



K K Wagh College of Agriculture, Nashik

Department of Agronomy

2-Week Certificate Course 'Carbon Sequestration in Agriculture: Theoretical Perspectives'

Course Details

- **Duration:** 2 Weeks
- **Dates:** 19/12/2022 to 31/12/2022
- **Time:**
- **Morning Session:**
09:00 am to 10.00 am
- **Evening session:**
5:00 pm to 6.00 pm
- **Fee:** Free of cost
- **Certification:** Certificate of Completion



Topic Schedule

19/12/2022 to 21/12/2022

Topic: Introduction to Carbon Sequestration

22/12/2022 to 23/12/022

Topic: Carbon Sequestration in Agricultural Soils

Topic: Vegetative Carbon Sequestration Methods

25/12/2022

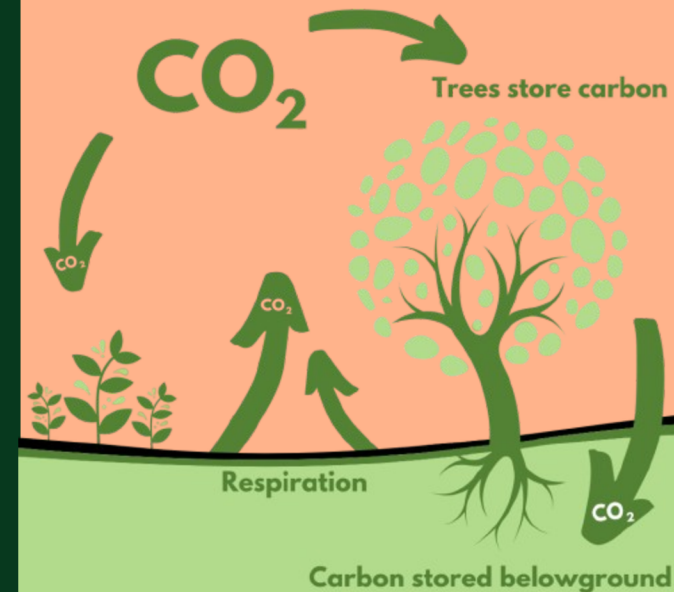
Topic: Carbon Sequestration in Maharashtra

26/12/2022 to 28/12/2022

Topic: Benefits and Challenges of Carbon Sequestration

29/12/2022 to 31/12/2022

Topic: Policy and Practice Recommendations



Registration Information

- **Registration Deadline:**
15/12/2022
- **Contact to:**
Ms S V Sonawane
Department of Agronomy
- **Mobile No.:** 9158591736
- **Email id :**
svsonawane@kkwagh.edu.in

We want to have a positive impact on the planet

Date: 07/12/2022

To,
The Principal
K. K. Wagh College of Agriculture,
Nashik

Subject Regarding permission for Certificate Course.....

Respected Sir,

On behalf of the Department of Agronomy, we humbly request permission to initiate Certificate course titled '**Carbon Sequestration in Agriculture: Theoretical Perspectives**'. This course is scheduled from 19/12/2022 to 31/12/2022 and will involve approximately 40 second year students. It is anticipated that this course will greatly benefit our students in enhancing their knowledge about application and importance of cover crops and green manures in agriculture. We kindly ask for your approval for the implementation of this course.

Thanking You,

Yours faithfully,



(Prof S V Sonawane)

Course Coordinator

Permission granted

7/12





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Certificate course in

'Carbon Sequestration in Agriculture: Theoretical Perspectives'

Academic Year 2022-23

Syllabus Committee

| Sr no | Name of teacher | Designation | Department | Role in course |
|-------|--------------------|---------------------|------------|--------------------|
| 1 | Prof. S V Sonawane | Assistant Professor | Agronomy | Course coordinator |
| 2 | Dr. P P Kahrche | Assistant Professor | Agronomy | Committee member |
| 3 | Prof S A Hulgunde | Assistant Professor | Agronomy | Committee member |


Course Coordinator


Principal
K.K.Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code:11135 AISHE Code: C-50690

(0253)2555221, 2555224 - principal-bscagri@kkwagh.edu.in https://agri-bsc.kkwagh.edu.in

Date: 08 / 12 /2022

Academic Year 2022-23

Department of Agronomy

Minutes of the Board of Studies Meeting for the Short-Term Certificate Course

A meeting of the Board of Studies for the Short-term Certificate Course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives' was convened on 8th December 2022, at 12:00 PM in the Department of Agronomy. The meeting was attended by the following Syllabus Design Committee members:

| Sr no | Name of the expert | Designation | Sign |
|-------|--------------------|--------------------|------|
| 1 | Dr. S. M. Hadole | Principal | |
| 2 | Prof. S V Sonawane | Course Coordinator | |
| 3 | Dr. P P Kharche | Committee member | |
| 4 | Prof S A Hulgunde | Committee member | |

Minutes of Meeting

The Board of Studies convened a meeting on 8th December 2022, at 12:00 PM in the Department of Agronomy to address various aspects concerning the Short-Term Certificate Course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives' The meeting focused on the following key points:

- 1. Syllabus Formation:** Members deliberated on developing a syllabus that emphasizes on relevant knowledge and application of carbon sequestration in agriculture.
- 2. Dissemination of Work:** Strategies for effectively teaching practices on carbon sequestration in agriculture were discussed to aid students in the course.
- 3. Encouragement of Students:** The meeting stressed the importance of offering guidance and motivation to students.
- 4. Examination of Short-Term Course:** The examination structure and assessment methods for the short-term course were reviewed. The board explored ways to ensure fair and comprehensive evaluations that accurately assess students'

The meeting concluded with a commitment to refine the course and its delivery methods to better meet the needs of students enrolled in the Certificate Course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'

Course coordinator



PRINCIPAL
K. K. Wagh College of Agriculture
Saraswati Nagar, Panchavati, Nashik



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Department of Agronomy
Certificate course in
'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

Syllabus Outcomes:

