



**SANDIP**  
FOUNDATION

**SIPS**

NAAC Accredited  
Sandip Institute of  
Pharmaceutical Sciences

Courses  
Offered

## Nutraceutical Science: Bridging Nutrition and Medicine

In collaboration with Khojati Herbal Pvt. Ltd.

Add on / Value added  
Certificate Courses

Under  
**IQAC** | 2023-24  
SIPS

Our Program structures offers students the flexibility to enhance their academic experience by enrolling in this Course every academic year, with option to take one course per semester. This approach allows students to delve deeper into their areas of interest, diversify their skill set and tailor their learning journey to align with their career aspirations.

### COURSE OUTCOMES

- 01 Students will gain a comprehensive understanding of the various essential nutrients require for optimal health, including vitamins, minerals, antioxidants, and other bioactive compounds found in nutraceuticals.
- 02 To empower students to make informed choices of health and wellness. By understanding the role of nutraceuticals in disease prevention, management, and overall health promotion, students can adopt healthier dietary habits and lifestyle practices for themselves and their communities.
- 03 The curriculum explore the integration of traditional knowledge of herbal remedies and cultural dietary practices with modern scientific research on nutraceuticals.

Campus: Mahiravani, Trimbak Road, Tal & Dist. Nashik-422213, Maharashtra, India.

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# Course Module

Module	Content	Number of hours
1	<b>Introduction to Nutraceuticals</b> <ul style="list-style-type: none"><li>Historical perspective, Definition and scope of Nutraceuticals</li><li>Regulatory framework and Standards</li><li>Emerging trends and present market</li></ul>	2
2	<b>Basic concepts in nutrition</b> <ul style="list-style-type: none"><li>Macro and micronutrients and their functions</li><li>Dietary reference intake (DRI'S)</li><li>Metabolism and bioavailability of nutrients</li></ul>	4
3	<b>Nutraceuticals and Human Health</b> <ul style="list-style-type: none"><li>Ingredients of nutraceutical: Vitamins, minerals, proteins, aminoacids, phytochemicals, antioxidants, probiotics, prebiotics and botanical's</li><li>Role of nutraceuticals in disease prevention and management</li></ul>	4
4	<b>Nutraceutical and Clinical Practice</b> <ul style="list-style-type: none"><li>Ingredients of nutraceutical: Vitamins, minerals, proteins, aminoacids, phytochemicals, antioxidants, probiotics, prebiotics and botanical's</li><li>Role of nutraceuticals in disease prevention and management</li></ul>	5 (Lab)
5	<b>Product development, Quality control and Assurance</b> <ul style="list-style-type: none"><li>Nutraceutical product development, creating effective nutraceutical blend</li><li>Quality control and Quality Assurance</li><li>Personalized diet, tailoring recommendations and</li><li>Preparation of nutrient rich recipe -Cooking demonstration and discussion (Group activity)</li></ul>	9 (Lab)
6	<b>Marketing of Nutraceuticals</b> <ul style="list-style-type: none"><li>Assessing the patients/consumers nutritional needs</li><li>Communicating the benefits of nutraceuticals</li><li>Labeling claims</li><li>Developing a protocol</li><li>Ethical consideration</li></ul>	3 (Lab)
7	<b>Assessment/Presentation</b>	2 (Lab)
8	<b>Certificate and award ceremony</b>	1

## CHIEF PATRON

Hon'ble. Dr. Sandip N. Jha  
Chairman  
Sandip Foundation

## PATRON

Prof. Pramod Karole  
Academic Facilitator  
Sandip Foundation

## CONVENER

Dr. L. B. Borse  
Principal,  
SIPS, Nashik

## COORDINATOR

Dr. Marina G D'Souza

## REGISTRATION DETAILS

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