



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

BIHER/BIST/AG/SPL/2020

DATE: 26.08.2020

PERMISSION LETTER

From

Mr. B. Suriya Sabarinath,
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 600 073

To

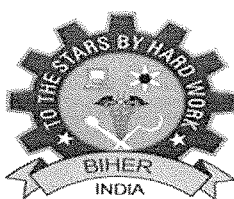
HOD
School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 600 073

Respected Sir/ Madam,

I wish to inform you that as it is decided to conduct the value added course to supplementary the curriculum to makes students better to meet industry demand as well as develop their own interest and aptitude. The eligibility of the scores is open for UG student from Department School of agriculture Sciences in Association with SRM Agricultural College, Acharapakkam. So please tell me as to conduct the value added course "**MICROBIAL INOCULANT PRODUCTION TECHNOLOGY**" from 08.09.2020 to 28.09.2020

Thanking you

HOD



Bharath

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Date: 02-09-2020

SCHOOL OF AGRICULTURAL SCIENCES

CIRCULAR

Notification for Value added courses offered by the School of Agricultural Sciences

The School of Agriculture is scheduled to offer a course on **Microbial Inoculant Production Technology** from 08/ 09/ 2020 for a period of 3 weeks. Interested students can approach Mr.B. Surya Sabarinath, Assistant Professor and Course Coordinator, School of Agricultural Sciences for registration and for further details on or before 06th September 2020.

Link for joining the course: <https://meet.google.com/hpx-abfz-ixn>

Eligibility- B.Sc.,(Hons.)Agriculture

Course Coordinator
Mr. B. Surya Sabarinath

HOD

Copy to:

Vice Chancellor

Pro Vice Chancellor

Additional Registrar

Deans

CoE

Heads of Departments

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
SCHOOL OF AGRICULTURAL SCIENCES**

VALUE ADDED COURSE

Microbial inoculant production Technology (2020-2021)

Students Name List

S.No	Reg No	Name
1	U18AG002	YASHIKA S
2	U18AG004	SIVAPRIYA S
3	U18AG011	VAGGA VARSHINI
4	U18AG012	NARMADHA D
5	U18AG013	JAWAHAR R
6	U18Av014	CHANDRU R
7	U18AG015	VIGNESH T
8	U18AG016	YEDLA RAVI TEJA
9	U18AG018	OGETI VISWANADHA SASTRY
10	U18AG028	GADDE SRI NAGA GOPI
11	U18AG029	JAISON JAYAKUMAR M
12	U18AG030	K SAI CHAITANYA
13	U18AG031	MODDU SAI SUJAN
14	U18AG032	PRAVEEN KUMAR G
15	U18AG033	PEGADA JAYASRI
16	U18AG034	SURIYA R
17	U18AG035	NEELAKANTAM SIVANI
18	U18AG036	KAYYURI POOJITHA
19	U18AG038	SAMMANA HARATHI
20	U18AG039	ASI VYSHNAVI
21	U18AG040	BOYAPATI ANUSHA
22	U18AG041	HARINI N
23	U18AG042	BASKARAN V
24	U18AG043	RAJ KUMAR N
25	U18AG044	RISHITHA
26	U19AG001	ABINAYA. M
27	U19AG012	DILIP KUMAR. M
28	U19AG013	GANJI. CHANDU
29	U19AG015	GUTTULA TEJASWI
30	U19AG020	KAVIYA SRI. S
31	U19AG021	KAVIYARASAN. R
32	U19AG022	KOMALA. N
33	U19AG024	MANISHA. D.J
34	U19AG025	MARAN. S
35	U19AG026	MUGESH. R
36	U19AG034	POOJA PATTU. R
37	U19AG040	SANGEETHA.R
38	U19AG043	SIVAPU. PRIYANAKA
39	U19AG044	SURESH KUMAR B.T
40	U19AG045	SURESH BABU. E

41	U19AG045	SURESH BABU. E
42	U19AG046	THENMOZHI.A
43	U19AG047	THIRUMAL.B
44	U19AG048	THULASI G.K
45	U19AG049	VISARAPU. LEELA MANI SAIGOPI KRISHNA

