

M. S. P. Mandal's
DEOGIRI COLLEGE, AURANGABAD



Soil Testing Program

Marathwada Shikshan Prasarak Mandal's
Deogiri College, Aurangabad

Soil Testing Program

Yearwise reports of **Soil Testing Program** conducted by **Department of Botany** of Deogiri College are attached:

Sr. No.	Particular
1	Soil Testing Program 2020-21
2	Soil Testing Program 2019-20
3	Soil Testing Program 2018-19
4	Soil Testing Program 2017-18
5	Soil Testing Program 2016-17



M.S.P. MANDAL'S
DEOGIRI COLLEGE, AURANGABAD
DEPARTMENT OF BOTANY

SOIL TESTING PROGRAM

2020-2021




**Principal
Deogiri College,
Aurangabad.**



DEPARTMENT OF BOTANY

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2020-2021

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Principal
Deogiri College,
Aurangabad.

M.S.P. Mandala's Deogiri College
Department of Botany
Skill Oriented Course
Training in Soil Testing
2020-2021

Title of the Course: Training in Soil Testing.

Background for the Course:

Department of botany Deogiri college conducts the training programmers for college students through the Training course in Soil Testing.

A majority of students does not possess marketable skills which is an obstacle in getting decent employment and improving their economic condition. A large number of college drop outs do not have access to skill development for improving their employability. Soil Health Management or soil testing of crop fields is one of the most important involvements under certificate course. Certificate course in Soil Testing/ Soil Health Management aims at promoting employability, awareness and establishment of soil testing labs in one of the components which are mainly located at district level. Therefore, village level soil testing projects will be established with the objective of employment generation for rural youth and to improve timelines in analysis of soil samples.

Brief information about the Department:

Department of Botany Besides the undergraduate and post graduate courses, the Department of Botany is the department undertaken many Research Projects completed and few UGC sanctioned projects ongoing. The Department is a recognized Research Center by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and is actively engaged in research work in Angiosperms, Taxonomy, Floristic, and Mycology. The college has taken initiatives towards social responsibility in reclamation of soil quality by starting Bio fertilizers and its production as self-financed course for the students from agricultural background. With this objectives department started training course for the students




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Aurangabad.

- To conducts the training programmers for college students.
- Employment generation for rural youth.
- To improve timeliness in analysis of soil samples.
- Collaboration with Government Agriculture Soil testing Department.
- Provide soil testing facilities to farmers at their door step.
- To create awareness about soil health and organic farming in the College Students
- **Brief description of Job roles:**
- Analyses soil samples of the farmer's fields and can provide balanced fertilizer dose for successful crop production to be taken by the farmers and run it profitably.
- Collect the uniform, representative soil samples from the farmer's fields.
- Convince the farmers for soil health improvement by advising the correct soil amendment of problematic soils.
- Suggest organic sources of plant nutrients based on soil testing results



Coordinator



HOD
NAME

P.G. Department of Botany
Deogiri College Aurangabad




Principal
Deogiri College,
Aurangabad.

**M.S.P. MANDALA'S DEOGIRI COLLEGE
DEPARTMENT OF BOTANY**

SOIL TESTING ACTIVITY 2020-2021:

Department of Botany has 80% students from rural area and 45% students are from farmer's family. To increase the awareness about soil health we started the soil analysis facility in the department. This activity runs with the collaboration of Government Agriculture soil testing institute. Samples were collected from student's native place and analysis were done free of cost. Farmers of Marathwada region facing drought or insufficient irregular rain fall from last few years. Because of this we all facing economic crisis. To minimize effect of drought on the crops one can concentrate on soil fertility.

Soil Testing is well recognized as a sound scientific tool to assess inherent power of soil to supply plant nutrients. The benefits of soil testing have been established through scientific research, extensive field demonstrations, and on the basis of actual fertilizer use by the farmers. Soil testing was initiated in the country in the beginning of planning era by setting up of 16 soil testing laboratories during 1955. Government of India has been supporting this programme during different plan periods to increase the soil analyzing capacity in the country. Planners and agriculturalists have recognized the utility of the service fully but it suffers due to inadequate scientific support in its execution.

To provide the soil testing laboratories with suitable technical literature on various aspects of soil testing, including testing methods and formulations of fertilizer recommendations etc.

Soil analysis is a valuable tool for farm as it determines the inputs required for efficient and economic production. A proper soil test will help ensure the application of enough fertilizer to meet the requirements of the crop while taking advantage of the nutrients already present in the soil. It will also allow determining lime requirements and can be used to diagnose problem areas. Soil testing is also a requirement for farms that must complete a nutrient management plan.

In this pandemic situation it is very difficult to conduct soil testing training for undergraduate students. Therefore, we are conducted online lectures, practicals and training programme for B.Sc. II year students of Botany, Deogiri College Aurangabad in regular online classroom. Total 70 students attending regular lectures. We are conducted 5 lectures and 3 practicals. Department also organized one guest lecturer. Departmental staff actively participated in every programme. Online lectures, tests and viva conducted by staff:



**M.S.P. MANDALA'S DEOGIRI COLLEGE
DEPARTMENT OF BOTANY**

Sr. No.	Name Of Students	Mobile No.
1	Kolate Parshuram Namdeo	762004069
2	Mane Arti Sanjay	7620253665
3	More Pratiksha Vilas	9045472973
4	Mane Sheha Niranjana	8010302343
5	Naik Ramrao Jairam	9322823318
6	Pawar Santosh Kisan	7020242728
7	Sonavane Tejas Vasant	7218141046
8	Ubale Vijayanti Anil	7262088190
9	More Rahul Suresh	9373728358
10	Aadhe Usha Tikram	8459874182
11	Mogal Nikita Radhakishan	9579801567
12	Kale Sharada Ashok	8698560156
13	Maske Vaishanavi Ramrao	7741991264
14	Sonavane Tejas Vasant	7218141046
15	Pawar Adity Ganesh	7370974058
16	Rathod Atul Subhash	7741005238
17	Rathod Vivek Mohan	9370421588
18	Sardar Komal Sukhadev	9146246038
19	Pawar Adity Ganesh	7370974058
20	More Sharada Madan	9172197545
21	Tadavi Yasamin Ayub	7020917697
22	Rangade Aditya Manohar	9623934298
23	Rajput Pallavi Santosh	9921794365
24	Phalake Arti Udhav	9359618095
25	Shete Darshan Balasaheb	9570508199




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Deogiri College,
Aurangabad.**

Online lectures and tests conducted by staff:

