

ADD-ON COURSE ON MUSHROOM CULTIVATION

Dates: 14.03.2022 – 13.04.2022

Time: 2:00 P.M – 4.00 P.M (Offline Mode)

4:00 P.M – 6.00 P.M (Online Mode)

Duration: 30 Hours

Department of Botany, Swami Shraddhanand College, University of Delhi, under the aegis of IQAC organized an Add-On Course on “Add-On Course on Mushroom Cultivation” from 14th March 2022 to 13th April 2022 in online-offline blended mode.

Patron: Prof. Parveen Garg

Convener: Prof. Renu Garg

IQAC Convener: Prof. Pradeep Kumar

Course Co-Convenors: Prof. Geeta Saxena and Prof. Bhoopander Giri

Members Organizing Committee: Dr. Bhawna Saxena, Dr. Kiran Bala, Dr. Usha Singh

Gaharwar, Dr. Seema Gupta, Ms. Akanksha Gupta

No. of Students Registered: 77

About the Course:

Mushroom cultivation is one of the promising and profitable enterprises that has gained popularity around the world. They are packed with essential vitamins, minerals and proteins. Mushroom cultivation plays an important role to improve the strength and livelihood of people through nutritional, medicinal and economic contributions.

India is largely an agricultural country generating about 350 million tons of agro-waste annually. Mushrooms are cultivated on wheat and paddy straw and several other agro-wastes.

This not only helps recycle agro-waste but also fills the nutritional gap prevalent among large population of India.

This add on course will be of immense benefits to students who wish to adopt mushroom cultivation as a means of self-employment.

Experts with several years of experience in growing mushrooms will deliver lectures in online mode. There will be training in the laboratory to raise the spawn and grow mushrooms on different agricultural wastes.

Brochure Front Page



 **Department of Botany**
Swami Shradhanand College
(University of Delhi)
Alipur, Delhi – 110036
Under the Aegis of IQAC
Is Organizing



Online 30 hours Add-on course On
MUSHROOM
CULTIVATION

Dates: 14th March 2022 to 13th April 2022
Time: 2 – 4 P.M (Offline Mode)
4 – 6 P.M (Online Mode)

Prof. Parveen Garg
Principal
SSN College

Prof. Pradeep Kumar
Convener IQAC
SSN College

Dr. Renu Garg
Convener
SSN College

Prof. Geeta Saxena
Co-convener
SSN College

Dr. Bhoopander Giri
Co-convener
SSN College

Inaugural Day Poster



DEPARTMENT OF BOTANY

SWAMI SHRADHANAND COLLEGE (University Of Delhi)

Under the aegis of IQAC
Invites you all to the Inaugural Function of
Add on Course on

MUSHROOM CULTIVATION

**Date & Time:**
14th March 2022 & 4.00 P.M

**Link:**
<https://meet.google.com/ied-nyxv-pgc>

CHIEF GUEST



PROF. SUMAN KUNDU
Former Director
University of Delhi, South
Campus

KEYNOTE SPEAKER



PROF. PAYAL MAGO
Director, Campus of
Open Learning,
Principal SRGCASW

PATRON



PROF. PARVEEN GARG
Principal, Swami
Shradhanand College

Patron: Prof. Parveen Garg

IQAC Convenor: Prof. Pardeep Kumar Convenor: Dr. Renu Garg

Co-convenor: Prof. Geeta Saxena Co-convenor: Dr. Bhoopander Giri

Organizing Committee

Dr. Bhawna Saxena Dr. Kiran Bala Dr. Usha Singh Gaharwar
Dr. Seema Gupta Ms. Akansha Gupta

Day-wise Schedule Poster Circulated



The poster features a light blue background with a dark blue footer. At the top left is the logo of the Institute of Education, Delhi. At the top right is a circular image of white mushrooms and the logo of the University of Delhi. The main title 'MUSHROOM CULTIVATION' is in large, bold, blue letters, with 'ADD ON COURSE' in white on a dark blue rectangular background below it. Underneath is the subtitle 'Schedule for Day 1, Day 2, Day 3'. The schedule is presented in three columns, each with a date in a white circle at the top. The first column (14th March) describes an inaugural function and lecture by Prof. Geeta Saxena. The second column (15th March) describes a lecture on Pleurotus cultivation by Prof. Parveen Garg. The third column (16th March) describes hands-on training in Botany Lab-II. A Google Meet link is provided in the center of the footer, accompanied by a meeting icon. The footer also lists the Patron, IQAC Convenor, and three other convenors.