SCHOOL OF AGRICULTURAL SCIENCES

VALUE ADDED COURSE

SHORT COURSE ON MICROBIAL INOCULANT PRODUCTION TECHNOLOGY (2020-2021)

Session	Topic	Date	Duration (Hr)	Resource person
Session I	Introduction and history of plant tissue culture	08.09.2020	3	Mr. B. Surya sabarinath
Session II	Steps involved in plant tissue culture	11.09.2020	3	Mr. B. Surya sabarinath
Session III	Micrografting and invitro propagation for crop improvement	14.09.2020	4	Mr. B. Surya sabarinath
Session IV	Meristem culture	16.09.2020	3	Mr. B. Surya sabarinath
Session V	Stages in micro propogation through direct and indirect organogenesis	18.09.2020	3	Mr. B. Surya sabarinath
Session VI	Cytological studies of callus and their subculturing	21.09.2020	4	Mr. B. Surya sabarinath
Session VII	Embryo, Endosperm, Ovule and Anther culture	23.09.2020	3	Mr. B. Surya sabarinath
Session VIII	Subculturing for Nucellar Seedlings for Clonal Propagation	25.09.2020	3	Mr. B. Surya sabarinath
Session IX	Primary hardening of Tissue culture Plants and their Acclimatization	28.09.2020	4	Mr. B. Surya sabarinath



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SCHOOL OF AGRICULTURE

MICROBIAL INOCULANT PRODUCTION TECHNOLOGY
(2020-2021)

COURSE CO-ORDINATOR DETAILS

Faculty Name : Mr. B. Surya Sabarinath, Assistant Professor,
School of Agricultural Sciences

Email ID : suryasabarinath.agri@bharathuniv.ac.in

Mobile number : 8610719539

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

SCHOOL OF AGRICULTURE

VALUE ADDED COURSE SYLLABUS

2020-2021

SHORT COURSE ON MICRO INOCULANT AND PRODUCTION TECHNOLOGY

OBJECTIVES

1. To make the students learn different methods of propagation techniques.
2. To impart knowledge on micro grafting, micro propagation and organogenesis.
3. To make them familiarize for commercial purpose through production of secondary metabolites.

MODULE 1: HISTORY OF PLANT TISSUE CULTURE

History, scope, advantage and limitations of plant tissue culture. Guidelines for establishing plant tissue culture lab.

MODULE 2: MICROPROPAGATION TECHNIQUES-1

Meristem culture, Nucellus culture, Types of organogenesis, Steps involved in plant tissue culture and strategies of micro propagation.

MODULE 3: MICROPROPAGATION TECHNIQUES- II

Strategies of micro propagation- auxiliary shoot proliferation, organogenesis and somatic embryogenesis.

MODULE 4: ESTABLISHMENT OF MICROPROPAGATION LABORATORY

Handling and instrumentation of plant tissue culture, glassware washing and sterilization techniques, preparation of stock solution and nutrient media and surface sterilization

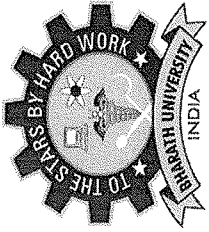
MODULE 5: SOMATIC EMBRYOGENESIS

Artificial seed production, Establishment of culture for induction of embryonic callus and maturation and conversion of somatic embryo.

Total Contact Hours: 30

TEXT BOOKS

1. N. Kumar.2017. Introduction to Horticulture. CBS Publishers and distributors pvt ltd. Newdelhi



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SCHOOL OF AGRICULTURAL SCIENCES
MICROBIAL INOCULANT PRODUCTION TECHNOLOGY

Certificate of Participation

This is to certify that Mr /Ms. B. THIRUMAL (U19AG047) has attended three weeks on **MICROBIAL INOCULANT PRODUCTION TECHNOLOGY** conducted by School of Agricultural Sciences at Bharath Institute of Higher Education and Research, Chennai (TN), India during- 8th - 29th September 2020