Sr.No	Name of Teacher	Date	Topic
1	Dr.S.K.Rajurkar	24/01/21	Introduction to soil, types of soil, soil porosity, moisture, water holding capacity.
2	S.K.Rajurkar	3/2/21	Soil testing, NPK, Management etc
3	S.K.Rajurkar	4/9/21	Gunti soil kit, Instruments---
4	Dr.A.S.Taware	8/2/21	Bio fertilizers and applications
5	Dr.A.S.Taware	30/07/21	Vermi composting and composting
6	Dr.B.D.Pandit	28/6/21	Application of soil testing
7	Dr.B.D.Pandit	29/6/21	Application of soil testing
8	Dr.S.T.Kayande	28/07/21	"Soil Testing- Need of Farmers"



Coordinator


HOD
HEAD

P.G. Department of Botany
Deogiri College Aurangabad

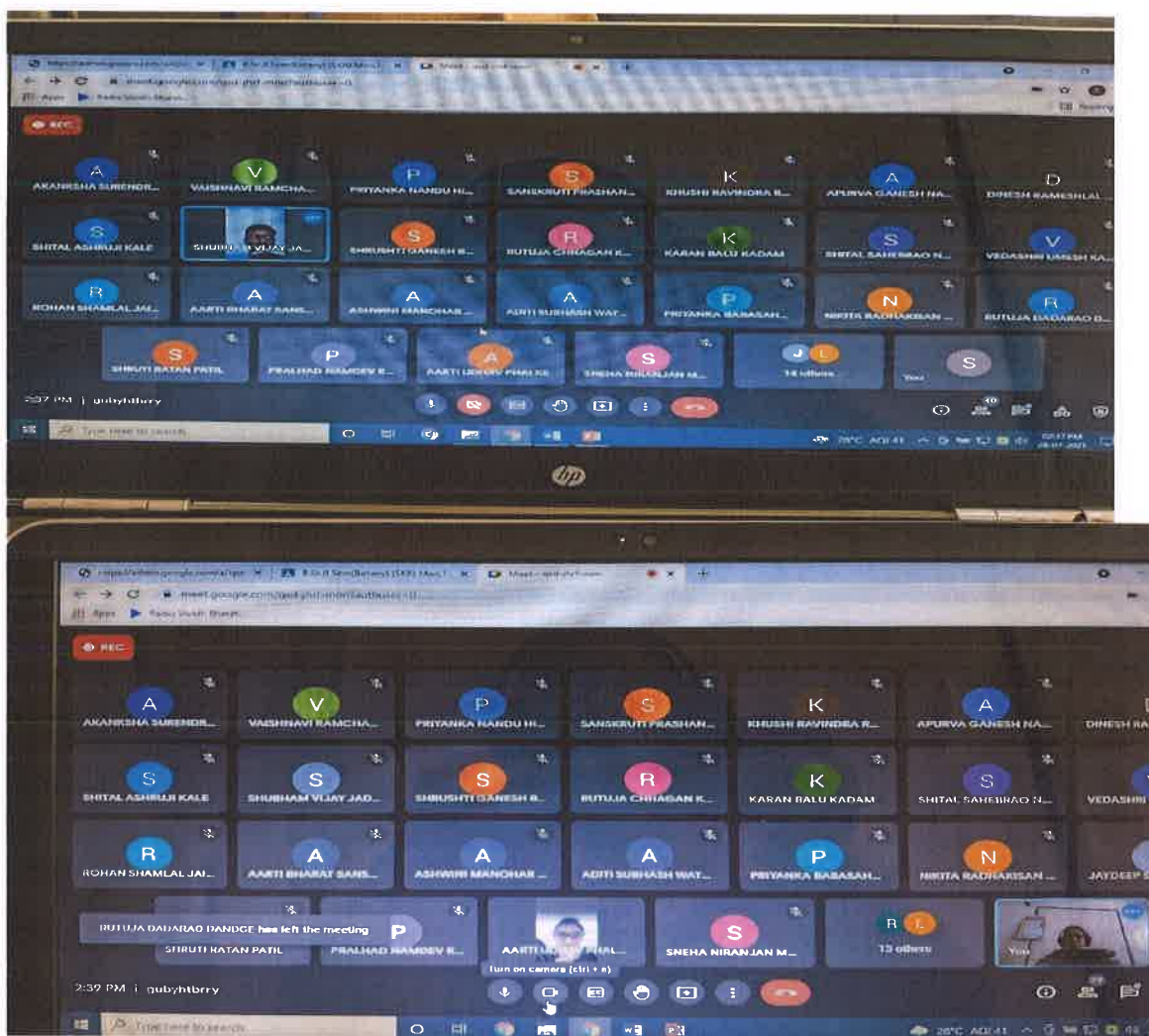


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Guest lecturer:20-21

Guest lecturer was held online by the Department of Botany on 28/07/2021. The session was held from 12:00pm to 2:00 pm. Guest Dr.S.T.Kayande (Coordinator Soil testing Dept.) was welcomed by Dr. S.K.Rajurkar. Introduction of guest was given by Dr.A.S.Taware. Head of the department Prof. R. P. Patil in his speech express his view regarding the training and requested to students to contribute for the benefit of farmers and society. Aims and Objectives of the meet were explained to the students and ensured to get help from the teachers. Total 40 students were attended this online meeting. For this event the Teaching and non-teaching faculty of botany department were present.

Guest lecturer



(Signature)
Principal
Deogiri College,
Aurangabad.

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ISO 9001 : 2008 Certified
College with Potential for Excellence



I/c. PRINCIPAL
Prof. Ashok Tejankar
M.Sc. Ph.D.

Marathwada Shikshan Prasarak Mandal's

DEOGIRI COLLEGE

Aurangabad - 431 005, Maharashtra, India

Estab. : 1960



Affiliated to : Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Centre No. : Senior & Junior - 101

Jr. Index No. : 56-01-201 | U-DISE No. : 27191109505

Phone : 0240-2367301 | 2367330 | Fax : 0240 - 2367301

Website : www.deogiricollege.org

E-mail : principal@deogiricollege.org | deogiri@mspmandal.in

DCA/2020-21/108

Date: 29/07/21

Letter of Gratitude

To,

Dr.S.T.Kayande

Warm greetings,

I express sincere thanks for your valuable online talk to our students of MSc and BSc Botany on the subject "Soil Testing- Need of Farmers" On Date 28/07/21.