MUSHROOM CULTIVATION
ADD ON COURSE
Schedule for Day 1, Day 2, Day 3

14th March
Inaugral Function followed by Lecture on
TOPIC: An Introduction to Mushroom
Speaker: Prof. Geeta Saxena
Time: 4.00-6.00 P.M

15th March
TOPIC: Pleurotus Cultivation
Speaker: Prof. Parveen Garg
Time: 4.00-6.00 P.M

16th March
Hands on Training
Venue: Botany Lab-II
Time: 4.00-6.00 P.M

 <https://meet.google.com/ied-nyxv-pgc>

Patron: Prof. Parveen Garg **IQAC Convenor: Prof. Pardeep Kumar**
Convenor: Dr. Renu Garg **Co-convenor: Prof. Geeta Saxena** **Co-convenor: Dr. Bhoopander Giri**



DEPARTMENT OF BOTANY
SWAMI SHRADDHANAND COLLEGE
(University Of Delhi)



Invites You to Day 6 & 7 Lecture of
Add on Course on

MUSHROOM CULTIVATION



SPEAKER ON DAY 6



MR. OM PRAKASH DAGAR

Consultant and
Mushroom Entrepreneur

TOPIC- MECHANIZED MUSHROOM CULTIVATION

28 MARCH 2022
2-4 PM

VENUE- BOTANY LAB

SPEAKER ON DAY 7



DR. S.C. TIWARI

National Horticultural Research
and Development Foundation,
New Delhi

TOPIC- AGARICUS CULTIVATION

30 MARCH 2022
4-6 PM

VENUE- GOGGLE MEET



PROF. PARVEEN GARG

Patron and Principal,
Swami Shraddhanand College
University of Delhi

Convener: Dr. Renu Garg

Co-convener: Prof. Geeta Saxena

Co-convener: Dr. Bhoopander Giri

Organizing Committee

Dr. Bhawna Saxena
Dr. Seema Gupta

Dr. Kiran Bala

Dr. Usha Singh Gaharwar
Ms. Akanksha Gupta



DEPARTMENT OF BOTANY
SWAMI SHRADDHANAND COLLEGE
(University Of Delhi)



Invites You to Day 9 Lecture of
Add on Course on

MUSHROOM CULTIVATION



**TOPIC: MUSHROOM BIODIVERSITY-
PROSPECTS AND POTENTIALS**


SPEAKER



PROF. T.N. LAKHARPAL

Former Professor,
Department of Biosciences,
Himachal Pradesh University

2 APRIL 2022
4.00 PM - 6.00 PM

 <https://meet.google.com/ied-nyxv-pgc>

PROF. PARVEEN GARG

Patron and Principal,
Swami Shraddhanand College
University of Delhi



Convener: Dr. Renu Garg

Co-convener: Prof. Geeta Saxena

Co-convener: Dr. Bhoopander Giri

Organizing Committee

Dr. Bhawna Saxena
Dr. Seema Gupta

Dr. Kiran Bala

Dr. Usha Singh Gaharwar
Ms. Akanksha Gupta

Day wise Course Schedule

Day I (14-03-2022) Monday Inaugural Session		
Welcome address	Online	Dr Renu Garg (Course Convener) Teacher Incharge, Department of Botany, Swami Shraddhanand College, University of Delhi.
Address by Chief Guest		Prof. Suman Kundu Department of Biochemistry and Former Director of South Campus, University of Delhi.
Keynote address		Prof. Payal Mago Director, Campus of Open Learning and Principal, Shaheed Rajguru College of Applied Sciences for woman, University of Delhi.
An Introduction to Mushrooms		Prof. Geeta Saxena Swami Shraddhanand College, University of Delhi.
Day II (15-3-2022) Tuesday		
Nutritional Importance and Production of Oyster Mushroom (<i>Pleurotus sajor- caju</i>)	Online	Prof. Parveen Garg Principal, Swami Shraddhanand College, University of Delhi.
Day III (16-03-2022) Wednesday		
Cultivation of button mushroom- <i>Agaricus</i>	Online	Prof. Surinder Kaur Sri Guru Tegh Bahadur Khalsa College, University of Delhi.
Day IV (21-03-2022) Monday		
Step by Step Procedure for Mushroom Cultivation - Hands on training	Physical mode	Prof Parveen Garg Principal, Swami Shraddhanand College, University of Delhi, Delhi. Dr. Renu Garg Associate Professor, Swami Shraddhanand College, University of Delhi.

Day V (23-03-2022) Wednesday		
Field Visit	Physical mode	Field visit to Mushroom Cultivation Training Facility, Bakoli
Day VI (28-03-2022) Monday		
Growing <i>Agaricus</i>	Physical mode	Mr. Om Prakash Dagar Mushroom Entrepreneur
Day VII (30-03-2022) Wednesday		
<i>Agaricus</i>- Cultivation	Online	Mr. S.C. Tiwari National Horticultural Research and Development Foundation (NHRDC), Janakpuri, Delhi.
Day VIII (1-04-2022) Friday		
Therapeutic Potentials of Mushrooms	Offline	Dr. Bhoopander Giri Associate Professor Swami Shraddhanand College, University of Delhi.
Strategies for Improvement of Commercial Traits in Mushroom		Dr. Bhawna Saxena Assistant Professor Swami Shraddhanand College, University of Delhi.
Post-harvest Management		Dr. Renu Garg Associate Professor Swami Shraddhanand College, University of Delhi.
Day IX (2-04-2022) Saturday		
Mushroom Biodiversity- Prospects and Potentials	Online	Prof. T.N. Lakhanpal Former Professor, Department of Biosciences Himachal Pradesh University Summer Hill, Shimla, H.P.
Day X (4-04-2022) Monday		
Socio-economic aspects of Mushroom Cultivation	Online	Dr, Vijay Kumar Goel Associate Professor, School of Physical Sciences, Jawaharlal Nehru University, Delhi

