



# SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR

## Value Added Course

### Integrated Nutrient Management for Sustainable Agriculture

**DURATION: 30 Hours**



**Department of Agriculture and Botany**

**UISH**

**COORDINATOR:**

Dr. Vijay Singh

Assistant Professor

Department of Agriculture and Botany

University Institute of Sciences and Humanities

Sant Baba Bhag Singh University, Jalandhar

## REGISTRATION FORM

### Value Added Course on “Integrated Nutrient management for Sustainable Agriculture”

Name \_\_\_\_\_

Date of birth \_\_\_\_\_ Department \_\_\_\_\_

Class/Semester \_\_\_\_\_

Address for correspondence \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Contact No. \_\_\_\_\_

Email \_\_\_\_\_

Signature of Applicant

#### VENUE

Block No.5, Sant Baba Bhag Singh University, Jalandhar, Punjab, India.

#### For more Information Contact

Dr. Vijay Singh

Assistant Professor

Department of Agriculture and Botany

University Institute of Sciences and Humanities

Sant Baba Bhag Singh University, Jalandhar

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**Course title: Integrated nutrient management for sustainable agriculture**

Value added courses are the types of courses which help a particular individual to develop their skills in their chosen field of the study. The Value Added Courses aim to provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of students. It is important for all institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes.

<b>Course Name</b>	<b>Course Code</b>	<b>Duration</b>	<b>Batch Timings</b>	<b>Tentative Batch Start Date</b>	<b>Course Coordinator</b>
<b>Integrated nutrient management for sustainable agriculture</b>	AGR014	30 hrs	12:30 – 1:20pm 3:30 – 4:20pm (tentative to be adjusted as per time table)	October 2020	Dr. Vijay Singh

**Eligibility: 10+2 any stream**

**Prerequisites**

**10+2 or Equivalent**

As per course requirement

**Course Fee:**

Applicable

**Course Duration information:**

30 hrs

**Course Syllabus**

**Week 1:**

1. Integrated nutrient management, definition, concepts, scope
2. Sustainable agriculture; definition, concepts, scope
3. Soil fertility and productivity-
4. Criteria of essentiality of nutrients; Essential plant nutrients- their importance and functions
5. Manures, farmyard manure, compost, green manure, vermicompost, biofertilizers and other organic concentrates, their composition, availability and crop responses;
6. Commercial fertilizers; composition and classification

**Week 2:**

1. Time and methods of manures and fertilizers application; foliar application
2. Integrated nutrient management in cereals

3. Integrated nutrient management in pulses
4. Integrated nutrient management in oilseeds
5. Integrated nutrient management medicinal plants

**Course Outcome:**

Participants/ Students will be able to understand the importance of nutrients in crop production, manure and fertilizer application in a sustainable manner in different crops.