COURSE COORDINATOR

B. Surya Sabarinath

HOD

Dr. R. Thulasiram

ARATH INSTITUTE OF HIGHER EDUCATION AND RESEAR
SCHOOL OF AGRICULTURAL SCIENCES
VALUE ADDED COURSE

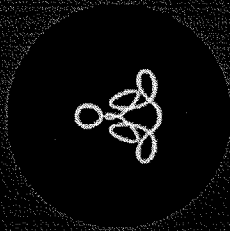
Microbial Inoculant Production Technology (2020-2021)

Students Feedback

S.No	Reg No	Name	Name of the college	Designation	Department	phone Number	Feedback form	Rating
1	U18AG002	YASHIKA S	Bharath Institute of Higher E student	Agriculture	Agriculture	9025617170	Excellent	3.5
2	U18AG004	SIVAPRIYA S	Bharath Institute of Higher E student	Agriculture	Agriculture	6369099583	very interesting, infermative and very useful	4.5
3	U18AG011	VAGGA VARSHINI	Bharath Institute of Higher E student	Agriculture	Agriculture	9095772744	Very useful session	4.5
4	U18AG012	NARMADHA D	Bharath Institute of Higher E student	Agriculture	Agriculture	7904598802	Good	5
5	U18AG013	JAWAHAR R	Bharath Institute of Higher E student	Agriculture	Agriculture	8675985144	Webinar was very helpful	4.6
6	U18AV014	CHANDRU R	Bharath Institute of Higher E student	Agriculture	Agriculture	9345535558	Very good	5
7	U18AG015	VIGNESH T	Bharath Institute of Higher E student	Agriculture	Agriculture	8839403521	Nice	4.4
8	U18AG016	YEDLA RAVI TEJA	Bharath Institute of Higher E student	Agriculture	Agriculture	8456099170	Nice	3.7
9	U18AG018	OGETI VISWANADHA SASTRY	Bharath Institute of Higher E student	Agriculture	Agriculture	9150785219	Good	4.5
10	U18AG028	GADDE SRI NAGA GOPI	Bharath Institute of Higher E student	Agriculture	Agriculture	9150785697	Very good	4.5
11	U18AG029	JAIJON JAYAKUMAR M	Bharath Institute of Higher E student	Agriculture	Agriculture	7639328560	Very good	4
12	U18AG030	K SAI CHAITANYA	Bharath Institute of Higher E student	Agriculture	Agriculture	8124681560	Excellent	5
13	U18AG031	MODDU SAI SUJAN	Bharath Institute of Higher E student	Agriculture	Agriculture	7091139709	Very informative	4.5
14	U18AG032	PRAVEEN KUMAR G	Bharath Institute of Higher E student	Agriculture	Agriculture	7904633102	Very usefull and easily understandable	5
15	U18AG033	PEGADA JAYASRI	Bharath Institute of Higher E student	Agriculture	Agriculture	7904919766	Today class was something very useful i learn so	4
16	U18AG034	SURIYA R	Bharath Institute of Higher E student	Agriculture	Agriculture	8217529355	Excellent presentation	4.5
17	U18AG035	NEELAKANTAM SIVANI	Bharath Institute of Higher E student	Agriculture	Agriculture	9025617170	Gud	5
18	U18AG036	KAYYURI POOJITHA	Bharath Institute of Higher E student	Agriculture	Agriculture	6369099583	Very informative thankyou for this wonderful we	5
19	U18AG038	SAMMANA HARATHI	Bharath Institute of Higher E student	Agriculture	Agriculture	9095772744	Very intersting to learn more about new trends ir	5
20	U18AG039	ASI VYSHNAVI	Bharath Institute of Higher E student	Agriculture	Agriculture	7904598802	Its very useful information and it is very helpful.	4.5
21	U18AG040	BOYAPATI ANUSHA	Bharath Institute of Higher E student	Agriculture	Agriculture	8675985144	Good	5
22	U18AG041	HARINI N	Bharath Institute of Higher E student	Agriculture	Agriculture	9345535558	Useful and valuable webinar sir	4.5
23	U18AG042	BASKARAN V	Bharath Institute of Higher E student	Agriculture	Agriculture	8839403521	Valuable session	4.5
24	U18AG043	RAJ KUMAR N	Bharath Institute of Higher E student	Agriculture	Agriculture	8456099170	Got information about the latest farm machinery.	5
25	U18AG044	RISHITHA	Bharath Institute of Higher E student	Agriculture	Agriculture	9150785219	Excellent	5