Ecology and Economical Significance of Mushrooms		Dr. Kiran Bala Assistant Professor Swami Shraddhanand College, University of Delhi.
Day XI (6-04-2022) Wednesday		
Edible Mushrooms: From Lab to Land: Cultivation Process	Online	Dr. Richa Sharma Dr.Kohinoor Kaur, Department of Microbiology, Shaheed Rajguru College of Applied Sciences, University of Delhi, Delhi.
Edible Mushrooms: From Lab to Land: Marketing Strategies		Ms Tanusha Jain and Ms Rableen Kaur Shaheed Rajguru College of Applied Sciences, University of Delhi.
Day XII (7-04-2022) Thursday		
	Online	Valedictory Lecture
Spawn production in Mushroom		Dr. Ajay Yadav Registrar, Maharana Pratap Horticultural University, Haryana Scientist cum Incharge, Haryana Agro Industries Corporation, Sonipat, Haryana

About The Speakers

The course was conducted by the resource persons in online form. The detailed information about the resource persons is mentioned below:

Prof. T. N. Lakhanpal

Prof. Lakhanpal has done his Ph.D on Myxomycetes from Department of Botany, University of Delhi. He started his carrier as Lecturer in Botany at Govt. College Mandi, H.P. and moved to Hans Raj College, Delhi University in 1969. He joined the department of Bio-sciences, H.P. University Shimla in 1976, and was elevated to Associate Professor and then Professor in 1982 and 1989 respectively, the position which he held till retirement in 2005. He served in the capacity of Chairman, Dean, Director, visiting Professor of various

Universities and Institutes. After retirement, he was awarded Professor Emeritus-ship by the UGC

Prof. Lakhanpal has been a pioneer in research on Cellular Slime Moulds, Acellular Slime Moulds, Mushrooms and Mycorrhiza. He has extensively explored the bio-diversity of various groups of fungi from N.W. Himalaya: His group recorded many hitherto unknown species, The major emphasis has been on wild edible mushrooms, their ethno-mycology, and on those that enter into mycorrhizal association with different tree species. His research lab was recognized as a training centre in mycorrhizal biotechnology by IDRC, Canada and TERI, New Delhi for financial support. The mushroom biodiversity is being processed into workable of monographs, three of which are already published.

Besides this, monumental work has been carried out on biology of Indian Morels (*Morchella*). Studies have been conducted right from traditional systematics to molecular characterization of the species of morels in North West Himalayas alongside other aspects of morel biology. Most of the edible wild mushrooms have also been analyzed for their nutritional components and nutraceutical potential of some important ones has also been investigated. Technology was also developed by his group for the cultivation of Shiitake (*Lentinus edodes*) and Milky mushroom (*Calocybe indica*). Keeping in view his contribution in the field of mycology three species new to the literature have been named after him

Prof. Lakhanpal has served as a President of Indian Science congress plant sciences section, President of Mycological Society of India, and Indian Mushroom Growers Association. He served as a member of QRT on mushrooms, Biodiversity Authority of India, Biodiversity Board of Himachal Pradesh, DST, DBT, DoE&F, GBPIHED, NRCM, UGC and HFRI. He was also Chairman RAC, Directorate of Mushrooms, Solan. He was Chief Editor of the Indian J. of Mushrooms and was also on the editorial board of Indian Phytopathology, Indian Journal of Mycology & Plant Pathology, J. of Tree Sciences, India J. of Microbiology, and Hill J. of Botany. He also served as recorder of Plant Sciences Section of ISCA. Dr. Lakhanpal is a fellow of Indian Phytopathological society and Society for Mycology and Plant Pathology. He was honored with Best Teacher Award by H.P. University, Shimla and Saraswati Award of Delhi University. He has completed 10 major projects sponsored by different granting agencies: DST, DBT, DOE&F, ICAR, GBPIHED & UGC.

Dr Lakhanpal has delivered lectures in about 65 Universities and Institutes across the country. Dr. Lakhanpal has to his credit over 190 research papers, 55 contributed chapters , five monographs, nine books and two edited books. He has trained a large number of M.Sc. & M.Phil students and 30 students have received Ph.D. under his supervision

Dr. Ajay Singh

Dr. Ajay Singh is presently working as registrar of Maharana Pratap Horticulture University, Karnal. He also served as scientist cum incharge at HAIC agro Research and Development

Centre, from August 2000 to January 2020. He has obtained his B.Sc., MSc. and Ph.D degree in agriculture. Dr. Singh has also done post graduate diploma in marketing management from IGNOU. From his outstanding academic career, he has published 33 research articles in national and international Journals and Proceedings. Along with this, he has also published two book chapters and several popular articles. He is having tremendous knowledge on mushroom cultivation. He has authored 11 books for farmers on various aspects of Mushroom Cultivation Technology and Modern Bee-keeping. He has been several times nominated by the Central government and govt. of Haryana for numerous scientific assignments such as Governor's nominee on Executive council of DCR University of Science and Technology, Murthal, Sonapat, Haryana; and member of working group on Mushroom in Haryana Kisan Ayog, Govt of India by Haryana Government; and as member of Institute Management Committee of ICAR- Directorate of Mushroom Research, Solan, H.P from 2009 to 2012 by Ministry of Agriculture.