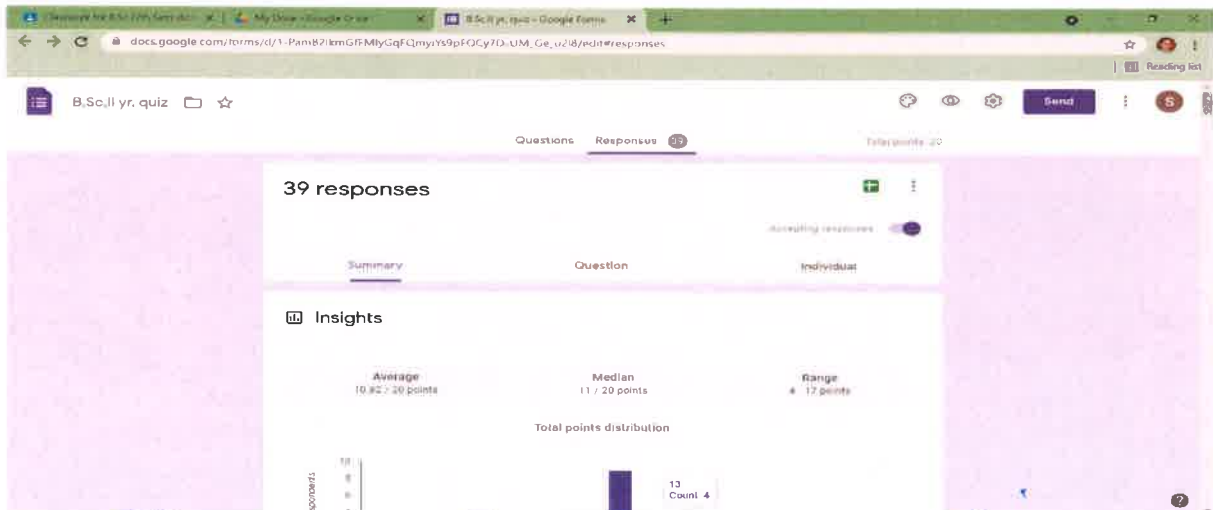
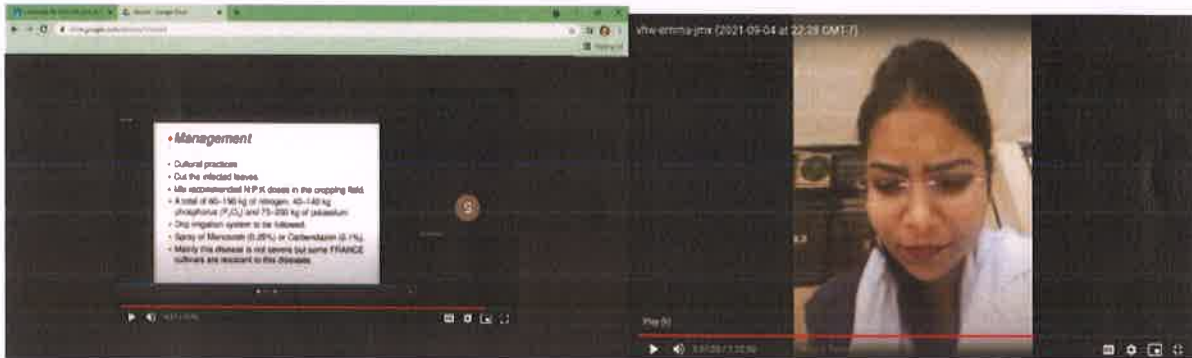
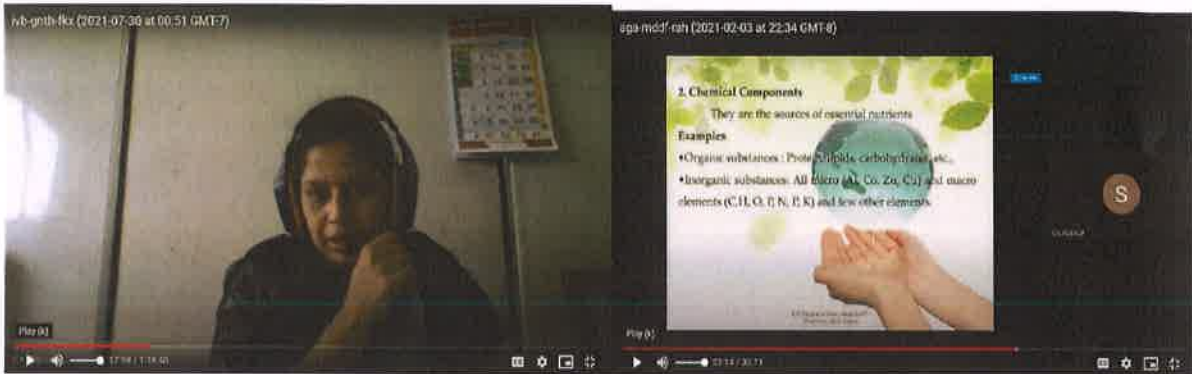
Your motivational talk will certainly be beneficial and will encourage our students in shaping their career. It gives me immense pleasure in issuing this letter of gratitude to you. I am hopeful you will be guiding our students in the future as well. This institute will be indebted for your contribution. Thanking you.

Principal



Principal
Deogiri College,
Aurangabad.

ONLINE LECTURES CONDUCTED BY STAFF



[Signature]
Principal
Deogiri College,
Aurangabad.



CERTIFICATE COURSE IN SOIL TESTING

**CONDUCTED BY
DEPARTMENT OF BOTANY DEOGIRICOLLEGE
AND GOVERNMENT AGRICULTURE DISTRICT SOIL TESTING
DEPARTMENT AURANGABAD.**

This is to certify that **MORE PRATIKSHA VILAS** of Deogiri College, Aurangabad successfully completed online training programme of soil testing during 2020-2021 and received 'A' Grade.



Dr. R. P. Patil
HEAD
P.G. Department of Botany
Deogiri College Aurangabad

Principal
Deogiri College,
Aurangabad.

Prof. Ashok Tejankar
Principal



M.S.P. MANDAL'S
DEOGIRI COLLEGE, AURANGABAD
DEPARTMENT OF BOTANY

SOIL TESTING PROGRAM

2019-2020




Principal
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Aurangabad.




DEPARTMENT OF BOTANY

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2019-2020

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M.S.P. Mandala's Deogiri College
Department of Botany
Extension Activity in Collaboration with Government of Maharashtra's District
Agricultural Soil Testing Department, Aurangabad.
Skill Oriented
Certificate course in Soil Testing.2019-20

Background for the Course: Department of botany Deogiri college conducts the training programmers for college students through the Certificate course in Soil Testing. A majority of students does not possess marketable skills which is an obstacle in getting decent employment and improving their economic condition. A large number of college drop outs do not have access to skill development for improving their employability. Soil Health Management or soil testing of crop fields is one of the most important involvements under certificate course.

Certificate course in Soil Testing/ Soil Health Management aims at promoting employability, awareness and establishment of soil testing labs in one of the components which are mainly located at district level. Therefore, village level soil testing projects will be established with the objective of employment generation for rural youth and to improve timelines in analysis of soil samples.

