



DR. BHIMRAO AMBEDKAR UNIVERSITY, KHANDARI, CAMPUS, AGRA
Department of Biochemistry
School of Life Sciences
Value Added Course

Course Name	Emerging Trends of Nutraceuticals
Course Code	BC VAC-03
Duration And Credit	30 hrs & 02 Credits
Coordinator	Dr. Udit Tiwari, Assistant Professor
Evaluation	By Coordinator
Organized by	Department of Biochemistry

Course Objectives:

After successful completion of the course student will learn preliminary knowledge of the nutraceuticals and develop an interest in pursuing a career in different Nutraceuticals companies.

UNIT I

Medicinal Plants – Importance and Scope, Herbs and spices as Nutraceuticals

UNIT II

Traditional herbal teas (Ginger tea, Chamomile tea, Hibiscus tea), Herbs for woman, Babies and children, Concepts of Herbal garden– Home

UNIT III

Role of antioxidants and phyto chemicals (phenolics, flavanoids, saponins, alkaloids, glycosides, terpenoids, tri-terpenoids) in pandemic (COVID-19), Cancer

Reference Books

Farooqi, A.A. and B. S. Sreeramu, 2004. Cultivation of medicinal and aromatic crops. Revised edition, Universities Press (India) Private Limited, Hyderabad

WHO, 2002. Quality control methods for medicinal plant materials, World Health Organization, Geneva. A.I.T.B.S., Publishers and Distributors, New Delhi

Harbone, J.B. 1998. Phytochemical Methods; A guide to modern techniques of plant analysis. 3rdEdn., Springer (India) Private Limited , New Delhi

Halliwall, B. and J.M.Gutteridge. 1985. Free radicals in Biology and medicine. Oxford university press

Course Outcomes (COs)

On the completion of the course, students will be able to:

CO1: To understand the potential of herbs and spices

CO2: To analyse the medicinal property of herbal tea

CO3: To learn health benefits of antioxidants