At present he is Co-PI of two research projects on Mushroom. He has also co-supervised several M. Tech, Ph.D and Post-Doc students. His area of expertise lies on Mushroom cultivation and he has also grown several mushrooms.

Prof. Surinder Kaur

Prof. Surinder Kaur is presently Associate Professor in SGTB, Khalsa College, University of Delhi. She has obtained her MSc. and Ph.D from Department of Botany, University of Delhi. Having specialization in Mycology and Phytopathology and she has successfully completed various research projects funded by CSIR, DST and University of Delhi. She is also having expertise in mushroom cultivation and is actively involved in cultivation of oyster, button and milky mushroom on small scale in her college. From her academic career, she has published various publications in Journals of International and national repute like PlosONE, Mycoscience, Nova Hedwigia, Mycotaxon, Communicative and Integrative Biology, Canadian Journal of Botany.

Mr. S. C. Tiwari

Mr. Subhash Chandra Tiwari is currently associated with National Horticulture Research and development Foundation (NRDC), Delhi and working as Senior Technical Officer in this organization. He has been actively involved in mushroom cultivation from long back.

Mr. O. P. Dagar

Mr. O. P. Dagar, who is running his own mushroom growing Unit from 2018 onwards, has worked in several firms as mushroom production manager from 1989 to 2018. He also worked as mushroom trainer cum incharge in various places IGNOU is one of them. His

practical experiences speak about his extraordinary skills on mushroom cultivation. He is person who spent his almost most of the life while handling mushroom.

Prof. Parveen Garg

He has obtained his B.Sc. from University of Delhi and completed his M.Sc. degree from G. B. Pantnagar Agriculture University, Pantnagar. For his M. Phil and Ph. D, Degree, he moved to School of Life Sciences, Jawaharlal Nehru University, New Delhi. He worked as assistant and associate professor from 1999-2000 in Swami Shraddhanand College, University of Delhi. Prof. Garg is presently serving as principal of the college

During his long academic career, he has successfully published more than 25 research articles and 12 books. He has also visited six countries to present his research work. He has great interest on environmental issues and therefore he has published 3 books on environment and sustainable development. He also having interest in research and thoroughly involved in mushroom cultivation. He has started mushroom cultivation on small scale in the college. It is one of his dream project and this Add-on course is also one of his initiatives.

Prof. Geeta Saxena

She has been teaching in the Department of Botany, Swami Shraddhanand College since 1987. She has 40 years of Research experience in the area of Mycology and Plant Pathology specially Nematophagous fungi, Zoosporic fungi and Biological control of Nematode-borne diseases of crop plants.

She is recipient of prestigious UNESCO Young Scientist award and DAAD (German Academic Exchange Service) post - doctoral fellowship. She has also worked as post-doctoral fellow at Institute of Cell and Molecular Biology, University of Edinburgh, Scotland U.K. She has published 36 research papers in various internationally reputed journals like FEMS Microbiology Ecology, Folia Microbiologica, Fungal Biology, Crop Protection, Applied Soil Ecology and Sydowia: An International Journal of Mycology etc. and National journals like Current Science, Proceedings of National Academy of Sciences, India, with high impact factor. She has edited 3 books and has 10 research reviews as chapters in various books.

She has guided a Ph.D. student of University of Delhi, Delhi. She was principal investigator of Major research project funded by University Grants Commission and Co- investigator of two Innovation projects funded by University of Delhi.

She has participated and presented research papers in about 50 international and national conferences and symposia. She has given invited talks at several universities such as Freie University Berlin, Germany; University of Lund, Sweden; University of Edinburgh and Scottish Agricultural College, Scotland, U.K. Visited and learned techniques on

Nematophagous fungi at Royal Veterinary and Agricultural University, Institute of Hygiene and Microbiology, Frederisberg C, Copenhagen, Denmark. Learned techniques on mushrooms in a workshop on “Biology and Technology of Cultivable Mushrooms” at Institute of Life Long Learning, University of Delhi, South Campus and also Learned techniques in a workshop on “Biofertilizers” organized by Department of Botany, Zakir Hussain Delhi College, University of Delhi .

Life member of Delhi University Botanical Society, India and Association of Microbiologists of India. Worked as member of Course Development Committee, Moderation Committee and Committee of Courses of Department of Botany, University of Delhi and actively involved in several committees of SSN College.