Brief information about the Department: Department of Botany is one of the oldest departments of this College, established in 1960. In Last few years, the department has achieved wide recognition in teaching undergraduate (Biodiversity Specialization) & post graduate (Biodiversity as Specialization) courses along with research and other activities. Besides the undergraduate and post graduate courses, the Department of Botany is the department undertaken many Research Projects completed and few UGC sanctioned projects ongoing. The Department is a recognized Research Center by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and is actively engaged in research work in Angiosperms, Taxonomy, Floristic, and Mycology. The college has taken initiatives towards social responsibility in reclamation of soil quality by starting Bio fertilizers and its production as self-financed course for the students from agricultural background. This Department is with well-equipped laboratory to facilitate student for research with different types of instruments.

Objectives of the course:

To conducts the training programmers for college students

Employment generation for rural youth.

To improve timeliness in analysis of soil samples.

Collaboration with Government Agriculture Soil testing Department.

Provide soil testing facilities to farmers at their door step.

To create awareness about soil health and organic farming in the College Students



Strategy: To achieve the above objectives, the following strategies will be adopted

Identification of beneficiary and Establishment of Soil Testing Projects.

To conducts the training programmers for college students with Government Agriculture Soil testing Department

The soil analysis process to be completed within one month of receipt of soil samples. Starting from March of the year to June month and October & November of the year.

Probable outcomes of the Course:

Students after certificate course can get employment.

Students can develop their one lab at district level.

Established their one consultancy (to improve soil quality)

Work as a technician in Soil testing lab.

Can work as a trainer in Agriculture department.

Commercialization of testing



Coordinator



HOD
HEAD

P.G. Department of Botany
Deogiri College Aurangabad


Principal
Deogiri College,
Aurangabad.

Department of Botany Deogiri College
Report 2019-20
Soil Testing Activity

Soil Testing Activity Report.2019-2020

The benefits of soil testing have been established through scientific research, extensive field demonstrations, and on the basis of actual fertilizer use by the farmers. Soil testing was initiated in the country in the beginning of planning era by setting up of 16 soil testing laboratories during 1955. Government of India has been supporting this programme during different plan periods to increase the soil analyzing capacity in the country. Planners and agriculturalists have recognized the utility of the service fully but it suffers due to inadequate scientific support in its execution.

To provide the soil testing laboratories with suitable technical literature on various aspects of soil testing, including testing methods and formulations of fertilizer recommendations etc. Farmers of Marathwada region facing drought or insufficient irregular rain fall from last few years. Because of this we all facing economic crisis. To minimize effect of drought on the crops one can concentrate on soil fertility.

Soil analysis is a valuable tool for farm as it determines the inputs required for efficient and economic production. A proper soil test will help ensure the application of enough fertilizer to meet the requirements of the crop while taking advantage of the nutrients already present in the soil. It will also allow determining lime requirements and can be used to diagnose problem areas. Soil testing is also a requirement for farms that must complete a nutrient management plan.

Soil Testing is well recognized as a sound scientific tool to assess inherent power of soil to supply plant nutrients. The benefits of soil testing have been established through scientific research, it provide the soil testing laboratories with suitable technical literature on various aspects of soil testing, including testing methods and formulations of fertilizer recommendations etc.


Department of Botany has 80% students from rural area and 45% students are from farmer's family. To increase the awareness about soil health we started the soil analysis facility in the department. This activity runs with the collaboration of Government Agriculture soil testing institute.

Samples were collected from student's native place and analysis were done free of cost.

List of student's completed soil testing training during academic year 19-20


Coordinator




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P.G. Department of Botany
Deogiri College Aurangabad


Principal
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Aurangabad.

M.S.P. Mandala's Deogiri College
Department of Botany
Year 2019-20

1	MayuriGunjal	9158183602
2	Sachin Mate	7620396041
3	RushikeshKadam	8766921317
4	Gopal Sable	9158043201
5	YashrajAkolkar	9370747018
6	Prasad Wagh	9011385114
7	Gaurav Dukare	8208779511
8	AkashMagar	7083133034
9	SwarajDeshmane	9595335546
10	YogeshRaut	7083982876
11	SatishBhujade	9158424775
12	Arjun Andhale	8888288384
13	SachinRupre	-----
14	OjasKilkarni	9096518865
15	KhushvantMalode	-----
16	AbhimanyuKatare	9325574229
17	Krishna Walurkar	9970600932
18	Ravi Gorathkar	9762001535
19	PriyaDagadkhair	8899628251
20	Nikita Waarkhade	7887678885
21	KajalAjmera	7083958897
22	ArtiKakarwal	7972651221
23	Samruddhi Patil	9561303651
24	Pratikshayerwal	9834537392
25	NutanWankhede	7857678885
26	ShivaniJadhav	7517150851
27	Saylikardile	9422996868
28	PriyankaBramhane	9975684266
29	Shankar Shinde	8805229182
30	Nikita Agale	7385434232
31	PinkiBoradkar	9960674381
32	PragatiDagadkhair	8999628251
33	VaishaliBolke	9767184354




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Dr. M. L. Jadhav
PRINCIPAL

Marathwada Shikshan Prasarak Mandal's

DEOGIRI COLLEGE

Aurangabad-431005, Maharashtra, India.



Affiliated to : Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
Centre No. : Senior - 003 Junior-101 Jr. Index No. : 56-01-001

Phone : 0240 -2367333, 2367330 | Fax : 0240 - 2367301 | Website : www.deogiricollege.org
E-mail : principal@deogiricollege.org | deogiri@mspmandal.in

Ref No

Date
9/05

To
The Director,
Agriculture Soil Survey and
Soil testing Department
Govt. of Maharashtra,

Sub: Request for soil testing data of Aurangabad District for research

Respected Sir,

Our area of research is plant pathology. For further conclusions we need to compare the physiochemical characters of soil with pathogens occurred. So we need the data of last two years about physiochemical characters of soil from Aurangabad district. So please provide the data for last two years. This will help us to conclude.

Thanking You

Thanking you

Date - 2018-19

2018-20

Handwritten signature

Principal
Principal,
Deogiri College,
Aurangabad.

Handwritten signature
R.P. Patil



Handwritten signature
Principal
Deogiri College,
Aurangabad.

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PRINCIPAL
Dr. Shivajirao N. Thore
Ph.D.