1. Comprehensive Understanding of Carbon Sequestration Principles
2. Insights into Soil Carbon Sequestration
3. Knowledge of Plant-Based Carbon Sequestration
4. Policy and Management Understanding
5. Critical Thinking and Communication Skills

| Sr no | Topic | Description | No of Lectures |
|-------|---|--|----------------|
| 1 | Introduction to Carbon Sequestration | <ul style="list-style-type: none">• Basic concepts of carbon sequestration• Carbon cycle and storage mechanisms• Importance in climate change mitigation | 06 hours |
| 2 | Carbon Sequestration in Soils | <ul style="list-style-type: none">• Soil carbon dynamics and storage• Factors affecting soil carbon sequestration• Soil types and their carbon storage potential | 03 hours |
| 3 | Carbon Sequestration in Plants | <ul style="list-style-type: none">• Role of vegetation in carbon sequestration• Agroforestry and carbon storage• Crop selection and management practices | 03 hours |
| 4 | Agricultural Practices for Carbon Sequestration | <ul style="list-style-type: none">• Conservation tillage and cover cropping• Agroforestry systems• Improved grazing practices and their impact on carbon storage | 06 hours |





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

| Sr. No. | Topic | Description | No of Lectures |
|--------------|---|--|-----------------|
| 5 | Benefits and Challenges of Carbon Sequestration | <ul style="list-style-type: none">• Benefits for soil health and productivity• Economic considerations and incentives• Potential challenges and limitations | 06 |
| 6 | Policy and Management Insights | <ul style="list-style-type: none">• Policies supporting carbon sequestration• Integrating carbon management into agricultural practices• Future prospects and developments | 06 |
| Total | | | 30 hours |


Course Coordinator


PRINCIPAL
K.K.Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 **AISHE Code: C-50690**

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Date: 09/ 12 /2022

Student Notice

All the students of B.Sc.(Hons.) Agriculture second year students are informed that for the academic year 2022-23 the Certificate Course on '**Carbon Sequestration in Agriculture: Theoretical Perspectives**' is starting from 19/12/ 2022 to 31/12/2022. For this certificate course students should submit their names to the Certificate Course Coordinator Assistant Prof. S V Sonawane up to 15/12/2022.

Duration: 30 Hrs.

Period |: 19/12/2022 to 31/12 /2022

Time:

Morning Session: 09:00 am to 10.00 am

Afternoon session: 5:00 pm to 6.00 pm

Note: This course is free of cost to all students.


S V Sonawane

Course Coordinator


PRINCIPAL
K.K.Wagh College of Agriculture
Sarasvatinar, Panchavati, Nashik





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Department of Agronomy
Certificate course in
'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23
Enrolled Student List

| SR NO | REGISTRATION NO | NAME OF STUDENT |
|-------|-----------------|-------------------------------|
| 1 | AKN-2021/011 | Chandankhede Prajwal Jiwandas |
| 2 | AKN-2021/014 | Chaudhari Siddhant Satish |
| 3 | AKN-2021/015 | Davange Pratham Pramod |
| 4 | AKN-2021/017 | Deore Jay Shashikant |
| 5 | AKN-2021/026 | Dhurve Parth Sheshrao |
| 6 | AKN-2021/029 | Gadekar Meghna Bhausahab |
| 7 | AKN-2021/030 | Gadekar Shraddhey Sunil |
| 8 | AKN-2021/031 | Gaikwad Diya Satish |
| 9 | AKN-2021/032 | Gangurde Ankita Shashikant |
| 10 | AKN-2021/041 | Gite Harshada Bhausahab |
| 11 | AKN-2021/062 | Koli Ishika Vijay |
| 12 | AKN-2021/065 | Ladkat Yash Gangaram |
| 13 | AKN-2021/070 | Mogare Dev Romesh |
| 14 | AKN-2021/071 | Morankar Aditi Avinash |
| 15 | AKN-2021/074 | Mutha Mitali Akshaykumar |
| 16 | AKN-2021/075 | Navsare Nandini Kishor |
| 17 | AKN-2021/084 | Patil Snehal Anilkumar |
| 18 | AKN-2021/085 | Patil Yash Sudhir |
| 19 | AKN-2021/088 | Pawar Sangharsh Vilas |
| 20 | AKN-2021/090 | Pawara Harshali Ramesh |





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code:11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 https://agri-bsc.kkwagh.edu.in

| SR NO | REGISTRATION NO | NAME OF STUDENT |
|-------|-----------------|------------------------------|
| 21 | AKN-2021/091 | Pokharkar Shravani Vishwas |
| 22 | AKN-2021/094 | Sadavarte Chinmay Nilesh |
| 23 | AKN-2021/097 | Satpute Priyanka Dnyaneshwar |
| 24 | AKN-2021/098 | Sawant Roshan Avinash |
| 25 | AKN-2021/099 | Shete Pratik Shivaji |
| 26 | AKN-2021/100 | Shewale Krutika Balasaheb |
| 27 | AKN-2021/101 | Shewale Yash Manohar |
| 28 | AKN-2021/106 | Suryawanshi Om Pravin |
| 29 | AKN-2021/107 | Tambe Vedant Sandeep |
| 30 | AKN-2021/108 | Tambere Abhijit Baburao |
| 31 | AKN-2021/109 | Thakare Prasad Vijay |
| 32 | AKN-2021/110 | Thakare Sakshi Sudesh |
| 33 | AKN-2021/111 | Vaidya Darshan Sanjay |
| 34 | AKN-2021/112 | Vichave Sushant Shantaram |
| 35 | AKN-2021/113 | Vidhate Shivani Mangesh |
| 36 | AKN-2021/116 | Wagh Chetan Shriram |
| 37 | AKN-2021/117 | Wagh Yash Manoj |
| 38 | AKN-2021/118 | Waghchaure Arati Sudam |
| 39 | AKN-2021/119 | Waghchaure Om Tulashiram |
| 40 | AKN-2021/120 | Yaduwanshi Shivani Nilesh |


Course Coordinator

Course Coordinator




PRINCIPAL
K.K.Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code:11135 AISHE Code: C-50690

☎:(0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 https://agri-bsc.kkwagh.edu.in

STUDENT REGISTRATION FORM

Academic Year: 2022-23

(Department of Agronomy)

CERTIFICATE COURSE

'Carbon Sequestration in Agriculture: Theoretical Perspectives'

For Department Use Only

Registration No.: AKN-2021/074.....