Prof. Renu Garg

Dr. Renu Garg is having more than 35 years of teaching experience and is currently Professor in Department of Botany, Swami Shraddhanand College, University of Delhi, Delhi. She has pursued her B.Sc., M.Sc. and Ph.D from Department of Botany, University of Delhi. During her academic career she has published various papers in Journals International and National repute. She is also actively involved in small scale mushroom cultivation and research work. She has organized and attended various workshops, seminars and conferences.

Prof. Bhoopander Giri

Dr. Giri received his Ph.D in Mycorrhizal Research from the Department of Botany, University of Delhi, in 2001 and is currently Professor in Department of Botany, Swami Shraddhanand College, University of Delhi. He has worked as a postdoctoral fellow at the Department of Plant Pathology, North Carolina State University, USA. He is a recipient of a CSIR Research Associateship (2003), DST Young Scientist Fellowship (2005) and a Raman Post-Doctoral Fellowship. He has served as the General Secretary of the International Symbiosis Society (ISS), USA, and he is a life-member of several prestigious academic societies.

Dr. Giri has published more than 40 papers in national and international journals of repute like Annals of Botany, Mycorrhiza, Microbial Ecology, Biology and Fertility of Soils, Applied Soil Ecology, New Forests, Bioresource Technology, Journals of Microbiological Methods, Process Biochemistry, World Journal of Microbiology and Biotechnology and Journal of the Science of Food and Agriculture. His paper “Arbuscular mycorrhizal fungi in alleviation of salt stress,” published in Annals of Botany, Oxford Press, UK was listed among the top 10 cited publications in 2009-2014 in the area of biological science and agriculture by the International Comparative Performance of India’s Research Base. He has also the editor of various books on mycorrhiza like Root Biology, Biofertilizers for Sustainable agriculture and Environment, Microorganisms in Saline Environment: Strategies and Functions, Soil

Health, Plant Stress Biology: Strategies and Trends. He is also a reviewer for several international and national journals.

He Has Delivered talk and chaired sessions in International Congress and Symposia such as Plant Biologicals Symposium, University of Copenhagen, Denmark; 5th Annual Congress on Plant & Soil Science, London, UK; 20th Penn State University Plant Biology Symposium, University Park, Pennsylvania, PA, USA; 5th International Symposium on the Physiological Processes in Roots of Woody Plants, University of Victoria, BC, Canada; Mycorrhizal conference, Monte Verita, Ascona, Switzerland.

Dr. Vijay Kumar Goel

Dr. Goel is Ph.D. in Structure-Based Drug-Design from Department of Biophysics, All India Institute of Medical Sciences, New Delhi (2005). He has worked as a Scientist at Central Drug Research Institute, Lucknow (2005-2006) and as DST Young Scientist (2006-2007). He also has experience of Senior Scientist and Head of Peptide Therapeutics Research Laboratory at Panacea Biotech Ltd., New Delhi (2008-2013) and as Senior Manager, R&D at Bioconcept Labs. Ltd. (2013-2014). He has served Swami Shraddhanand College, University of Delhi as Assistant Professor in Chemistry from 2015-2021. Currently, he is working Associate Professor in Chemistry at School of Physical Sciences, Jawaharlal Nehru University, New Delhi.

He has guided one M. Pharm Dissertation at Panacea Biotech Ltd., 10 B. Sc. Students in Delhi University funded Project at SSN college and is currently guiding 2 Ph. D. and 2 M. Sc. Students at SPS, JNU.

He has 20 international publications and 1 international patent. His areas of Research Interest are: Structure-Based Rational Drug-Design - Hypothetical design of molecular libraries and In-silico computational screening - Design and Development of future medicines for life-style disorders - Development of novel therapeutics against vector-borne diseases - Repurposing of Drugs.

Dr. Bhawna Saxena

Dr. Bhawna Saxena is having her specialization in Genomics and presently working as an Assistant Professor in Department of Botany Swami Shraddhanand College, University of Delhi. She pursued her B.Sc. and M.Sc. in Botany from Hindu College, University of Delhi in 2002 and Ph.D from Dr. Y. S. Parmar University of Horticulture and Forestry, Solan, H.P. She has nearly 16 peer reviewed publications to her credit, including research papers, popular science articles and chapters in International books and has attended numerous Conferences, Symposia and seminars.

Dr. Saxena has nearly 10 years of experience in teaching and has taught Botany at various

colleges of Delhi University including Zakir Hussain Delhi College, Hindu College and presently, Swami Shraddhanand college. She has also worked as a Research Associate at International Center for Genetic Engineering and Biotechnology, New Delhi from 2010-2012. Her areas of interest are Gene tagging, marker assisted selection of QTL, metabolic engineering, Plant genetic diversity and genetic stability study.

Dr. Kiran Bala

Dr. Kiran Bala is Ph.D. from School of Life Sciences, JNU. Presently, she is working in Department of Botany, Swami Shraddhanand College, University of Delhi. She is M.Sc. in Life Sciences (JNU) and Botany (Annamalai University, Tamilnadu). Her areas of specialization is Medicinal Plants and Pharmacology. She has teaching experience of almost 15 years and has taught in various teaching institutes like Govt Degree College R/Peo, Kinnaur (3.5 years), Post Graduate Institute of Biotechnology, SILB Solan (5-months) and Swami Shraddhanand College, University of Delhi (11 years). She has published two papers and five book chapters.

