

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department of Zoology

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**Short Term Course on Vermicomposting
Year 2021-22**

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Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

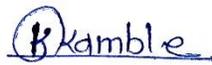
Department of Zoology

NOTICE

2021-22

Date:- 02/12/2021

All the students of B. Sc. II and III are here by informed that Department has organized “**Short Term Course based on Vermicomposting**” from Monday **6th December 2021**. All student are informed that they should remain present for course on time. It may clearly noted that fine will be collected from absent students.



Incharge



Head,

Department of Zoology



Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

(Self Financed) Short term certificate course

In

Vermicomposting

Organized by

Department of Zoology

Course Incharge

Mr. Jawale C.B.

Course Duration: 06 Dec.2021–10 Jan.2022

Rayat Shikshan Sanstha's
D.P. Bhosale College, Koregaon

Department of Zoology

Year : 2021-22

Short term certificate course
in **VERMICOMPOSTING**

Objectives:-

1. To study various types of organic wastes in farm
2. To study different varieties of earthworm for vermicompost technique.
3. To manufacture the vermicompost by low cost technique.
4. To study various methods for preparation of vermicompost and vermiwash.
5. To study various methods of preparation of vermicompost and vermiwash.
6. Application of vermicompost & vermiwash for different crops, fruits & vegetables.


In charge

Certificate Course


Head,

Department of Zoology

Syllabus

Theory

Paper I: Morphology and physiology of Earthworm.

1. Introduction- History- Organic farming.
2. Morphology of Earthworm- External features.
3. Importance of Earthworms in agriculture.
4. Various species of earthworms used in vermicomposting.
5. Study of digestive system of earthworm.
6. Study of excretory system of earthworm.
7. Study of reproductive system and life cycle.
8. Vermitechnology- methods- breeding & rearing of worms.

Paper II Vermitechnology

1. Preparation of vermicompost (bed method, pot method).
2. Setting of vermicompost beds- food, moisture contents, temperature.
3. Management of beds- Temp, pH, protection from predator.
4. Setting of Vermiwash tank and maintenance.
5. Vermiwash method of extraction and application
6. Harvesting of vermicompost ,vermiwash and sericulture.
7. Economics of vermicomposting.
8. Application of vermicompost and vermiwash.

Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

Certificate Course in Vermicomposting

Time Table- 2021-22

Theory & Practical

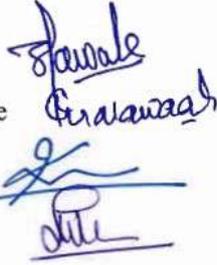
Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.15-11.15 Theory	CBJ	SPN	KJK	NAS	CBJ/SPN	KJK/NAS
08.30-10.30 Practical	CBJ		KJK	NAS	CBJ	KJK

CBJ – Mr. C. B. Jawale

SPN – Dr. S. P. Nalawade

KJK – Dr. K. J. Kamble

NAS – Ms. N. A. Shaikh




Head
Department of Zoology
D. P. Bhosale College Koregaon

Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

Certificate Course in Vermicomposting**Time Table- 2021-22****Theory & Practical**