Student ID: 621021094

Name of the Student: Mutha Mitali Ashaykumar.....

Mother's Name: Manisha Ashaykumar Mutha.....

Father's Name: Ashaykumar Mutha..... Year: 1st / 2nd / 3rd / 4th

E-Mail ID: mitali.mutha@gmail.com.....

Address: vambori, tal - Rahuri, dist - Ahmednagar.....

State: Maharashtra..... PIN Code: 413704.....

Mobile No: 8010271020..... Alternate contact number:.....

Gender: Male Female Other Religion:

Date of Birth: 24/09/2003.....

Educational Qualification (at the time of admission):

HSC 95%..... Other

Mutha
Signature of Student

Place:

Date: 12/12/22



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

STUDENT REGISTRATION FORM

Academic Year: 2022-23
(Department of Agronomy)

CERTIFICATE COURSE

'Carbon Sequestration in Agriculture: Theoretical Perspectives'

For Department Use Only

Registration No.: AKN-2021/070

Student ID: 0621021064

Name of the Student: Mogare Dev Ramesh

Mother's Name: Sonal Mogare

Father's Name: Ramesh Mogare Year: 1st / 2nd / 3rd / 4th

E-Mail ID: dmogare007@gmail.com

Address: Mahatma Gandhi Road Nashik

State: Maharashtra PIN Code: 422001

Mobile No: 8459922108 Alternate contact number: -

Gender: Male Female Other Religion: HINDU

Date of Birth: 2/12/2003

Educational Qualification (at the time of admission):

HSC 87.83% Other -

Dev

Signature of Student

Place: Nashik

Date: 14/12/2022



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Department of Agronomy
Certificate course in
'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23
Schedule of the course

| Sr.no | Topic | Description | Name of the teacher | Department |
|-------|--|---|---------------------|------------|
| 1 | Introduction to Carbon Sequestration | Lecture Topics: <ul style="list-style-type: none">• Basics of the Carbon Cycle• Carbon Sequestration and its Role in Climate Change Mitigation• Overview of Carbon Sequestration Technologies• Importance of carbon sequestration in the context of global warming.• How agricultural practices can contribute to or detract from carbon sequestration. | Prof S V Sonawane | Agronomy |
| 2 | Carbon Sequestration in Agricultural Soils | Lecture Topics: <ul style="list-style-type: none">• Soil Organic Carbon (SOC) and Its Importance• Practices for Enhancing Soil Carbon Storage• Impact of Soil Management on Carbon Sequestration• How soil organic matter contributes to carbon sequestration.• The role of different soil management practices in enhancing SOC. | Dr. P P Kharche | Agronomy |
| 3 | Vegetative Carbon Sequestration Methods | Lecture Topics: <ul style="list-style-type: none">• Agroforestry and Afforestation Techniques• Use of Cover Crops and Green Manure• Conservation Tillage and Its Impact• How vegetative methods contribute to carbon | Prof S A Hulgunde | Agronomy |





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎ (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

| | | | | |
|---|---|---|-------------------|----------|
| | | sequestration. <ul style="list-style-type: none">• Comparison of different vegetative carbon sequestration practices. | | |
| 4 | Carbon Sequestration in Maharashtra | Lecture Topics: <ul style="list-style-type: none">• Local Soil and Climate Conditions in Maharashtra• Regional Practices and Case Studies• Government Policies and Support for Carbon Sequestration• Specific challenges and opportunities for carbon sequestration in Maharashtra.• Role of local policies and support in promoting carbon sequestration practices | Prof S A Hulgunde | Agronomy |
| 5 | Benefits and Challenges of Carbon Sequestration | Lecture Topics: <ul style="list-style-type: none">• Environmental Benefits of Carbon Sequestration• Economic and Social Benefits• Technical Challenges• Practical Challenges in Implementation | Prof S V Sonawane | Agronomy |
| 6 | Policy and Practice Recommendations | Lecture Topics: <ul style="list-style-type: none">• Formulating Policy Recommendations• Developing Best Practices for Local Implementation• Future Directions and Innovations• Course Wrap-Up and Review | Dr. P P Kharche | Agronomy |


Course Coordinator




PRINCIPAL
K. K. Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Department of Agronomy
Certificate course in
'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

Time Table

| Sr. No. | Date | Time | | Topic |
|---------|------------|-------------------|----------------------|---|
| 1 | 19/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | Introduction to Carbon Sequestration |
| | 20/12/2024 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | |
| | 21/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | |
| 2 | 22/12/2022 | 9:00 am-10.00 am | 05:00 pm 06:00 pm | Carbon Sequestration in Agricultural Soils |
| 3 | 23/12/2022 | 9:00 am-10.00 am | - | |
| | | - | 05:00 pm 06:00 pm | |
| 4 | 24/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | Vegetative Carbon Sequestration Methods |
| 5 | 25/12/2022 | 10:00 am-01:00 pm | 02:00 pm 05:00 pm | Carbon Sequestration in Maharashtra |
| 6 | 26/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | Benefits and Challenges of Carbon Sequestration |
| 7 | 27/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | |
| 8 | 28/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | |
| 9 | 29/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | Policy and Practice Recommendations |
| 10 | 30/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | |
| 11 | 31/12/2022 | 9:00 am-10.00 pm | 05:00 pm 06:00 pm | |