Marathwada Shikshan Prasarak Mandal's
DEOGIRI COLLEGE

Aurangabad - 431 005, Maharashtra, India

Estab. : 1960



Affiliated to : Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
Centre No. : Senior-003 Junior-101
Jr. Index No.: 56-01-001 U-DISE No. : 27191109505

Phone : 0240-2367333, 2367330 | Fax : 0240 - 2367301
Website : www.deogiricollege.org
E-mail : principal@deogiricollege.org | deogiri@mspmandal.in

DCA/2019-20/99

27/04/18

Linkage Document

The present document is being signed to establish linkage between this Institute and its Department of Botany with Govt of Maharashtra's District Soil Survey Soil Testing Office, Aurangabad, to carry out the skills and activities, training, association and collaboration. The following terms and specifications are being laid with mutual understanding.

General Terms:

- There is mutual cooperation and exchange of ideas and information related to the field of soil survey and testing between the institution and Govt of Maharashtra's District Soil Survey Soil Testing Office.
- Educational as well as professional knowledge is being exchanged.
- Interested students will be sending for training of soil testing in the Govt of Maharashtra's District Soil Survey Soil Testing Office.
- Trained students will help for various soil sample testing in Soil testing laboratory which will be beneficial for nearby farmers.
- There has been organization of student guidance by the soil testing officer in the institutions.

Specifications:

- Our District Soil Survey Soil Testing Office, Aurangabad has offered opportunities of training to the students of the Deogiri College for next three years.
- Students of Deogiri College will take active part in the soil testing process in the Govt of Maharashtra's District Soil Survey & Soil Testing office, Aurangabad.

It is in this way the present institute also reaffirms that the same cooperation will be extended in future between the two institutions. Hence this Linkage is established and certified between the above two Institutes.

Signature with date and seal

1. District Soil Survey & Soil Testing Officer.

2. Principal, Deogiri College, Aurangabad.

3. Head, Dept of Botany, Deogiri College, Aurangabad.

4. Incharge Faculty, Dept of Botany, Deogiri College, Aurangabad.



District Soil Survey & Soil Testing Office, Aurangabad



P.G. Department of Botany
Deogiri College, Aurangabad

31/04/18
27/04/18



Principal
Deogiri College,
Aurangabad.

Samples collection with students



Lecturer conducted for students on soil fertility





M.S.P. Mandal's
DEOGIRI COLLEGE
AURANGABAD.
(NAAC Re-Accredited 'A' Grade)



CAREER DEVELOPMENT PROGRAM

Certificate

This is to certify that

Name _____

has successfully completed

Short Term Certificate Course in

"SOIL TESTING PROGRAM"

during academic year 2019-20

conducted by Department of Botany,

Deogiri College, Aurangabad.


Course Co-ordinator


Principal





**DEPARTMENT OF AGRICULTURE DISTIC SOIL SURVEY AND SOIL TESTING
OFFICE, SHAHANOORMAIA DARGAN ROAD, AURANGABAD.**

To,
The Principal,
Deogiri College,
Aurangabad.

Subject: About soil testing training program

Respected sir,

As per our linkage latter dated 27/04/2018.

Total 33 students of UG and PG of year 2019- 2020 were trained and helps us to analyzed soil samples of farmers collected from different area of Aurangabad district.

Thank You.



District Soil Survey & Soil
Testing Officer, Aurangabad.

Government Agriculture

Soil testing office, Aurangabad

(Principal
Deogiri College,
Aurangabad.



M.S.P. MANDAL'S
DEOGIRI COLLEGE, AURANGABAD
DEPARTMENT OF BOTANY

SOIL TESTING PROGRAM

2018-2019




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Aurangabad.



DEPARTMENT OF BOTANY

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2018-2019

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Principal
Deogiri College,
Aurangabad.

**M.S.P. Mandal's
Deogiri College
Department of Botany**

Students for soil testing course 2018-19

Farmers of Marathwada region facing drought or insufficient irregular rain fall from last few years. Because of this we all facing economic crisis. To minimize effect of drought on the crops one can concentrate on soil fertility.

Soil analysis is a valuable tool for farm as it determines the inputs required for efficient and economic production. A proper soil test will help ensure the application of enough fertilizer to meet the requirements of the crop while taking advantage of the nutrients already present in the soil. It will also allow determining lime requirements and can be used to diagnose problem areas. Soil testing is also a requirement for farms that must complete a nutrient management plan.


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Samples were collected from student's native place and analysis were done free of cost.


Coordinator




NOD
HEAD
P.G. Department of Botany
Deogiri College Aurangabad


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Dr. M. J. Patil
PRINCIPAL

Marathwada Shikshan Prasarak Mandal's

DEOGIRI COLLEGE

Aurangabad - 431005, Maharashtra, India.



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Centre No. : Senior -003 Junior-101 Jr. Index No. : 56-01-001

0240-2367333, 2367330 | Fax : 0240 - 2367301 | Website www.deogiricollege.org
E-mail: principal@deogiricollege.org | deogiri@mshmandal.in

To
The Director,
Agriculture Soil Survey and
Soil testing Department
Govt. of Maharashtra,
Aurangabad

Sub: Request for soil testing data of Aurangabad District for research

Respected Sir,

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Thanking You

Principal,
Deogiri College,
Aurangabad.

Principal,
Deogiri College,
Aurangabad.



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- College with Potential for excellence



M.S.P. Mandal's
DEOGIRI COLLEGE

AURANGABAD - 431 005

NAAC Re-accredited 'A' Grade

Off No. : 2367333, 2367330, Fax No. : 2367301

Website : www.deogiricollege.org - mail : admin@deogiricollege.org

Dr. S. N. Thore

M. Sc. Ph.D

Principal

Ref.No. / DCA / 2017-2018 / 307

Date:- 7/7/2018

o/c

To,
The Officer
District Soil Survey,
Soil Testing Department,
Govt. Agri. Inst.
Aurangabad

Sub: Regarding training programme of soil testing.

Ref: Letter ON/DSSSTOABAD/TECH/65/16 on dated 20/02/2016.

Respected Sir,

With reference to above mentioned subject and discussion made by teaching faculty of Botany, Dr. S.K. Rajurkar, I am sending 12 students of B.Sc. IInd year for training programme of soil testing in your department. Please do the needful.

Thanking you



[Signature]
Principal
PRINCIPAL
Deogiri College,
Aurangabad.

[Signature]
Principal
Deogiri College,
Aurangabad.

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College with Potential for Excellence



PRINCIPAL
Dr. Shivajirao N. Thore
Ph.D.

Marathwada Shikshan Prasarak M.

DEOGIRI COLLEGE

Aurangabad - 431 005, Maharashtra, India

Estab. : 1960



Affiliated to : Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
Centre No. : Senior-003 Junior-101
Jr. Index No.: 56-01-001 U-DISE No. : 27191109505
Phone : 0240-2367333, 2367330 | Fax : 0240 - 2367301
Website : www.deogiricollege.org
E-mail : principal@deogiricollege.org | deogiri@mspmandal.in

DCA/2019-20/99

Date-27/04/2018

To,
District Soil Testing Officer,
Shahanoormiya Darga, Osmanpura,
Aurangabad.