Date	Time	Theory / Practical	Name of the teacher
06/12/2021	10.15-11.15	Theory	Mr. C.B. Jawale
07/12/2021	10.15-11.15	Theory	Dr. S. P. Nalawade
08/12/2021	10-15-11.15	Theory	Dr. K.J. Kamble
09/12/2021	10.15-11.15	Theory	Ms. N. A. Shaikh
10/12/2021	10.15-11.15	Theory	Mr. C.B. Jawale
11/12/2021	08.30-10.30	Practical	Dr. K.J. Kamble
13/12/2021	10.15-11.15	Theory	Mr. C.B. Jawale
14/12/2021	10.15-11.15	Theory	Dr. S. P. Nalawade
15/12/2021	08.30-10.30	Practical	Dr. K.J. Kamble
16/12/2021	10.15-11.15	Theory	Ms. N. A. Shaikh
17/12/2021	10.15-11.15	Theory	Dr. S. P. Nalawade
18/12/2021	10.15-11.15	Theory	Ms. N. A. Shaikh
20/12/2021	10.15-11.15	Theory	Mr. C.B. Jawale
21/12/2021	10.15-11.15	Theory	Dr. S. P. Nalawade
22/12/2021	10.15-11.15	Theory	Dr. K.J. Kamble
23/12/2021	10.15-11.15	Theory	Ms. N. A. Shaikh
24/12/2021	08.30-10.30	Practical	Mr. C.B. Jawale
27/12/2021	10.15-11.15	Theory	Mr. C.B. Jawale
28/12/2021	10.15-11.15	Theory	Dr. S. P. Nalawade
29/12/2021	10.15-11.15	Theory	Dr. K.J. Kamble
30/12/2021	08.30-10.30	Practical	Ms. N. A. Shaikh
31/12/2021	10.15-11.15	Theory	Dr. S. P. Nalawade
01/01/2022	10.15-11.15	Theory	Ms. N. A. Shaikh
03/01/2022	10.15-11.15	Theory	Mr. C.B. Jawale
04/01/2022	10.15-11.15	Theory	Dr. S. P. Nalawade
05/01/2022	08.30-10.30	Practical	Dr. K.J. Kamble
06/01/2022	08.30-10.30	Practical	Ms. N. A. Shaikh
07/01/2022	08.30-10.30	Practical	Mr. C.B. Jawale
08/01/2022	08.30-10.30	Practical	Dr. K.J. Kamble
10/01/2022	08.30-10.30	Practical	Mr. C.B. Jawale

Rayat Shikshan Sanstha's
D.P. Bhosale College, Koregaon
Student list 2021-22
Certificate course on Vermicomposting

Sr. No.	Roll No	Name of the Students
1	22653	Anbhule Bhakti Jagannath
2	22654	Barge Rutuja Vinod
3	22655	Barge Uddesh Pandurang
4	22656	Bhosale Akash Hanmant
5	22657	Bhosale Divya Datta
6	22658	Gade Divya Ramdas
7	22659	Ghadge Abhishek Himmat
8	22660	Kamble Kunal Navnath
9	22661	Londhe Nilam Subhash
10	22662	Oswal Neelkumar Rakesh
11	22512	Bali Shekhar Sanjay
12	22513	Bhosale Divya Baburao
13	22514	Gaikwad Shveta Chandrakant
14	22515	Ghadge Abhishek Suresh
15	22516	Ghadge Sanika Sanjay
16	22517	Ghadge Vaishnavi Bharat
17	22518	Ghorpade Riteek Krishnadev
18	22519	Ghorpade Vaishnavi Arjun
19	22520	Jadhav Vaishnavi Sunil
20	22521	Kadam Akanksha Mahesh
21	22522	Kondawale Dipali Shivaji
22	22523	Mahamuni Prabhanjay Nandkumar
23	22524	Nikam Ankita Ramesh
24	22525	Shedge Aruna Narayan
25	22526	Waghmare Sakshata Krishnat
26	22527	Yadav Mayavati Dattatray

Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
22653	Anbhule B.J.						ABJ	ABJ	ABJ	A	ABJ	ABJ		ABJ	ABJ	ABJ	ABJ	A	ABJ		ABJ	ABJ	ABJ	ABJ	A			ABJ	ABJ	ABJ	ABJ	A	
22654	Barge R. V.						BARGE	BARGE	BARGE	BARGE	BARGE	BARGE		BARGE		BARGE	BARGE	BARGE	BARGE	BARGE			BARGE	BARGE	BARGE	BARGE	BARGE						
22655	Barge U. P.						UB	UB	UB	UB	UB	UB		UB		UB	UB	UB	UB	UB			UB	UB	UB	UB	UB						
22656	Bhosale A. H.						A	ABH	ABH	ABH	ABH	A		ABH	ABH	A	ABH	ABH	ABH	ABH		ABH	ABH	ABH	ABH	A			ABH	A	ABH	ABH	ABH
22657	Bhosale D. D.						A	DD	DD	DD	DD	A		DD	A	DD	A	DD	DD	DD		DD	DD	A	DD	DD			DD	A	DD	DD	DD
22658	Gade D. R.						GAD	GAD	GAD	GAD	A	GAD		GAD	GAD	GAD	GAD	GAD	GAD	A		GAD	GAD	GAD	GAD	GAD			GAD	GAD	GAD	GAD	GAD
22659	Ghadge A. H.						DR	DR	DR	DR	A	DR		DR	DR	DR	DR	DR	DR			DR	DR	DR	DR	A			DR	A	DR	DR	DR
22660	Kamble K. N.						K	K	K	K	A	K		K	A	K	A	K	K	K		K	K	K	K	A			K	K	K	K	K
22661	Londhe N. S.						L	L	L	L	A	L		L	L	L	L	L	L	A		L	L	L	L	A			L	L	L	L	L
22662	Oswal N. R.						O	O	O	O	A	O		O	O	O	O	O	O	A		O	O	O	O	A			O	O	O	O	O
22512	Bali S. S.						S	A	S	S	S	S		S	A	S	S	S	S	S		S	S	S	S	S			S	S	S	S	S
22513	Bhosale D. B.						DBD	DBD	DBD	DBD	A	DBD		DBD	DBD	DBD	DBD	DBD	DBD			DBD	DBD	DBD	DBD	DBD			A	DBD	DBD	DBD	A
22514	Gaikwad S. C.						G	G	G	G	G	G		G	G	G	G	G	G	A		G	G	G	G	G			G	G	G	G	G
22515	Ghadge A. S.						G	G	G	G	G	G		G	G	G	G	G	G	G		G	G	G	G	G			G	G	G	G	G
22516	Ghadge S. S.						S	S	S	S	S	S		S	S	S	S	S	S	A		S	S	S	S	S			S	S	S	S	S
22517	Ghadge V. B.						G	G	G	A	G	G		G	G	G	A	G	G	G		G	G	G	A	G			G	G	G	G	A
22518	Ghorpade R. K.						R	R	R	R	R	A		R	R	R	A	R	R	R		R	R	R	R	R			R	A	R	R	R
22519	Ghorpade V. A.						G	G	G	G	G	A		G	G	G	A	G	G	G		A	G	G	G	A			A	G	G	G	A
22520	Jadhav V. S.						J	J	J	J	J	J		J	J	J	J	J	J	J		J	J	J	J	J			J	J	J	J	J
22521	Kadam A. M.						A	K	K	K	K	A		K	K	A	K	K	K	A		K	K	K	K	A			K	K	K	K	A
22522	Kondawale D. S.						K	K	K	K	K	K		K	K	K	K	K	K	K		K	K	K	K	K			K	K	K	K	K
22523	Mahamuni P. N.						P	P	P	P	P	P		P	P	P	A	P	P	P		P	A	P	P	P			P	A	P	P	P
22524	Nikam A. R.						N	N	N	N	N	N		N	N	N	N	N	N	N		N	N	N	N	N			N	N	N	N	N
22525	Shedge A. N.						A	S	S	S	S	A		S	S	S	A	S	S	S		A	S	S	S	A			A	S	S	S	S
22526	Waghmare S. K.						S	S	S	S	S	S		S	S	S	S	S	S	S		S	S	S	S	S			S	S	S	S	S
22527	Yadav M. D.						M	M	M	M	M	M		M	M	M	M	M	M	M		M	M	M	M	M			M	M	M	M	M