S. S. Kulkarni
Course Coordinator




PRINCIPAL
K. K. Wagh College of Agriculture
Saraswati Nagar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 19/12/2022 | | 20/12/2022 | | 21/12/2022 | | 22/12/2022 | | 23/12/2022 | |
|-------|------------------|-------------------------------|-----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| | | | 9:00 am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm |
| 1 | AKN-2021/011 | Chandankhede Prajwal Jiwandas | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal |
| 2 | AKN-2021/014 | Chaudhari Siddhant Satish | Su | Su | Su | Su | Su | Su | Su | Su | Su | Su |
| 3 | AKN-2021/015 | Davange Pratham Pramod | Pratham | Pratham | Pratham | Pratham | Pratham | Pratham | Pratham | Pratham | Pratham | Pratham |
| 4 | AKN-2021/017 | Deore Jay Shashikant | Deore | Deore | Deore | Deore | Deore | Deore | Deore | Deore | Deore | Deore |
| 5 | AKN-2021/026 | Dhurve Parth Sheshrao | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve |
| 6 | AKN-2021/029 | Gadekar Meghna Bhausaheb | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna |
| 7 | AKN-2021/030 | Gadekar Shraddhey Sunil | Sunil | Sunil | Sunil | Sunil | Sunil | Sunil | Sunil | Sunil | Sunil | Sunil |
| 8 | AKN-2021/031 | Gaikwad Diya Satish | Diya | Diya | Diya | Diya | Diya | Diya | Diya | Diya | Diya | Diya |
| 9 | AKN-2021/032 | Gangurde Ankita Shashikant | A.S. Gangurde | A.S. Gangurde | A.S. Gangurde | A.S. Gangurde | A.S. Gangurde | A.S. Gangurde | A.S. Gangurde | A.S. Gangurde | A.S. Gangurde | A.S. Gangurde |
| 10 | AKN-2021/041 | Gite Harshada Bhausaheb | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada |
| 11 | AKN-2021/062 | Koli Ishika Vijay | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika |
| 12 | AKN-2021/065 | Ladkat Yash Gangaram | Yash | Yash | Yash | Yash | Yash | Yash | Yash | Yash | Yash | Yash |
| 13 | AKN-2021/070 | Mogare Dev Romesh | Dev | Dev | Dev | Dev | Dev | Dev | Dev | Dev | Dev | Dev |


Course Coordinator




Principal
 K K Wagh College of Agriculture
 Sarabhanagar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 19/12/2022 | | 20/12/2022 | | 21/12/2022 | | 22/12/2022 | | 23/12/2022 | |
|-------|------------------|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | 9:00am-10:00am | 5:00pm - 6:0pm | 9:00am-10:00am | 5:00pm - 6:0pm | 9:00am-10:00am | 9:00 am-10:00am | 5:00pm - 6:0pm | 9:00am-10:00am | 5:00pm -6:0pm | 9:00am-10:00am |
| 14 | AKN-2021/071 | Morankar Aditi Avinash | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> |
| 15 | AKN-2021/074 | Mutha Mitali Akshaykumar | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> |
| 16 | AKN-2021/075 | Navsare Nandini Kishor | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> |
| 17 | AKN-2021/084 | Patil Snehal Anilkumar | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> |
| 18 | AKN-2021/085 | Patil Yash Sudhir | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> |
| 19 | AKN-2021/088 | Pawar Sangharsh Vilas | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> |
| 20 | AKN-2021/090 | Pawara Harshali Ramesh | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> |
| 21 | AKN-2021/091 | Pokharkar Shravani Vishwas | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> |
| 22 | AKN-2021/094 | Sadavarte Chinmay Nilesh | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> |
| 23 | AKN-2021/097 | Satpute Priyanka Dnyaneshwar | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> |
| 24 | AKN-2021/098 | Sawant Roshan Avinash | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> |
| 25 | AKN-2021/099 | Shete Pratik Shivaji | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> |


Course Coordinator




Principal
 K. K. Wagh College of Agriculture
 Saraswatinagar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
 Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
 Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 19/12/2022 | | 20/12/2022 | | 21/12/2022 | | 22/12/2022 | | 23/12/2022 | |
|-------|------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| | | | 9:00 am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm |
| 26 | AKN-2021/100 | Shewale Krutika Balasaheb | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> |
| 27 | AKN-2021/101 | Shewale Yash Manohar | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> |
| 28 | AKN-2021/106 | Suryawanshi Om Pravin | <i>Om Pravin</i> | <i>Om Pravin</i> | <i>Om Pravin</i> | <i>Om Pravin</i> | <i>Om Pravin</i> | <i>Om Pravin</i> | <i>Om Pravin</i> | <i>Om Pravin</i> | <i>Om Pravin</i> | <i>Om Pravin</i> |
| 29 | AKN-2021/107 | Tambe Vedant Sandeep | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> |
| 30 | AKN-2021/108 | Tambere Abhijit Baburao | <i>A.</i> | <i>A.</i> | <i>A.</i> | <i>A.</i> | <i>A.</i> | <i>A.</i> | <i>A.</i> | <i>A.</i> | <i>A.</i> | <i>A.</i> |
| 31 | AKN-2021/109 | Thakare Prasad Vijay | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> |
| 32 | AKN-2021/110 | Thakare Sakshi Sudesh | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> |
| 33 | AKN-2021/111 | Vaidya Darshan Sanjay | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> |
| 34 | AKN-2021/112 | Vichave Sushant Shantaram | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> |
| 35 | AKN-2021/113 | Vidhate Shivani Mangesh | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> |
| 36 | AKN-2021/116 | Wagh Chetan Shriram | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> |

Susomabhai
Course Coordinator



[Signature]
PRINCIPAL
 K. K. Wagh College of Agriculture
 Saraswatinagar, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
 Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
 Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 19/12/2022 | | 20/12/2022 | | 21/12/2022 | | 22/12/2022 | | 23/12/2022 | |
|-------|------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | | 9:00 am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm |
| 37 | AKN-2021/117 | Wagh Yash Manoj | <i>Yes</i> | <i>Yes</i> | <i>Yes</i> | <i>Yes</i> | <i>Yes</i> | <i>Yes</i> | <i>Yes</i> | <i>Yes</i> | <i>Yes</i> | <i>Yes</i> |
| 38 | AKN-2021/118 | Waghchaure Arati Sudam | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> |
| 39 | AKN-2021/119 | Waghchaure Om Tulashiram | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> |
| 40 | AKN-2021/120 | Yaduwanshi Shivani Nilesh | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> |