Sir,

It gives me immense pleasure and very much interested in establishing the linkage between Department of Botany, Deogiri College and your office for the benefit of B.Sc and M.Sc students and nearby farmers. I look forward that you will accept our request so that the student will learn skills related soil testing for their future benefits. Documentation of linkage will be signed immediately between above said two parties after your acceptance.

Thanking you in anticipation,


HEAD
P.G. Department of Botany
Deogiri College Aurangabad

27/04/2018
29-4-19
Dist. Soil Survey and Soil Testing Officer
Aurangabad


Principal
Principal
Deogiri College
Aurangabad




Principal
Deogiri College,
Aurangabad.

NAAC Re-accredited 'A' Grade
ISO 9001 : 2008 Certified
College with Potential for Excellence



PRINCIPAL
Dr. Shivajirao N. Thore
Ph.D.

Marathwada Shikshan Prasarak Mandal's
DEOGIRI COLLEGE

Aurangabad - 431 005, Maharashtra, India

Estab. : 1960



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E-mail : principal@deogiricollege.org | deogiri@mspmandal.in

DCA/2019-20/199

27/04/18

Linkage Document

The present document is being signed to establish linkage between this Institute and its Department of Botany with Govt of Maharashtra's District Soil Survey Soil Testing Office, Aurangabad, to carry out the skills and activities, training, association and collaboration. The following terms and specifications are being laid with mutual understanding.

General Terms:

- There is mutual cooperation and exchange of ideas and information related to the field of soil survey and testing between the institution and Govt of Maharashtra's District Soil Survey Soil Testing Office.
- Educational as well as professional knowledge is being exchanged.
- Interested students will be sending for training of soil testing in the Govt of Maharashtra's District Soil Survey Soil Testing Office.
- Trained students will help for various soil sample testing in Soil testing laboratory which will be beneficial for nearby farmers.
- There has been organization of student guidance by the soil testing officer in the institutions.

Specifications:

- Our District Soil Survey Soil Testing Office, Aurangabad has offered opportunities of training to the students of the Deogiri College for next three years.
 - Students of Deogiri College will take active part in the soil testing process in the Govt of Maharashtra's District Soil Survey & Soil Testing office, Aurangabad.
- It is in this way the present institute also reaffirms that the same cooperation will be extended in future between the two institutions. Hence this Linkage is established and certified between the above two Institutes.

Signature with date and seal

1. District Soil Survey & Soil Testing Officer.

2. Principal, Deogiri College, Aurangabad.

3. Head, Dept of Botany, Deogiri College, Aurangabad.

4. Incharge Faculty, Dept of Botany, Deogiri College, Aurangabad.



District Soil Survey & Soil Testing Office, Aurangabad



HEAD

P.G. Department of Botany

Deogiri College, Aurangabad

31/10/19
5/05/19



(Principal
Deogiri College,
Aurangabad.


**M.S.P. Mandal's
Deogiri College
Department of Botany
Students for soil testing course 2018-19**

Sr. No.	Name Of Students	Mobile No.
1	MayuriGunjal	9158183602
2	RushikeshKadam	7620396041
3	Gopal Sable	8766921317
4	Yashrajakolkar	9158043201
5	Prasad Wagh	9370747018
6	Gaurav Dukare	9011385114
7	AkashMagar	8208779511
8	SwarajDeshmane	7083133034
9	Yogeshraut	9595335546
10	Satishbhujade	7083982876
12	Arjunandhale	9158424775
13	Sachinrupre	8888288384
14	Ojaskilkarni	9096518865
15	Khushvantmalode	---
16	Abhimanyukatare	9325574229
17	Krishna Walurlar	9970600932
18	Ravi Gorathkar	9762001535
19	Ms.AhireShivani Rajiv	9767676955
20	Mr. Bhakare Vishal Prabhakar	7249121524
21	Mr.Bele Ganesh Vithal	8855944506
22	Ms.BholeSakshi Vishanu	9309820572
23	Mr.GodakheVaibhavPravin	9637388540
24	Ms.ChavanSrustiDilip	8149248678
25	Ms.DivekarTejashini Santosh	7447240713


Coordinator




Principal
Deogiri College,
Aurangabad.


MOD
HEAD
P.G. Department of Botany
Deogiri College Aurangabad

To
The Director,
Agriculture Soil Survey and
Soil testing Department
Govt. of Maharashtra,
Aurangabad

Sub: Request for soil testing data of Aurangabad District for research

Respected Sir,

Our area of research is plant pathology. For further conclusions we need to compare the physiochemical characters of soil with pathogens occurred. So we need the data of last two years about physiochemical characters of soil from Aurangabad district. So please provide the data for last two years. This will help us to conclude.

Thanking You

Principal,
Deogiri College,
Aurangabad.

ok
D

Principal,
Deogiri College,
Aurangabad.



Principal,
Deogiri College,
Aurangabad.

NAAC Re-accredited 'A' Grade
ISO 9001 : 2008 Certified
College with Potential for Excellence



Marathwada Shikshan Prasarak Mandal's

DEOGIRI COLLEGE

Aurangabad - 431 005, Maharashtra, India

Estab. : 1960



PRINCIPAL

Dr. Shivajirao N. Thore
Ph.D.

Affiliated to : Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Centre No. : Senior-003 Junior-101

Jr. Index No. : 56-01-001 U-DISE No. : 27191109505

Phone : 0240-2367333, 2367330 | Fax : 0240 - 2367301

Website : www.deogiricollege.org

E-mail : principal@deogiricollege.org | deogiri@msprmandal.in

DCA/2019-20/99

Date-27/04/2018

To,
District Soil Testing Officer,
Shahanoormiya Darga, Osmanpura,
Aurangabad.

Sir,

It gives me immense pleasure and very much interested in establishing the linkage between Department of Botany, Deogiri College and your office for the benefit of B.Sc and M.Sc students and nearby farmers. I look forward that you will accept our request so that the student will learn skills related soil testing for their future benefits. Documentation of linkage will be signed immediately between above said two parties after your acceptance.

Thanking you in anticipation,

शिवजीराव ठोरे
29-4-18

Dist. Soil Survey and Soil Testing Officer
Aurangabad

Principal



Principal
Deogiri College,
Aurangabad.



M.S.P. Mandal's
DEOGIRI COLLEGE
AURANGABAD.
(NAAC Re-Accredited 'A' Grade)



CAREER DEVELOPMENT PROGRAM

Certificate

This is to certify that

Name _____

has successfully completed

Short Term Certificate Course in
"SOIL TESTING PROGRAM"

during academic year 2018-19

conducted by Department of Botany,
Deogiri College, Aurangabad.