Dr. Richa Sharma

Dr. Richa Sharma is presently working as Assistant Professor in the Department of Microbiology at Shaheed Rajguru College of Applied Science for Women, University of Delhi. She has also taught as an Assistant Professor in several other colleges of DU and Central University of Haryana. She is B.Sc. and M.Sc. in Microbiology from University of Delhi. She completed her Ph D. in 2013 on the topic “Keratinases from *Pseudomonas aeruginosa* KS-1: Characterization and degradation of surrogate prion protein Sup 35NM” under the supervision of Prof. Rani Gupta from Department of Microbiology, University of Delhi, South Campus. She has published 16 International papers and seven book chapters from her academic career.

Dr. Kohinoor Kaur

Dr. Kohinoor Kaur is working as Assistant Professor at the Department of Microbiology, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi. She has completed her B.Sc (H) Microbiology Ram Lal Anand College, Delhi University and her M.Sc. and Ph D from All India Institute of Medical Sciences, New Delhi, India. She has published nine research paper and one book chapter from her academic career. She was the one of the resource person for mushroom cultivation in faculty development program from September 10, 2021 to February 22, 2022 conducted by Enactus Shaheed Rajguru, an entrepreneurial society in collaboration with the Department of Microbiology, Shaheed Rajguru college of Applied Sciences for Women, University of Delhi.

Ms Tanusha Jain

Ms. Tanusha is management graduate in the field of marketing and has diverse experience spanning corporate and teaching. Her area of interests is digital marketing, branding, consumer behaviour and market research. She has taken up various projects related to social entrepreneurship along with students. She is currently pursuing her Ph.D in marketing in the field of augmented reality in marketing.

Ms Rableen Kaur

Ms. Rableen Kaur Rao is presently working at Department of Management Studies, Shaheed Rajguru College of Applied Sciences For Women, University of Delhi. Before joining this college, she has taught in other colleges of University of Delhi also. She has obtained her B.Com (Hons.) and M.Com from Janki Devi Memorial College of University of Delhi. She has done her M.Phil from Department of Commerce, Delhi School of Economics, University of Delhi and pursuing her PhD from the same institute. She has published 10 research articles in national and international journals of repute and also presented her research in various conferences.

LIST OF STUDENTS PARTICIPATED IN THE COURSE

Number of Students registered: 77

Detail of Students:

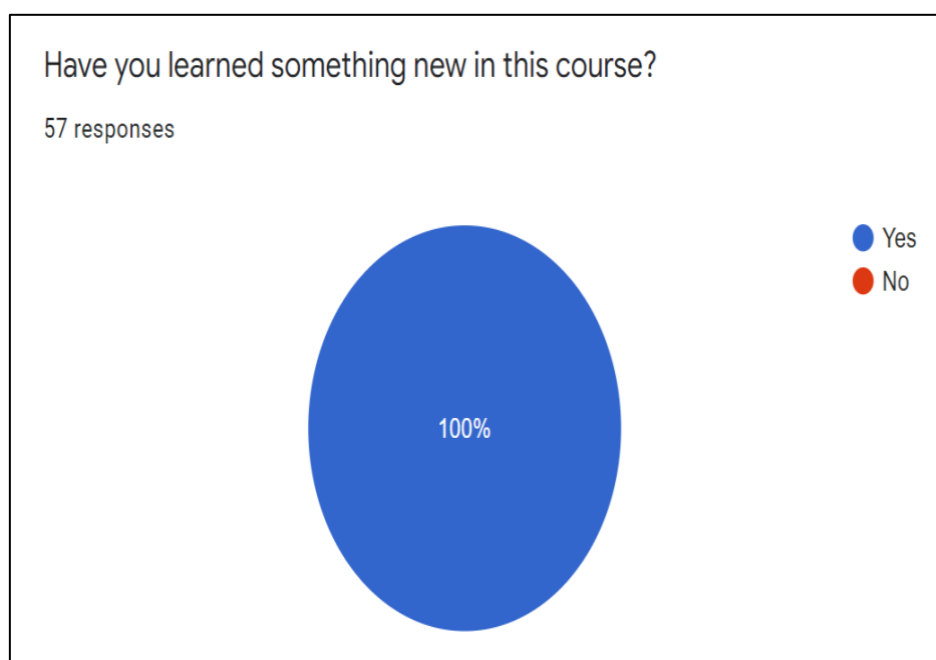
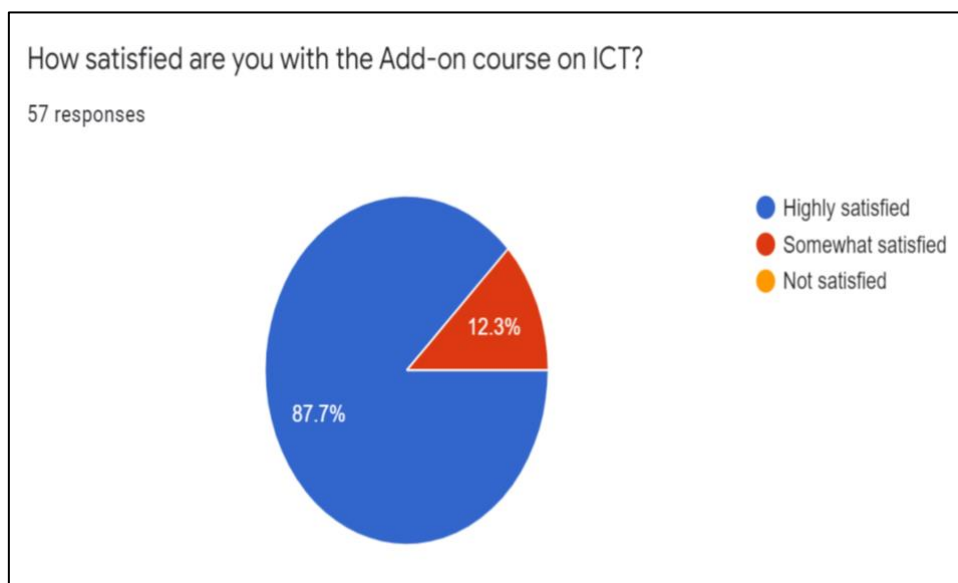
S.NO.	NAME OF STUDENT	COURSE	SEMESTER
1.	AASTHA SINGH	B.Sc. (H) Botany	VI
2.	ABHIJEET GOND	B.Sc. (H) Botany	VI
3.	BALDEV YADAV	B.Sc. (H) Botany	VI
4.	PAWAN SEKWAL	B.Sc. (H) Botany	VI
5.	SANGAM SAXENA	B.Sc. (H) Botany	VI
6.	SHIVAM SHARMA	B.Sc. (H) Botany	VI
7.	AKARSHI	B.Sc. (H) Botany	VI
8.	RITIKA	B.Sc. (H) Botany	VI
9.	ANJALI	B.Sc. (H) Botany	VI