Course Coordinator




PRINCIPAL
 K. K. Wagh College of Agriculture
 Sai Baba Road, Chanchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 24/12/2022 | | 25/12/2022 | | 26/12/2022 | | 27/12/2022 | | 28/12/2022 | |
|-------|------------------|-------------------------------|-----------------|--------------|-----------------|---------------|----------------|--------------|----------------|--------------|----------------|--------------|
| | | | 9:00 am-10:00am | 5:00pm-6:0pm | 10:00am-01:00am | 2:00pm-5:00pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm | 9:00am-10:00am | 5:00pm-6:0pm |
| 1 | AKN-2021/011 | Chandankhede Prajwal Jiwandas | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal |
| 2 | AKN-2021/014 | Chaudhari Siddhant Satish | Sch | Sch | Sch | Sch | Sch | Sch | Sch | Sch | Sch | Sch |
| 3 | AKN-2021/015 | Davange Pratham Pramod | PLP.D | PLP.D | PLP.D | PLP.D | PLP.D | PLP.D | PLP.D | PLP.D | PLP.D | PLP.D |
| 4 | AKN-2021/017 | Deore Jay Shashikant | Deore | Deore | Deore | Deore | Deore | Deore | Deore | Deore | Deore | Deore |
| 5 | AKN-2021/026 | Dhurve Parth Sheshrao | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve |
| 6 | AKN-2021/029 | Gadekar Meghna Bhausahab | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna | Meghna |
| 7 | AKN-2021/030 | Gadekar Shraddhey Sunil | Shr | Shr | Shr | Shr | Shr | Shr | Shr | Shr | Shr | Shr |
| 8 | AKN-2021/031 | Gaikwad Diya Satish | Diya | Diya | Diya | Diya | Diya | Diya | Diya | Diya | Diya | Diya |
| 9 | AKN-2021/032 | Gangurde Ankita Shashikant | AS Gangurde | AS Gangurde | AS Gangurde | AS Gangurde | AS Gangurde | AS Gangurde | AS Gangurde | AS Gangurde | AS Gangurde | AS Gangurde |
| 10 | AKN-2021/041 | Gite Harshada Bhausahab | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada | Harshada |
| 11 | AKN-2021/062 | Koli Ishika Vijay | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika |
| 12 | AKN-2021/065 | Ladkat Yash Gangaram | Yash | Yash | Yash | Yash | Yash | Yash | Yash | Yash | Yash | Yash |
| 13 | AKN-2021/070 | Mogare Dev Romesh | Dev | Dev | Dev | Dev | Dev | Dev | Dev | Dev | Dev | Dev |


SV SONAWANE
Course Coordinator




Principal
K.K.Wagh College of Agriculture
Bafaswatinagar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 24/12/2022 | | 25/12/2022 | | 26/12/2022 | | 27/12/2022 | | 28/12/2022 | |
|-------|------------------|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | 9:00am-10:00am | 5:00pm - 6:0pm | 10:00am-01:00am | 2:00pm - 5:00pm | 9:00am-10:00am | 9:00 am-10:00am | 5:00pm - 6:0pm | 10:00am-01:00am | 2:00pm -5:00pm | 9:00am-10:00am |
| 14 | AKN-2021/071 | Morankar Aditi Avinash | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> |
| 15 | AKN-2021/074 | Mutha Mitali Akshaykumar | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> |
| 16 | AKN-2021/075 | Navsare Nandini Kishor | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> |
| 17 | AKN-2021/084 | Patil Snehal Anilkumar | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> |
| 18 | AKN-2021/085 | Patil Yash Sudhir | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> |
| 19 | AKN-2021/088 | Pawar Sangharsh Vilas | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> |
| 20 | AKN-2021/090 | Pawara Harshali Ramesh | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> | <u>Harshali</u> |
| 21 | AKN-2021/091 | Pokharkar Shravani Vishwas | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> |
| 22 | AKN-2021/094 | Sadavarte Chinmay Nilesh | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> |
| 23 | AKN-2021/097 | Satpute Priyanka Dnyaneshwar | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> |
| 24 | AKN-2021/098 | Sawant Roshan Avinash | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> |
| 25 | AKN-2021/099 | Shete Pratik Shivaji | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> |


Course Coordinator




PRINCIPAL
K. K. Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 24/12/2022 | | 25/12/2022 | | 26/12/2022 | | 27/12/2022 | | 28/12/2022 | |
|-------|------------------|---------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | | 9:00am-10:00am | 5:00pm-6:00pm | 10:00am-01:00am | 2:00pm-5:00pm | 9:00am-10:00am | 9:00am-10:00am | 5:00pm-6:00pm | 10:00am-01:00am | 2:00pm-5:00pm | 9:00am-10:00am |
| 26 | AKN-2021/100 | Shewale Krutika Balasaheb | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> |
| 27 | AKN-2021/101 | Shewale Yash Manohar | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> | <i>Shewale</i> |
| 28 | AKN-2021/106 | Suryawanshi Om Pravin | <i>Suryawanshi</i> | <i>Suryawanshi</i> | <i>Suryawanshi</i> | <i>Suryawanshi</i> | <i>Suryawanshi</i> | <i>Suryawanshi</i> | <i>Suryawanshi</i> | <i>Suryawanshi</i> | <i>Suryawanshi</i> | <i>Suryawanshi</i> |
| 29 | AKN-2021/107 | Tambe Vedant Sandeep | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> | <i>Tambe</i> |
| 30 | AKN-2021/108 | Tambere Abhijit Baburao | <i>(A)</i> | <i>(A)</i> | <i>(A)</i> | <i>(A)</i> | <i>(A)</i> | <i>(A)</i> | <i>(A)</i> | <i>(A)</i> | <i>(A)</i> | <i>(A)</i> |
| 31 | AKN-2021/109 | Thakare Prasad Vijay | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> |
| 32 | AKN-2021/110 | Thakare Sakshi Sudesh | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> | <i>Thakare</i> |
| 33 | AKN-2021/111 | Vaidya Darshan Sanjay | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> | <i>Vaidya</i> |
| 34 | AKN-2021/112 | Vichave Sushant Shantaram | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> | <i>Vichave</i> |
| 35 | AKN-2021/113 | Vidhate Shivani Mangesh | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> | <i>Vidhate</i> |
| 36 | AKN-2021/116 | Wagh Chetan Shiram | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> | <i>Wagh</i> |