Course Co-ordinator


Principal





**DEPARTMENT OF AGRICULTURE DISTRICT SOIL SURVEY AND SOIL
TESTING OFFICE, SHAHANOORMAIA DARGAN ROAD,
AURANGABAD.**

To,
The Principal,
Deogiri College,
Aurangabad.

Subject: About soil testing training program

Reference linkage letter dated 27/04/2018, DCA / 2019-20/99.

Respected sir,

As per our linkage letter dated 27/04/2018.

We trained 25 students of UG and PG during academic year 2018- 2019. After getting trained students helps us to analyzed soil samples of farmers collected from different area of Aurangabad district.

Thank You.



District Soil Survey & Soil
Testing Officer, Aurangabad.

Government Agriculture

Soil testing office, Aurangabad

Principal
Deogiri College,
Aurangabad.



M.S.P. MANDAL'S
DEOGIRI COLLEGE, AURANGABAD
DEPARTMENT OF BOTANY

SOIL TESTING PROGRAM

2017-2018




Principal
Deogiri College,
Aurangabad.



DEPARTMENT OF BOTANY

Index

2017-2018

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Principal
Deogiri College,
Aurangabad.

**M.S.P. Mandal's
Deogiri College, Aurangabad
Department of Botany**

Soil Testing Activity 2017-18:

Soil Testing is well recognized as a sound scientific tool to assess inherent power of soil to supply plant nutrients. The benefits of soil testing have been established through scientific research, extensive field demonstrations, and on the basis of actual fertilizer use by the farmers. Soil testing was initiated in the country in the beginning of planning era by setting up of 16 soil testing laboratories during 1955. Government of India has been supporting this program during different plan periods to increase the soil analyzing capacity in the country. Planners and agriculturalists have recognized the utility of the service fully but it suffers due to inadequate scientific support in its execution.

To provide the soil testing laboratories with suitable technical literature on various aspects of soil testing, including testing methods and formulations of fertilizer recommendations etc.,

Farmers of Marathwada region facing drought or insufficient irregular rain fall from last few years. Because of this we all facing economic crisis. To minimize effect of drought on the crops one can concentrate on soil fertility.

Soil analysis is a valuable tool for farm as it determines the inputs required for efficient and economic production. A proper soil test will help ensure the application of enough fertilizer to meet the requirements of the crop while taking advantage of the nutrients already present in the soil. It will also allow determining lime requirements and can be used to diagnose problem areas. Soil testing is also a requirement for farms that must complete a nutrient management plan.


Soil Testing is well recognized as a sound scientific tool to assess inherent power of soil to supply plant nutrients. The benefits of soil testing have been established through scientific research, it provide the soil testing laboratories with suitable technical literature on various aspects of soil testing, including testing methods and formulations of fertilizer recommendations etc.

Department of Botany has 80% students from rural area and 45% students are from farmer's family. To increase the awareness about soil health we started the soil analysis facility in the department. This activity runs with the collaboration of Government Agriculture soil testing institute.

Samples were collected from student's native place and analysis were done free of cost. Following students completed their soil testing training during academic year 2017-18


Co-coordinator




HOD
DEPARTMENT OF BOTANY
DEOGIRI COLLEGE
AURANGABAD
HEAD
P.G. Department of Botany
Deogiri College Aurangabad


Principal
Deogiri College,
Aurangabad,

NAAC Re-accredited 'A' Grade •
• ISO 9001 : 2003 Certified •
• Alleged with Potential for excellence •



Dr. M. L. Jadhav
PRINCIPAL

Marathwada Shikshan Prasarak Mandal's

DEOGIRI COLLEGE

Aurangabad - 431005, Maharashtra, India.



ISO Certified

Affiliated to : Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
Centre No. : Senior -003 Junior-101 Jr. Index No. : 56-01-001

Phone : 0240-2367333, 2367330 | Fax : 0240 - 2367301 | Website www.deogiricollege.org
E-mail: principal@deogiricollege.org | deogiri@mspmandal.in

Ref. No.

Date : 25/03/17.

To
The Director,
Agriculture Soil Survey and
Soil testing Department
Govt. of Maharashtra,
Aurangabad

Sub: Request for soil testing data of Aurangabad District for research

Respected Sir,

Our area of research is plant pathology. For further conclusions we need to compare the physicochemical characters of soil with pathogens occurred. So we need the data of last two years about physicochemical characters of soil from Aurangabad district. So please provide the data for last two years. This will help us to conclude.

Thanking You



Principal,
Deogiri College,
Aurangabad.


(Principal
Deogiri College,
Aurangabad.

Department Of Botany Deogiri College
List Of Students For Certificate Soil Testing Activity
B. Sc 2017-18

1	Thapanidhichitrabhadur	7058184504
2	Deshmukhbhargavi Santosh	9326253191
3	Dhagekartikpundalik	9970994589
4	Kale Pratik Satish	-----
5	Karandeakash Ashok	7720918133
6	Tayaderushikeshambadas	7066171537
7	Muthevarsha Prakash	8698362706
8	Ms.Jadhao Manisha Raju	7083262659
9	Ms.Lokhande Vaishali Taterao	9503134917
10	Ms Agale Nikita Bhagavan	-----
11	Mr.Bainade Mangesh Champalal	9075653631
12	Mr Gupta Shashikant Kamalprasad	9422293533
13	Mr.Gavate Mayur Santhosh	7066344114
14	Mr.Gore Shubham Sampat	7350326530
15	Ms.Kedare Monika Ashok	8806262897
16	Mr.Jadhav Mohit Gajanan	7721014490
17	Mr.Jadhav Vishal Vijay	8669068542
18	Mr.Ingale Bhausahab Prakash	8793894910
19	Mr.Kharat Nayan Sanjay	9552621652
20	Ms.Nagare Neha Kacharu	9421667093
M. Sc		
1	Mr.Danekiranjanardan	9665820682
2	Ms. Dawaresnehalaxman	8412913070
3	Ms. Gaikwadanupriyadntaneshwar	9404982767
4	Ms. Ingle Jyotiprabhat	9763565894


Co-coordinator




HOD
HEAD
P.G. Department of Botany
Deogiri College Aurangabad


Principal
Deogiri College,
Aurangabad.

TRAINING PROGRAMME AT GOVERNMENT AGRICULTURE DISTRICT SOIL TESTING DEPARTMENT AURANGABAD.



M.Sc. Botany Students





M.S.P. Mandal's
DEOGIRI COLLEGE
AURANGABAD.
(NAAC Re-Accredited 'A' Grade)



CAREER DEVELOPMENT PROGRAM

Certificate

This is to certify that

TAYADE RUSHIKASH AMBADAS

has successfully completed

Short Term Certificate Course in

"SOIL TESTING PROGRAM"

during academic year 2017-18

conducted by Department of Botany,

Deogiri College Aurangabad.

