

Advancing Sustainable Farming Through Innovative Biological Solutions

ACADEMIC PROGRAMS

- Master of Applied Sciences in Organic Agriculture
- Ph.D. in Organic Agriculture

OUR CORE TEAM

- Dr. Bhushan Shrestha
- Dr. Anupama Shrestha
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*Embark on a transformative journey at
MBUST, where innovation meets
opportunity to drive Nepal's
sustainable future.*



**MADAN BHANDARI
UNIVERSITY OF
SCIENCE AND TECHNOLOGY**

Welcome to Organic Agriculture Program!

MADAN BHANDARI
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

OUR OBJECTIVES

To advance sustainable agricultural practices that strengthen food security, conserve indigenous crop biodiversity, and protect the environment. We integrate molecular biology, plant protection genomics, ecology, and soil and horticultural science to develop innovative, science-based solutions to contemporary farming challenges.



Our program cultivates critical thinking and an innovative spirit to develop science-based solutions for sustainable organic agriculture.

OUR LABORATORIES

- Mushroom Laboratory
- Plant Protection and Bio-Control (PPBC) Laboratory
- Genomics and Tissue Culture (GATC) Laboratory
- Horticulture Laboratory
- Insect Ecology & Pest Management (IEPM) Laboratory
- Soil Science Laboratory



DISTINCTIVE PROGRAM FOCUS

RESEARCH AND INNOVATION

INDUSTRIAL TECH INTEGRATION

PRODUCTIVITY ENHANCEMENT

ECONOMIC VIABILITY

AGRO-INDUSTRY SUPPORT

WHY US?

- Interdisciplinary Research
- Hands-on Learning
- Sustainable Agriculture Focus
- Specialized Research Laboratories
- Real-World Agricultural Impact
- Innovation in Farming Systems
- Mentorship by Experienced Faculty
- Strong Career Opportunities

COURSES

A. Core Courses

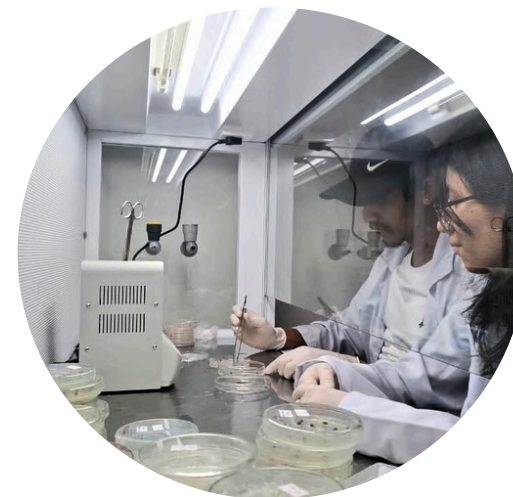
S. No.	Course code	Course title	Credit
1	OA-CR-501	Soil Fertility and Soil Ecology in Organic Agriculture	4
2	OA-CR-502	Organic Agricultural Food Systems and Agroecology	4
3	OA-CR-550	Plant Protection in Organic Agricultural System	4
4	OA-CR-551	Animal Production in Organic Agriculture	4
5	GC-CR-501	Development Policy	3
6	GC-CR-502	Research Methodology and Data Mining	3

B. Non-Credit Compulsory Courses

S. No.	Course code	Course title	Credit
1	GC-NC-550	Entrepreneurship, Scientific Communication and Leadership	0
2	OA-NC-601	Technology Management	0

C. Technical Elective Courses

S. No.	Course Code	Course Title	Credit
1	OA-EL-561	Analysis and Management of Sustainable Organic Production Chain	4
2	OA-EL-562	Organic Fruit Production	4
3	OA-EL-563	Organic Production of Vegetables and Ornamentals	4
4	OA-EL-564	Bioinoculants in Organic Agriculture	4
5	OA-EL-565	Animal Nutrition, Fodder Production and Pasture Management	4
6	OA-EL-566	Post-Harvest Technology in Organic Agriculture	4
7	OA-EL-567	Marketing and Financial Management in Organic Agriculture Sector	4
8	OA-EL-568	Organic Certification	4
9	OA-EL-569	Spawn Production and Mushroom Cultivation	4
10	OA-EI-570	Biological Control	4
11	OA-EL-571	Production Technology of Beverage (Tea & Coffee) and Spice Crops (Cardamom, Zinger, Turmeric) etc.	4
12	OA -EL-572	Crop Genome Editing	4
13	OA -EL-573	Molecular Biotechnology in Agriculture	4



WHO CAN JOIN?

MS Program

- 4-year bachelor's in Science/Agriculture/Engineering or related fields from recognized universities with a CGPA of 2.75 out of 4.0 (or international equivalent).
- Interest in research and organic farming.
- Hands-on field or lab research experience preferred.

PhD Program

- Master's degree in Science/Agriculture/Engineering or related fields from recognized universities with a CGPA of 3.0 out of 4.0 (or international equivalent).
- Practical experience in lab and field research.
- Participation in research projects or publications is encouraged.



We don't just study crops. We study the entire agroecosystem: soil, insects, plants, and people, to develop science-based solutions for sustainable agriculture.

CAREER OUTCOME

- Organic Agriculture Specialists
- Agricultural Research Scientists
- Soil & Plant Health Consultants
- Pest Management & Biological Control Experts
- Horticulture Specialists
- Mushroom Production Entrepreneurs
- Sustainable Agriculture Consultants
- Agricultural Extension Specialists
- Agri-tech Innovators & Entrepreneurs
- Future Professors and Faculties