S. V. Sarawade

Course Coordinator



S. V. Sarawade
PRINCIPAL
K. K. Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
 Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
 Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 24/12/2022 | | 25/12/2022 | | 26/12/2022 | | 27/12/2022 | | 28/12/2022 | |
|-------|------------------|---------------------------|----------------|----------------|-----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|
| | | | 9:00am-10:00am | 5:00pm-6:00pm | 10:00am-01:00am | 2:00pm-5:00pm | 9:00am-10:00am | 9:00am-10:00am | 5:00pm - 6:00pm | 10:00am-01:00am | 2:00pm - 5:00pm | 9:00am-10:00am |
| 37 | AKN-2021/117 | Wagh Yash Manoj | <i>Yash</i> | <i>Yash</i> | <i>Yash</i> | <i>Yash</i> | <i>Yash</i> | <i>Yash</i> | <i>Yash</i> | <i>Yash</i> | <i>Yash</i> | <i>Yash</i> |
| 38 | AKN-2021/118 | Waghchaure Arati Sudam | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> | <i>Arati</i> |
| 39 | AKN-2021/119 | Waghchaure Om Tulashiram | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> | <i>Om</i> |
| 40 | AKN-2021/120 | Yaduwanshi Shivani Nilesh | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> | <i>Shivani</i> |

S. V. ...

Course Coordinator



[Signature]

PRINCIPAL

K. K. Wagh College of Agriculture
 Saraswati Nagar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 29/12/2022 | | 30/12/2022 | | 31/12/2022 | |
|-------|------------------|-------------------------------|------------------|---------------|------------------|-----------------|-----------------|----------------|
| | | | 9:00 am- 10:00am | 5:00pm -6:0pm | 10:00am- 01:00am | 2:00pm - 5:00pm | 9:00am- 10:00am | 5:00pm - 6:0pm |
| 1 | AKN-2021/011 | Chandankhede Prajwal Jiwandas | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal |
| 2 | AKN-2021/014 | Chaudhari Siddhant Satish | Sch | Sch | Sch | Sch | Sch | Sch |
| 3 | AKN-2021/015 | Davange Pratham Pramod | P.P.P | PPP | PPP | PPP | PPP | PPP |
| 4 | AKN-2021/017 | Deore Jay Shashikant | Deore | Deore | Deore | Deore | Deore | Deore |
| 5 | AKN-2021/026 | Dhurve Parth Sheshrao | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve | Dhurve |
| 6 | AKN-2021/029 | Gadekar Meghna Bhausaheb | meghna | meghna | meghna | meghna | meghna | meghna |
| 7 | AKN-2021/030 | Gadekar Shraddhey Sunil | Sh | Sh | Sh | Sh | Sh | Sh |
| 8 | AKN-2021/031 | Gaikwad Diya Satish | Diya | Diya | Diya | Diya | Diya | Diya |
| 9 | AKN-2021/032 | Gangurde Ankita Shashikant | A.S.Gangurde | A.S.Gangurde | A.S.Gangurde | A.S.Gangurde | A.S.Gangurde | A.S.Gangurde |
| 10 | AKN-2021/041 | Gite Harshada Bhausaheb | Hgite | Hgite | Hgite | Hgite | Hgite | Hgite |
| 11 | AKN-2021/062 | Koli Ishika Vijay | Ishika | Ishika | Ishika | Ishika | Ishika | Ishika |
| 12 | AKN-2021/065 | Ladkat Yash Gangaram | Yash | Yash | Yash | Yash | Yash | Yash |
| 13 | AKN-2021/070 | Mogare Dev Romesh | Dev | Dev | Dev | Dev | Dev | Dev |


Course Coordinator




Principal
K.K.Wagh College of Agriculture

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 29/12/2022 | | 30/12/2022 | | 30/12/2022 | |
|-------|------------------|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | 9:00am-10:00am | 5:00pm -6:0pm | 10:00am-01:00am | 2:00pm - 5:00pm | 9:00am-10:00am | 9:00 am-10:00am |
| 14 | AKN-2021/071 | Morankar Aditi Avinash | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> | <u>Aditi</u> |
| 15 | AKN-2021/074 | Mutha Mitali Akshaykumar | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> | <u>Mutha</u> |
| 16 | AKN-2021/075 | Navsare Nandini Kishor | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> | <u>Navsare</u> |
| 17 | AKN-2021/084 | Patil Snehal Anilkumar | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> | <u>Patil</u> |
| 18 | AKN-2021/085 | Patil Yash Sudhir | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> | <u>Yash</u> |
| 19 | AKN-2021/088 | Pawar Sangharsh Vilas | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> | <u>Sangharsh</u> |
| 20 | AKN-2021/090 | Pawara Harshali Ramesh | <u>harshali</u> | <u>harshali</u> | <u>harshali</u> | <u>harshali</u> | <u>harshali</u> | <u>harshali</u> |
| 21 | AKN-2021/091 | Pokharkar Shravani Vishwas | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> | <u>Shravani</u> |
| 22 | AKN-2021/094 | Sadavarte Chinmay Nilesh | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> | <u>Chinmay</u> |
| 23 | AKN-2021/097 | Satpute Priyanka Dnyaneshwar | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> | <u>Priyanka</u> |
| 24 | AKN-2021/098 | Sawant Roshan Avinash | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> | <u>Roshan</u> |
| 25 | AKN-2021/099 | Shete Pratik Shivaji | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> | <u>Pratik</u> |


Course Coordinator




Principal
 K K Wagh College of Agriculture
 Sarasvatindgar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 29/12/2022 | | 30/12/2022 | | 31/12/2022 | |
|-------|------------------|---------------------------|----------------|-----------------|-----------------|-----------------|----------------|----------------|
| | | | 9:00am-10:00am | 5:00pm - 6:00pm | 10:00am-01:00am | 2:00pm - 5:00pm | 9:00am-10:00am | 9:00am-10:00am |
| 26 | AKN-2021/100 | Shewale Krutika Balasaheb | | | | | | |
| 27 | AKN-2021/101 | Shewale Yash Manohar | | | | | | |
| 28 | AKN-2021/106 | Suryawanshi Om Pravin | | | | | | |
| 29 | AKN-2021/107 | Tambe Vedant Sandeep | | | | | | |
| 30 | AKN-2021/108 | Tambere Abhijit Baburao | | | | | | |
| 31 | AKN-2021/109 | Thakare Prasad Vijay | | | | | | |
| 32 | AKN-2021/110 | Thakare Sakshi Sudesh | | | | | | |
| 33 | AKN-2021/111 | Vaidya Darshan Sanjay | | | | | | |
| 34 | AKN-2021/112 | Vichave Sushant Shantaram | | | | | | |
| 35 | AKN-2021/113 | Vidhate Shivani Mangesh | | | | | | |
| 36 | AKN-2021/116 | Wagh Chetan Shriram | | | | | | |