Course Co-ordinator

Principal



Principal
Deogiri College,
Aurangabad.



**DEPARTMENT OF AGRICULTURE DISTIC SOIL SURVEY AND SOIL TESTING
OFFICE, SHAHANOORMAIA DARGAN ROAD, AURANGABAD.**

To,

The Principal,

Deogiri College,

Aurangabad.

Subject: About soil testing training program

Respected sir,

As per your letter dated 25/03/2017 altogether 24 students of UG and PG (Academic Year 2017-2018) completed their training from Divisional Government Agriculture soil testing office, Dargan road Aurangabad.

Thank You.

District Soil Survey & Soil
Testing Officer, Aurangabad.

Soil testing office, Aurangabad.



Principal
Deogiri College,
Aurangabad.



M.S.P. Mandal's
Deogiri College, Aurangabad
Department of Botany
Report Soil Testing Year 2016-17

Department of Botany has 80% students from rural area and 45% students are from farmer's family. To increase the awareness about soil health we started the soil analysis facility in the department. This activity runs with the collaboration of Government Agriculture soil testing institute. Samples were collected from student's native place and analysis were done free of cost. Farmers of Marathwada region facing drought or insufficient irregular rain fall from last few years. Because of this we all facing economic crisis. To minimize effect of drought on the crops one can concentrate on soil fertility.

Soil analysis is a valuable tool for farm as it determines the inputs required for efficient and economic production. A proper soil test will help ensure the application of enough fertilizer to meet the requirements of the crop while taking advantage of the nutrients already present in the soil. It will also allow determining lime requirements and can be used to diagnose problem areas. Soil testing is also a requirement for farms that must complete a nutrient management plan. Total 67 students from UG and PG was benefited.

Following students completed their soil testing training during academic year 2016-17.

Coordinator



HOD
HEAD

P.G. Department of Botany
Deogiri College Aurangabad

Principal
Deogiri College,
Aurangabad.

Date: 02/07/2016

To
The Principal,
Deogiri College,
Aurangabad

**Sub: Permission for training programme of students in Soil testing Department,
Aurangabad**

Respected Sir,

With reference to above mentioned subject kindly grant the permission for training programme of B.Sc. II yr. Botany students in the Government Soil Testing Department, Shahanoormiya Dargha Road, Aurangabad. The training is scheduled from 13th July 2016, daily two hrs, for 15 days in their free time. That will be fruitful for their career development of students and also beneficial for Department of Botany.

It is further requested to issue the covering letter of Principal Deogiri College to the Director of Agriculture institute, Aurangabad in regard with training programme of the students.

Thanking You,



HOD
Department of Botany



**Principal
Deogiri College,
Aurangabad.**



• ISO 9001:2008 Certified
• College with Potential for excellence



M.S.P. Mandal's
DEOGIRI COLLEGE

AURANGABAD - 431 005

NAAC Re-accredited 'A' Grade

Off No. : 2367333, 2367330, Fax No. : 2367301

Website : www.deogiricollege.org- mail : admin@deogiricollege.org

Dr. S. N. Thore
M. Sc. Ph.D
Principal

Ref.No. / DCA / 2017-2018 / 307

Date: 02/07/2016

To
The Principal,
Deogiri College,
Aurangabad


**Sub: Permission for training programme of students in Soil testing Department,
Aurangabad**

Respected Sir,


With reference to above mentioned subject kindly grant the permission for training programme of B.Sc. II yr. Botany students in the Government Soil Testing Department, Shahanoormiya Dargha Road, Aurangabad. The training is scheduled from 13th July 2016, daily two hrs. for 15 days in their free time. That will be fruitful for their career development of students and also beneficial for Department of Botany.

It is further requested to issue the covering letter of Principal Deogiri College to the Director of Agriculture institute, Aurangabad in regard with training programme of the students.

Thanking You,


Principal
Deogiri College
Aurangabad




HOD
Department of Botany
HEAD
P.G. Department of Botany
Deogiri College Aurangabad


Principal
Deogiri College,
Aurangabad.

Date: 5/02/16

To
HOD
Department of Botany
Deogiri College,
Aurangabad

Sub: Permission to visit Soil testing Department, Aurangabad

Respected Sir,

With respect to above mentioned subject kindly grant approval to visit Soil Testing Department, Shahanoormiya Dargha Road, Aurangabad. Students of B.Sc. IInd year will be participating in this visit. The visit is on 6th Feb 2016 at 11 am for two hrs. This visit will be accompanied by Dr. Rajurkar S.K. and Dr. Taware A.S.

Thanking You



Your's faithfully

[Signature]
Dr. S. K. Rajurkar.

[Handwritten signature]
[Handwritten signature]

District Soil Survey & Soil
Testing Officer Aurangabad

[Handwritten signature]
(Principal
Deogiri College,
Aurangabad.


Department of Botany Deogiri College
List of Students for Certificate
Soil Testing Activity
Year 2016-17 Ist Batch

Sr. No.	Name of Students	Mobile No.
1	VibhaChawhan	8408879454
2	Ankita Suryawanshi	9420265002
3	PoojaGunde	9767373735
4	SejalPirale	8855933317
5	GovindKadam	9665623102
6	SachiinFopse	9823046323
7	Anita Gawai	7276017545
8	KanchanJadhav	9423861007
9	Swati Gapat	9623808679
10	Komal Dawkar	7276235901
11	Shubhashri Deshmukh	8857980768
12	Suryvanshi Shruti	9673599006
13	Rathod Archana	9637112872


Coordinator


Principal
Deogiri College,
Aurangabad.




HOD
HEAD
P.G. Department of Botany
Deogiri College Aurangabad

Department of Botany Deogiri College
List of Students for Certificate
Soil Testing Activity
Year 2016-17 Ist Batch
Year 2016-17 IInd Batch

14	KomalChavan	7721836409
15	SnehaMutekar	8623063668
16	ShraddhaPatil	9156520597
17	AnuradhaDevatwal	9028384822
18	PoojaAghav	8308564174
19	PrajaktaKalse	7276147294
20	PriyankaKhrdekar	9420778614
21	Rahul Botule	8087104916
22	Komalchavan	7721836409
23	Shubham Jangle	9623680258
24	AvinashPayghan	7775830010
25	Ganesh Kandje	8600868038


Coordinator


Principal
Deogiri College,
Aurangabad.




HOD
P.G. Department of Botany
Deogiri College Aurangabad

Training programme at Government district Soil Testing Programme:




(Principal
Deogiri College,
Aurangabad.