Shawale
Head

Department of Zoology
D. P. Bhosale College Koregaon

Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
22653	Anbhule B.J.	ABJ		A	ABJ	ABJ	ABJ	ABJ	ABJ	ABJ																							
22654	Barge R. V.	Barge		Barge	Barge	Barge	Barge	Barge	Barge	Barge																							
22655	Barge U. P.	UP		UP	UP	UP	UP	UP	UP	UP																							
22656	Bhosale A. H.	AH		AH	AH	AH	AH	AH	AH	AH																							
22657	Bhosale D. D.	DD		DD	DD	DD	DD	DD	DD	DD																							
22658	Gade D. R.	DR		A	DR	DR	DR	DR	DR	DR																							
22659	Ghadge A. H.	AH		A	AH	AH	AH	AH	AH	AH																							
22660	Kamble K. N.	KN		KN	KN	KN	KN	KN	KN	KN																							
22661	Londhe N. S.	NS		NS	NS	NS	NS	NS	NS	NS																							
22662	Oswal N. R.	NR		NR	NR	NR	NR	NR	NR	NR																							
22512	Bali S. S.	SS		S.Bali	S.Bali	A	S.Bali	S.Bali	S.Bali	S.Bali																							
22513	Bhosale D. B.	DB		DB	DB	DB	DB	DB	DB	DB																							
22514	Gaikwad S. C.	SC		SC	SC	SC	SC	SC	SC	SC																							
22515	Ghadge A. S.	AS		AS	AS	AS	AS	AS	AS	AS																							
22516	Ghadge S. S.	SS		SS	SS	SS	SS	SS	SS	SS																							
22517	Ghadge V. B.	VB		VB	VB	A	VB	VB	VB	VB																							
22518	Ghorpade R. K.	RK		RK	RK	RK	RK	RK	RK	RK																							
22519	Ghorpade V. A.	VA		VA	VA	VA	VA	VA	VA	VA																							
22520	Jadhav V. S.	VS		VS	VS	VS	VS	VS	VS	VS																							
22521	Kadam A. M.	AM		AM	AM	AM	AM	AM	AM	AM																							
22522	Kondawale D. S.	DS		DS	DS	DS	DS	DS	DS	DS																							
22523	Mahamuni P. N.	PN		PN	PN	A	PN	PN	PN	PN																							
22524	Nikam A. R.	AR		AR	AR	AR	AR	AR	AR	AR																							
22525	Shedge A. N.	AN		AN	AN	A	AN	AN	AN	AN																							
22526	Waghmare S. K.	SK		SK	SK	SK	SK	SK	SK	SK																							
22527	Yadav M. D.	MD		M.D.Y	M.D.Y	M.D.Y	M.D.Y	M.D.Y	M.D.Y	M.D.Y																							

(Signature)

Head
Department of Zoology
D. P. Bhosale College Koregaon



Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

Certificate Course of "Vermicomposting"

Department of Zoology has conducted the one month certificate course of "Vermicompost". Now a days chemical fertilizers and pesticides are creating many problems such as decreasing fertility of soil and ultimately affecting on soil microfauna. To overcome these problems there is great need of vermicomposting. To solve the problem of salinity and infertility of soil up to certain extent, department of zoology has started the certificate course in vermicompost for of B.Sc. II and B. Sc. III students.

Department of zoology has established vermicompost unit in college campus. Two vermicompost beds having size 15X4X3. We have introduced the species of earthworm- *Esinia foetida*. The course includes study of earthworm species, production of vermicompost and vermiwash. The vermicompost beds were maintained properly by watering and other management. The objectives of this course are to provide the students to understand the detailed knowledge of vermicomposting, vermiwash, maintenance of beds, proper supply of organic matter etc. The vermicompost produced was used in college garden for healthy growth of plants.

This course was conducted during the 06th Dec. 2021 to 10th January 2022. During this period the lectures and practicals of were conducted by resource faculties.

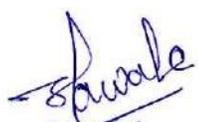


Mr. C. B. Jawale , Dr. Mrs. S. P. Nalawade, Dr. Miss. K.J. Kamble and Miss N. A. Shaikh conducted the practicals and theory periods.



Mr. C.B. Jawale explaining about vermicompost bed, filling of bed & about cocoons.

During this course the students get knowledge about the vermicompost. Students were sincerely attended and get hands on training of preparation of beds. In this course the every resource person inculcate the awareness about the vermicomposting, vermiwash, different species of earthworms, their role in increasing fertility of soil etc. Students getting the ideas and they will be involve in establishment of vermicompost beds in their native areas and also they aware the society for the use of vermicompost, vermiwash etc.


Head
Department of Zoology
D. P. Bhosale College Koregaon



Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

Department of Zoology

Short Term Course

Vermicomposting

8th January 2022



Practical demonstration by Mr. C.B. Jawale



Group photo with Coordinator





RAYAT SHIKSHAN SANSTHA'S

D. P. BHOSALE COLLEGE, KOREGAON

DIST-SATARA, MAHARASHTRA, INDIA-415501



Certificate/ Add-On/ Value added Certificate

2021-22

Certificate

This is to certify that, Mr./Ms./Miss.....
.....participated in the Certificate/ Add-On/ Value added Certificate on
“Certificate Course in Vermicomposting” Organized by Department of
Zoology, D. P. Bhosale College, Koregaon, Satara (Maharashtra).



Coordinator

Principal