Course Coordinator



Principal
K K Wagh College of Agriculture
Safal, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
 Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'
 Academic Year 2022-23

| Sr No | Registration no. | Name of Students | 29/12/2022 | | 30/12/2022 | | 31/12/2022 | |
|-------|------------------|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | 9:00am-10:00am | 5:00pm - 6:0pm | 10:00am-01:00am | 2:00pm - 5:00pm | 9:00am-10:00am | 9:00am-10:00am |
| 37 | AKN-2021/117 | Wagh Yash Manoj | | | | | | |
| 38 | AKN-2021/118 | Waghchaure Arati Sudam | Arati | Arati | Arati | Arati | Arati | Arati |
| 39 | AKN-2021/119 | Waghchaure Om Tulashiram | | | | | | |
| 40 | AKN-2021/120 | Yaduwanshi Shivani Nilesh | | | | | | |

Course Coordinator



PRINCIPAL
 K. K. Wagh College of Agriculture
 Sarasvatinar, Nashik



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎ : (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Certificate course in
'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

Examination Methodology

| Sr no | Nature of exam | Marks |
|-------|----------------|-----------|
| 1 | Written | 50 |
| 2 | Total | 50 |

Reference:

IPCC Report on Carbon Sequestration (IPCC)
Introduction to Carbon Sequestration (Nature)
Chapter 3, "**Soil Carbon Sequestration and the Greenhouse Effect**" by R. Lal
Soil Carbon Sequestration Methods (ScienceDirect)
Chapter 5, "**Agroforestry and Carbon Sequestration**" by M. S. Sanchez and J. M. T. Melillo
Agroforestry Practices (FAO)
Regional Carbon Sequestration Strategies (ResearchGate)
Maharashtra State Agricultural Policies (Maharashtra State Government)
Challenges in Carbon Sequestration (Nature)
Monitoring and Verification (CABI)
Global Carbon Sequestration Projects (WRI)
Case Studies in Maharashtra (Academia)
Policy Recommendations for Carbon Sequestration (GEF)
Future of Carbon Sequestration in Agriculture (ScienceDirect)


Course Coordinator

Course Coordinator




PRINCIPAL
K.K.Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Department of Agronomy

Certificate course in
'Carbon Sequestration in Agriculture: Theoretical Perspectives'
Academic Year 2022-23

Student Result

| Sr. No. | Registration no | Name of the students | Mark Out of 50 |
|---------|-----------------|-------------------------------|----------------|
| 1 | AKN-2021/011 | Chandankhede Prajwal Jiwandas | 45 |
| 2 | AKN-2021/014 | Chaudhari Siddhant Satish | 41 |
| 3 | AKN-2021/015 | Davange Pratham Pramod | 36 |
| 4 | AKN-2021/017 | Deore Jay Shashikant | 41 |
| 5 | AKN-2021/026 | Dhurve Parth Sheshrao | 45 |
| 6 | AKN-2021/029 | Gadekar Meghna Bhausahab | 45 |
| 7 | AKN-2021/030 | Gadekar Shraddhey Sunil | 46 |
| 8 | AKN-2021/031 | Gaikwad Diya Satish | 36 |
| 9 | AKN-2021/032 | Gangurde Ankita Shashikant | 43 |
| 10 | AKN-2021/041 | Gite Harshada Bhausahab | 40 |
| 11 | AKN-2021/062 | Koli Ishika Vijay | 46 |
| 12 | AKN-2021/065 | Ladkat Yash Gangaram | 40 |
| 13 | AKN-2021/070 | Mogare Dev Romesh | 38 |
| 14 | AKN-2021/071 | Morankar Aditi Avinash | 46 |
| 15 | AKN-2021/074 | Mutha Mitali Akshaykumar | 46 |
| 16 | AKN-2021/075 | Navsare Nandini Kishor | 35 |
| 17 | AKN-2021/084 | Patil Snehal Anilkumar | 42 |
| 18 | AKN-2021/085 | Patil Yash Sudhir | 42 |
| 19 | AKN-2021/088 | Pawar Sangharsh Vilas | 35 |
| 20 | AKN-2021/090 | Pawara Harshali Ramesh | 38 |





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

| Sr. No. | Registration no | Name of the students | Mark Out of 50 |
|---------|-----------------|------------------------------|----------------|
| 21 | AKN-2021/091 | Pokharkar Shravani Vishwas | 46 |
| 22 | AKN-2021/094 | Sadavarte Chinmay Nilesh | 39 |
| 23 | AKN-2021/097 | Satpute Priyanka Dnyaneshwar | 40 |
| 24 | AKN-2021/098 | Sawant Roshan Avinash | 43 |
| 25 | AKN-2021/099 | Shete Pratik Shivaji | 46 |
| 26 | AKN-2021/100 | Shewale Krutika Balasaheb | 39 |
| 27 | AKN-2021/101 | Shewale Yash Manohar | 44 |
| 28 | AKN-2021/106 | Suryawanshi Om Pravin | 46 |
| 29 | AKN-2021/107 | Tambe Vedant Sandeep | 45 |
| 30 | AKN-2021/108 | Tambere Abhijit Baburao | 43 |
| 31 | AKN-2021/109 | Thakare Prasad Vijay | 44 |
| 32 | AKN-2021/110 | Thakare Sakshi Sudesh | 36 |
| 33 | AKN-2021/111 | Vaidya Darshan Sanjay | 44 |
| 34 | AKN-2021/112 | Vichave Sushant Shantaram | 38 |
| 35 | AKN-2021/113 | Vidhate Shivani Mangesh | 31 |
| 36 | AKN-2021/116 | Wagh Chetan Shriram | 46 |
| 37 | AKN-2021/117 | Wagh Yash Manoj | 43 |
| 38 | AKN-2021/118 | Waghchaure Arati Sudam | 44 |
| 39 | AKN-2021/119 | Waghchaure Om Tulashiram | 47 |
| 40 | AKN-2021/120 | Yaduwanshi Shivani Nilesh | 42 |


