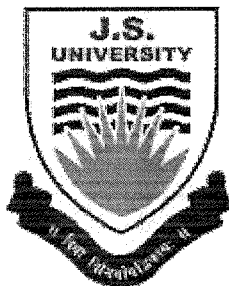


J.S. University, Shikohabad

Established by UP Govt. Act No. 07 of 2015

Recognized by U.G.C. under section 2 (f) of Act-1956



Value added course

Bio fertilizer and Bio pesticide Production

Course code –VAC-106

2020-21

Faculty of Science



J.S. University, Shikohabad
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Value added course
2020-21

Certificate Course in Bio fertilizer and Bio pesticide Production

Learning Objectives–

- To give an awareness about the potential of bio fertilizers and bio pesticides
- To make students conscious of the major bio fertilizers , bio pesticides and target crops
- To give hands on training in bio fertilizer and bio pesticide technologies

Duration – 30 hrs

Course Outcome- After completion of the course the student shall be able -

- To understand the need for utilizing biofertilizers and biopesticides in agriculture.
- To prepare bio fertilizer and bio pesticides
- To think about the prunes and cones of new technologies since they are living in a world where there is an outburst of newer technologies everyday

Syllabus Outline

Module- I

1. Introduction to bio fertilizers
2. Categories and types of bio fertilizers
3. Major bio fertilizers and target crops

Module- II

1. Current scenario of Indian agriculture and promotion of biofertilizers in India
2. Cultivation of azolla (structure,economic value,favourable condition etc.)

Module-III

1. Introduction to bio pesticides
2. Advantages of using bio pesticides and bio control agents
3. Important bio pesticides and bio control agents used

Module-IV

1. Promotion and effectiveness of Integrated Pest Management and bio pesticides
2. Commonly used biopesticide in Kerala
3. Preparation of Tobacco decotion, Neem oil emulsions, Kiriyaath emulsion, Neem seed essence and traps

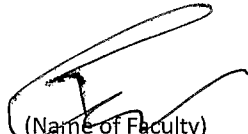


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2020-21

Suggested Books & References--


1. Deshmukh, A. M., Khobragade, R. M., & Dixit, P. P. (2007). Handbook of biofertilizers and biopesticides. Oxford Book Company.
2. Board, N. I. I. R. (2004). The complete technology book on bio-fertilizer and organic farming. National Institute of Industrial Re.
3. Kaushik, B. D., Kumar, D., & Shamim, M. (Eds.). (2019). Biofertilizers and biopesticides in sustainable agriculture. CRC Press.


(Name of Faculty)
Course coordinator

Dr. Naveen


(Name of Faculty)
Dean Academics

Dr. Akilish


(Name of Faculty)
Director/Principal/Dean of
Faculty/Department

Dr. R. P. J. Chakha