26	U19AG001	ABINAYA. M	Bharath Institute of Higher E student	Agriculture	6369099583 Useful and learn more about mechanization..Tha	5
27	U19AG012	DILIP KUMAR. M	Bharath Institute of Higher E student	Agriculture	9095772744 Very useful and to gain knowledge	5
28	U19AG013	GANJI. CHANDU	Bharath Institute of Higher E student	Agriculture	7904598802 very interesting, informative, and very useful for	4.5
29	U19AG015	GUTTULA TEJASWI				
30	U19AG020	KAVIYA SRI. S	Bharath Institute of Higher E student	Agriculture	8675985144 Very useful session	4
31	U19AG021	KAVIYARASAN. R	Bharath Institute of Higher E student	Agriculture	9345535558 Good	4.5
32	U19AG022	KOMALA. N	Bharath Institute of Higher E student	Agriculture	8667801975 Webinar was very helpful	4.5
33	U19AG024	MANISHA. D.J	Bharath Institute of Higher E student	Agriculture	6374845376 Very good	5
34	U19AG025	MARAN. S	Bharath Institute of Higher E student	Agriculture	8925176969 Nice	4
35	U19AG026	MUGESH. R	Bharath Institute of Higher E student	Agriculture	6369925461 Nice	4
36	U19AG034	POOJA PATTU. R	Bharath Institute of Higher E student	Agriculture	7397402942 Good	4
37	U19AG040	SANGBEETHA. R	Bharath Institute of Higher E student	Agriculture	8124681560 Webinar was interesting and got some knowledg	4.5
38		SIVAPU. PRIYANAKA	Bharath Institute of Higher E student	Agriculture	7091139709 Its very useful...	4.5
39	U19AG043	SURESH KUMAR B.T	Bharath Institute of Higher E student	Agriculture	7904633102 Informative and Good	4
40	U19AG044	SURESH BABU. E	Bharath Institute of Higher E student	Agriculture	7904919766 more informative webinar	4
41	U19AG045	SURESH BABU. E	Bharath Institute of Higher E student	Agriculture	8217529355 Good	4
42	U19AG046	THENMOZHILA	Bharath Institute of Higher E student	Agriculture	9025617170 Gud	4.5
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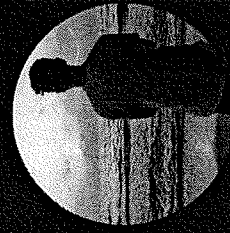
Microbial Inoculant and Production Technology



PEGADA



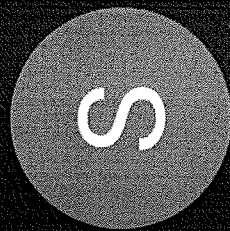
Sujan



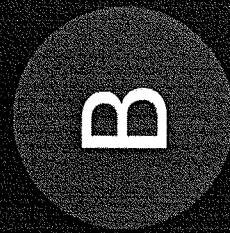
Gopi



You



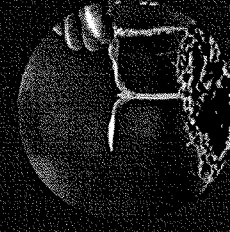
SAI



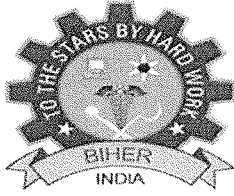
Boyapati



Viswanadha



Kaskurthi



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BIHER/BIST/AG/SPL/2020

DATE: 27.07.2020

PERMISSION LETTER

From

Mrs. M. Dhivya,

School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 600 073

To

HOD

School of Agricultural Sciences,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 600 073

Respected Sir/ Madam,

I wish to inform you that as it is decided to conduct the value added course to supplementary the curriculum to makes students better to meet industry demand as well as develop their own interest and aptitude. The eligibility of the scores is open for UG student from Department School of agriculture Sciences in Association with Aadhparasakthi Agricultural College, Kalavai. So please tell me as to conduct the value added course “**PRINCIPLES OF PLANT PROPOGATION**” from 10.08.2020 to 10.09.2020

Thanking you

HOD