10.	SENTIMANGLA	B.Sc. (H) Botany	VI
11.	SAVITA NEGI	B.Sc. (H) Botany	VI
12.	MEGHA	B.Sc. (H) Botany	VI
13.	SAKSKI YADAV	B.Sc. (H) Botany	VI
14.	ZUBAIR	B.Sc. (H) Botany	VI
15.	MONIKA	B.Sc. (H) Botany	VI
16.	NIRAJ KUMAR KHERWAR	B.Sc. (H) Botany	VI
17.	ARTI	B.Sc. (H) Botany	VI
18.	AKANKSHA VERMA	B.Sc. (H) Botany	VI
19.	ABHIJEET KUMAR	B.Sc. (H) Botany	VI
20.	DRISHTI	B.Sc. (H) Botany	VI
21.	MAITREYA LAKSHAM	B.Sc. (H) Botany	VI
22.	GAYATRI MANN	B.Sc. (H) Botany	IV
23.	GOVIND UPADHYAY	B.Sc. (H) Botany	IV
24.	KANISHKA CHAUDHARY	B.Sc. (H) Botany	IV
25.	KANUPRIYA	B.Sc. (H) Botany	IV
26.	ASFIA HASAN	B.Sc. (H) Botany	IV
27.	PRABHAT ARORA	B.Sc. (H) Botany	IV
28.	SARANSI DEO	B.Sc. (H) Botany	IV
29.	SHAKTI PANDEY	B.Sc. (H) Botany	IV
30.	VANDANA YADAV	B.Sc. (H) Botany	IV
31.	ACHINTYA TIWARI	B.Sc. (H) Botany	IV
32.	IRFAN	B.Sc. (H) Botany	IV
33.	APARNA BEHWAL	B.Sc. (H) Botany	IV
34.	VARSHA	B.Sc. (H) Botany	IV
35.	ADITYA JHA	B.Sc. (H) Botany	IV
36.	ROSTAM TAMPAKMAYUM	B.Sc. (H) Botany	IV
37.	AAYUSH YADAV	B.Sc. (H) Botany	IV
38.	AMAN	B.Sc. (H) Botany	IV
39.	ABHISHEK YADAV	B.Sc. (H) Botany	I
40.	AKANSHA SINGH SAINI	B.Sc. Life Sciences	VI
41.	GANESH SIYAG	B.Sc. Life Sciences	VI
42.	NEHA	B.Sc. Life Sciences	VI

