(Hybrid Mode)

Aug 3 - Sep 29, 2024



REGISTER HERE:

<https://forms.gle/iXMq86KEDQQQE6TF7>

- Classes on weekends in hybrid mode
- Total duration : 30 hours
- Last date of registration : 28.07.2024

Date of Commencement of
classes : 03.08.2024

Course Convenor:

Prof. Prabhavathi V.

Course Coordinators:

Dr. Seema Talwar, Dr. Anurag Maurya, Dr. Pawan Kumar, Dr. Gunjan Sirohi, Ms. Priyanka Ojha

Patron

Prof. Virender Bhardwaj
(Principal)

Convenor (Add On Course):

Dr. Richa Arora



SHIVAJI COLLEGE UNIVERSITY OF DELHI

(NAAC ACCREDITED 'A' GRADE)



Add-on Course
on

'Role of Plants in the Conservation of Natural Resources' (Hybrid Mode)

3rd August - 29th September 2024

Organized by:
Department of Botany

The course is offered to students of all courses of Shivaji College, however a maximum of 20% of seats available for students of other colleges/institute.

ABOUT COLLEGE

Shivaji College is a premier institution in West Delhi, accredited with grade 'A' by NAAC. It was ranked as one of the top 10 science colleges of the country in a survey conducted by India Today in 2017. It was established in 1961 by Hon'ble Dr Panjabrao Deshmukh, Union Minister for Agriculture and a renowned social activist and farmer-leader. The college offers twenty undergraduate courses in Science, Commerce and Humanities, a self-financing course in Bachelors in Business Economics, three post-graduate courses. Several senior faculty members supervise Ph.D. scholars registered with University of Delhi, while some engage in UGC-sponsored major and minor research projects. Some students of the college frequently emerge as rank-holders in the University examinations and many are placed for internships in prestigious organisations annually.

DEPARTMENT OF BOTANY

The Department of Botany is known for its academic excellence, sincere and dedicated faculty members, and greatly enriching co-curricular activities. Most of the faculty members have been involved in many research activities and have reputed publications in diverse fields of biological sciences. The courses offered by the department provide an inclusive knowledge in a diverse range of subjects with lower to higher plants, microbes, plant physiology, cell biology, plant ecology, plant systematics, genetics, molecular biology, biotechnology and bioinformatics. The Department also regularly organises field trips, study tours, botanical excursions, and summer internships that help in bringing about holistic development of students.

PATRON

Prof. Virender Bhardwaj
Principal
Shivaji College

CONVENOR (ADD ON COURSE)

Dr. Richa Arora
Assistant Professor
Department of Chemistry

COURSE CONVENOR

Prof. Prabhavathi V.
Teacher-In-Charge
Department of Botany

COURSE COORDINATORS

**Dr. Seema Talwar, Dr. Anurag Maurya,
Dr. Pawan Kumar, Dr. Gunjan Sirohi,
Ms. Priyanka Ojha**
Assistant Professors
Department of Botany



COURSE OBJECTIVE

The Earth is endowed with natural resources that fulfill the needs of humans and support other organisms, forming the foundation of modern economic development. Given their limited availability, the judicious use of these resources is essential to ensure their sustainability for future generations without compromising the quality of air, water, soil, food, biodiversity, and overall ecological health. Judicious use refers to the utilization of resources in a way that allows them to be naturally replenished.

This course aims to educate students on various natural resources, including soil, water, air, and biodiversity, and the critical role plants play in their conservation. It is designed to convey information about the threats leading to the depletion of natural resources and various sustainable practices for their protection and management. The course emphasizes an in-depth exploration of how plants can be applied to improve and maintain natural resources.

Key topics include the scientific principles behind phytoremediation, practical applications in various environmental fields, and current research in this area. The course combines theoretical knowledge with hands-on activities, case studies, and practical exercises to provide a comprehensive understanding of the role of plants in natural resource conservation. Theoretical knowledge along with practical/hands-on, case studies and activities.

WHY THIS COURSE

- The goal of this course is to share quality education/information and promote appreciation for the conservation of global natural resources, and local conservation strategies, applying "Hands-on" and interactive learning approach.
- The course will take students beyond classroom and spark interest in the world around.
- This course is concerned to the management of natural resources with a special focus on how the plants can be utilised to manage our natural resources.
- It will improve student's prospects in fields related to environmental science, conservation, agriculture, and sustainability.

COURSE CONTENT

Module 1: Uncovering and Testing Soil Types

Module 2: Harnessing Plants for Water Conservation

Module 3: Plants as Natural Air Purifiers

Module 4: Utilizing Regional Climate Data for Plant Growth and conservation

Module 5: Eco-Gardening: Tools & Techniques for Conserving Natural Resource

POINTS TO REMEMBER

- Participants must enrol the course by filling out the registration form.
- There are limited seats, that will be allotted on first-come, first-served basis.
- Certificates will be awarded only on successful completion of the course, based on participant's assessment and attendance.
- Classes will be held in online/hybrid mode.

LINK FOR REGISTRATION

NO REGISTRATION FEE

[Click here for the Registration](#)



<https://forms.gle/iXMq86KEDQQQE6TF7>

Last date of Registration:
28.07.2024

Contact Details:

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✉ pawan.parashar87@gmail.com