



Deen Dayal Upadhyaya College University of Delhi



Azad Hind Fauj Marg, Dwarka Sector-3, Dwarka, New Delhi, Delhi- 110078

Launches

AN ONLINE ADD ON COURSE ON THERAPEUTIC POTENTIAL OF PLANTS

**Date:
Timing:**

ORGANIZED BY

DEPARTMENT OF BOTANY, DEEN DAYAL UPADHYAYA COLLEGE

Inaugural session by

Chief Guest

Prof. Suman Lakhanpaul

Head, Department of Botany, University of Delhi

**Convener
Dr. Reeta Kumari**

**Co- convener
Dr. Charu Kalra**

**Program Coordinator
Dr. Dolly Kain**

**Patron
Dr. Hem Chand Jain**

ABOUT DEEN DAYAL UPADHYAYA COLLEGE

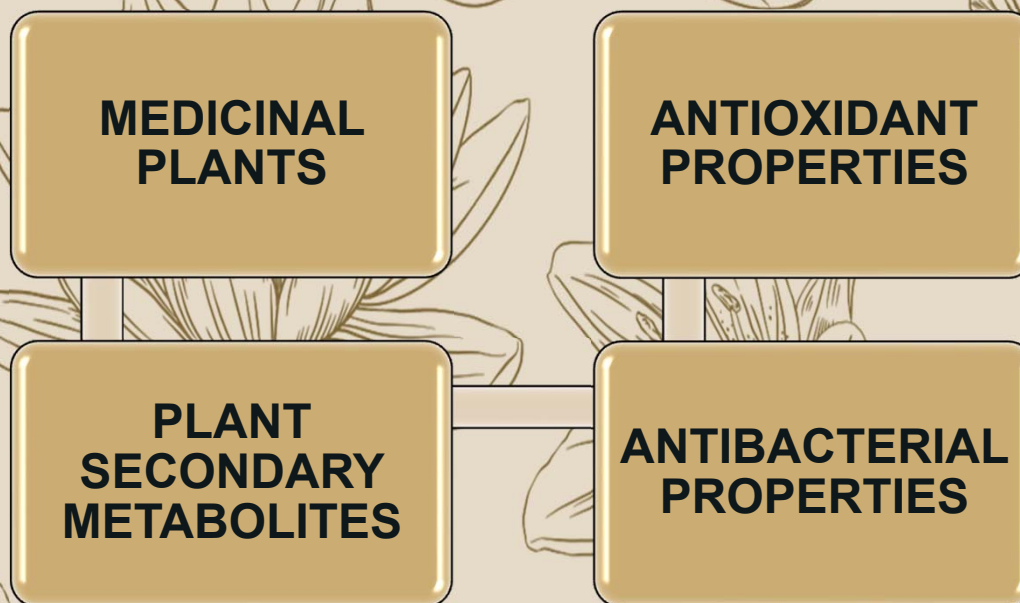
“Institutions are built by humans and not by the buildings”



Deen Dayal Upadhyaya is a constituent college of the University of Delhi. The Government of National Capital Territory of Delhi established the college in the year 1990. According to National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development; Government of India and India Today-MDRA Ranking for the year 2021 Our College has been reflected in the recently announced ranking of colleges all over India. In 2020 our College has been ranked the 15th best College in India amongst the 1659 Colleges that participated in the survey. In India Today-MDRA Ranking for the year 2021. Our college has secured 10th and 16th position in India in Science and Commerce stream respectively. The college has also secured 8th position in best value for money category. We cater to the students of Delhi as well as neighboring states, particularly Haryana, Uttar Pradesh, Rajasthan, Madhya Pradesh and Bihar.

ABOUT THE ADD ON COURSE

Current course will also bring out the importance of medicinal plants and their therapeutic properties. It will discuss about important topic regarding natural therapeutics including plant secondary metabolites, bioactive compounds, antibiotics, antibacterial agents, medicinal plants as antibacterial agent, multi- drug resistance, oxidative stress, medicinal plants as antioxidants, important analytical techniques (chromatography and spectroscopy), metabolic profiling of medicinal plants. The course will reveal the importance of natural therapeutics and role of medicinal plants in health care system. It will also bring the attention of students and young researchers and will boost their practical knowledge.



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VISION AND MISSION

To bring out importance of medicinal plants

To discuss about active principle constituents of medicinal plants

To reveal the role of medicinal plants in health care system

To validate the medicinal properties of plants through various protocols

TRIPONZY.COM

Medicinal plants in India

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REGISTRATION DETAILS

Registration Link: <https://forms.gle/U2ru1LbwxVVtWbR69>

Course Fee: Rs. 2100/- pay via NEFT/ IMPS/ UPI

Bank Details:

- 1. Bank Name: Punjab National Bank**
- 2. Branch Name: D-5, Himland House, Shopping Complex Karampura, New Delhi- 110015**
- 3. Account Name: Add- on course A/C Deen Dayal Upadhyaya College**
- 4. Account Number: 52012011002259**
- 5. IFSC Code: PUNB0520110**
- 6. MICR Code: 110024665**

Eligibility: UG/PG/M.phil/Ph.D. students of recognized Universities

Contact: medpvac2021@gmail.com

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COURSE SYLLABUS AT GLANCE

**Unit 1:
Medicinal
plants**

**Unit 2: Plant
secondary
metabolites**

**Unit 3:
Antibiotics**

**Unit 4:
Antioxidants**

**Unit 5:
Analytical
techniques**

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COURSE COMPONENTS AT GLANCE

Therapeutic properties and principal active constituents of medicinal plants

General introduction of plant secondary metabolites, biosynthetic pathway, role as bioactive compounds

Introduction to antibiotics, plants as antibacterial agents, multi-drug resistance

Oxidative stress, free radicals, ROS, plants as antioxidants

Analytical techniques including chromatography and spectroscopy

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PRACTICAL SESSIONS AT GLANCE

Collection and Extraction

Phytochemical Screening

Antibacterial Screening

Antioxidant screening

Paper chromatography and TLC

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LEARNING OUTCOMES OF THE COURSE



**Importance of natural
therapeutics**

**Role of medicinal plants in
health care system**

**Bring the attention of students
and young researchers**

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