43.	ROHIT SINGH	B.Sc. Life Sciences	VI
44.	SAKSHI YADAV	B.Sc. Life Sciences	VI
45.	SAQLINA AHMED	B.Sc. Life Sciences	VI
46.	SONI KUMARI	B.Sc. Life Sciences	VI
47.	UTKARSH PANDEY	B.Sc. Life Sciences	VI
48.	KUMUD	B.Sc. Life Sciences	VI
49.	ISHA JHA	B.Sc. Life Sciences	VI
50.	HARSHDEEP SINGH	B.Sc. Life Sciences	IV
51.	NAAZNEEN	B.Sc. Applied Life Sciences	IV
52.	MOHD MUSHAID MALIK	B.Sc. Applied Life Sciences	IV
53.	TAMANNA	B.Sc. Applied Life Sciences	IV
54.	SUMAN MATHUR	B.Sc. Applied Life Sciences	IV
55.	SOURABH	B.Sc. Applied Life Sciences	IV
56.	ROBIN SINGH	B.Sc. Applied Life Sciences	IV
57.	RIZWANA PARVEEN	B.Sc. Applied Life Sciences	IV
58.	PARMANSHI YADAV	B.Sc. Applied Life Sciences	IV
59.	NANCY	B.Sc. Applied Life Sciences	IV
60.	G. LAKSHMI TULASI	B.Sc. Applied Life Sciences	IV
61.	BHAWNA	B.Sc. Applied Life Sciences	IV
62.	AMRITA MISHRA	B.Sc. Applied Life Sciences	IV
63.	AAKRITI SEMWAL	B.Sc. Applied Life Sciences	IV
64.	AARFEEN HUSSAIN	B.Sc. Applied Life Sciences	IV
65.	FAIZA PARVEZ	B.Sc. Applied Life Sciences	IV
66.	RASHID	B.Sc. Applied Life Sciences	I
67.	SAARIM ATEEQ FATMI	B.Sc. Applied Life Sciences	I
68.	TRIPTI	B.Sc. Applied Life Sciences	IV
69.	SHASHANK PANDEY	B.Sc. Applied Life Sciences	I
70.	VIVEK	B.Sc.(H) Microbiology	I
71.	ASHUTOSH SUMAN	B.Sc.(H) Microbiology	IV
72.	RAHUL	B.Sc.(H) Microbiology	IV
73.	RASHIKA	B.Sc.(H) Microbiology	IV
74.	SAMEER AHMED	B.Sc.(H) Microbiology	IV
75.	YOGESH	B.Sc.(H) Microbiology	IV

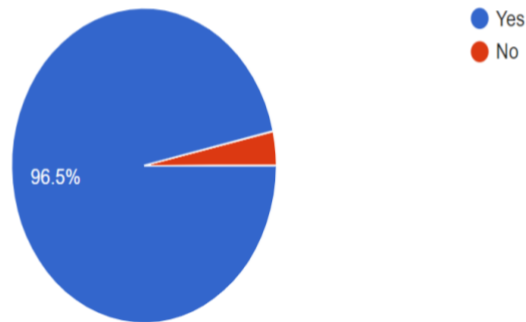
76.	ARDHENDU MISHRA	B.Sc (H) Chemistry	IV
77.	MANNU SHISHODIA	B.Sc (H) Chemistry	IV

Student's Feedback on Addon Course



Did the course motivate you to pursue "Mushroom cultivation" as a field of study?

57 responses



Please give your overall feedback for the course.

57 responses

It was a great session

It was very helpful to us. A lot of practical exposure was given by experts.

It was a very nice session.

I enjoyed it very much.

It gave me very interesting knowledge about mushroom 🍄 cultivation.

Its been a very informative course about the mushroom

Eye opening

Efforts of the professors and the other dignitaries was really spectacular became to know about most of the things and really informative things about mushroom cultivation how machines are grown and how they are important in every respect of life industrialisation and other fields and the course also motivated us to pursue mushroom cultivation as a field of study for the future.

Overall this course helped me a lot to know more about mushroom 🍄

Certificate of Participation for the Students



The certificate is framed in a dark blue border with yellow decorative lines. It features the Swami Shraddhanand College logo on the top left and the University of Delhi logo on the top right. The text is centered and reads: 'DEPARTMENT OF BOTANY SWAMI SHRADDHANAND COLLEGE UNIVERSITY OF DELHI 30 hours Add-on course on MUSHROOM CULTIVATION Certificate of Participation'. Below this, a paragraph certifies that a student from Swami Shraddhanand College has successfully completed the 30-hour add-on course on 'Mushroom Cultivation' from March 14, 2022, to April 7, 2022. At the bottom, four names and titles are listed: Prof. Parveen Garg (Patron), Dr. Renu Garg (Convener), Prof. Geeta Saxena (Co-Convener), and Dr. Bhoopander Giri (Co-Convener).

DEPARTMENT OF BOTANY
SWAMI SHRADDHANAND COLLEGE
UNIVERSITY OF DELHI

30 hours Add-on course on
MUSHROOM CULTIVATION

Certificate of Participation

This is to certify that _____ from Swami Shraddhanand College has successfully completed the 30 hours add-on course on "Mushroom Cultivation" organized by the Department of Botany, Swami Shraddhanand College, University of Delhi under the aegis of Internal Quality Assurance Cell, from March 14, 2022 to April 7, 2022.

Prof. Parveen Garg
Patron

Dr. Renu Garg
Convener

Prof. Geeta Saxena
Co-Convener

Dr. Bhoopander Giri
Co-Convener

Gallery