S. V. S. Wagh

Course Coordinator




Principal
K. K. Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik

K K Wagh College of Agriculture, Nashik
Department of Agronomy
 Certificate course in 'Carbon sequestration in Agriculture: Theoretical Perspectives'
 Academic Year -2022-2023

Theory examination

| | | | |
|------------------------|--|-------------------------|--|
| Name of student | | Registration no. | |
| Day & Date | | Time | |
| Subject | | Semester | |
| Class | | Marks | |

Multiple Choice Questions

| | | | |
|--|--------------------------------------|---|------------------------------|
| 1. What is the primary goal of carbon sequestration in agriculture | | | |
| a. To increase crop yields | b. To reduce soil erosion | c. To mitigate climate change | d. To improve water quality |
| 2. Which of the following practises is most effective for carbon sequestration in agriculture | | | |
| a. Conventional tillage | b. To mitigate climate change | c. Crop rotation | d. Monoculture |
| 3. What is the role of cover crops in carbon sequestration | | | |
| a. To increase the soil temperature | b. To reduce soil moisture | c. To protect and enrich soil | d. To reduce crop yield |
| 4. Which of the following is a benefit of carbon sequestration in agriculture | | | |
| a. Increase greenhouse gas emission | b. Improve soil health and fertility | c. Reduced yield | d. Increased water pollution |
| 5. Which of the following is a type of carbon sequestration in agriculture | | | |
| a. Afforestation | b. Soil carbon sequestration | c. Biochar | d. All of the above |
| 6. Which is the primary benefit of conservation tillage for carbon sequestration | | | |
| a. Increased crop yield | b. Reduced soil erosion | c. Reduced soil disturbance | d. Improve water quality |
| 7. Which of the following crops is commonly used for cover cropping in carbon sequestration | | | |
| a. Corn | b. Soybeans | c. Wheat | d. Legumes |
| 8. Which of the role of organic amendments in carbon sequestration | | | |
| a To increase soil temperature | b. To reduce soil moisture | c. To improve soil health and fertility | d. To reduce crop yield |
| 9 Which of the following is a challenge for carbon sequestration in agriculture | | | |
| a. High cost of implementation | b. Lack of knowledge and training | c. Limited market incentive | d. All the above |
| 10. What percentage of global greenhouse gas emission can be mitigated through carbon sequestration in agriculture | | | |
| a. 10-20% | b.20-30% | c.30-40% | d.40-50% |

| | | | |
|---|--------------------------------|--|--|
| 11. What is the role of soil microorganism in carbon sequestration | | | |
| a. They release carbon dioxide | b. They absorb carbon dioxide | c. They convert carbon dioxide into organic compound | d. They have no role in carbon sequestration |
| 12. What is the role of government policies in promoting carbon sequestration in agriculture | | | |
| a. To provide financial incentive | b. To establish regulations | c. To conduct research and development | d. All the above |
| 13. What is the primary mechanism of carbon sequestration in soils | | | |
| a. Chemical reactions | b. Biological processes | c. Physical changes | d. All the above |
| 14. Which of the following crops has the highest potential for carbon sequestration | | | |
| a. Corn | b. Soybean | c. Wheat | d. Switch grass |
| 15. What is the effect of conservation tillage on soil carbon sequestration | | | |
| a. Increase soil disturbance | b. Reduces soil organic matter | c. Increase soil carbon storage | d. No impact |
| 16. What is the role of soil organism in carbon sequestration | | | |
| a. Decompose organic matter | b. Fix atmospheric nitrogen | c. Solubilise minerals | d. All the above |
| 17. What is the term for the process of storing carbon in soils and plants | | | |
| a. Carbon sequestration | b. Carbon capture | c. Carbon storage | d. Carbon utilization |
| 18. Which of the following practices can help sequester carbon in soils | | | |
| a. Conventional tillage | b. Conservation tillage | c. Crop rotation | d. All the above |
| 19. Which of the following is a type of organic amendment that can help sequester carbon in soils | | | |
| a. Compost | b. Manure | c. Peat moss | d. All of the above |
| 20. What is the term for the process of converting biomass into a stable form of carbon | | | |
| a. Pyrolysis | b. Gasification | c. Anaerobic digestion | d. Fermentation |

| | | | |
|---|---|---|--------------------------------|
| 21. Which of the following crops has a high carbon-to-nitrogen ratio, making it suitable for carbon sequestration | | | |
| a. Corn | b. Soybean | c. Wheat | d. Alfalfa |
| 22. Which of the following soil properties is most important for carbon sequestration | | | |
| a. pH | b. Texture | c. Organic matter content | d. Nutrient availability |
| 23. Which of the following soils type has highest potential for carbon sequestration | | | |
| a. Sandy soils | b. Clay soils | c. Loamy soils | d. Peat soils |
| 24. Which of the following factor that affects carbon sequestration in soils | | | |
| a. Soil texture | b. Soil temperature | c. Soil moisture | d. All the above |
| 25. What is the role of policy and incentives in promoting carbon sequestration in agricultural soils | | | |
| a. Encourages adoption of conservation practices | b. Provides financial benefits to farmers | c. Increases awareness of carbon sequestration benefits | d. All the above |
| 26. What is the potential of carbon sequestration in agricultural soils to mitigate climate change | | | |
| a. Low | b. Moderate | c. High | d. Unknown |
| 27. Which of the following practices can help promote soil carbon sequestration in wetlands | | | |
| a. Hydrological management | b. Vegetation management | c. Fertilizer application | d. All of the above |
| 28. What is the role of soil microorganisms in carbon sequestration in wetland | | | |
| A Decompose organic matter | b. Fix atmospheric nitrogen | c. Solubilising Minerals | d. Enhance soil carbon storage |
| 29. Which of the following is a benefit of carbon sequestration in agricultural soils for biodiversity | | | |
| a Increases species richness | b. Decreases soil carbon storage | c. No impact on soil carbon storage | d. All the above |
| 30. Which of the following practices can help reduce soil disturbance and promote carbon sequestration | | | |
| a. No-till or reduced- till farming | b. Crop rotation | c. Cover cropping | d. All the above |

| | | | |
|--|--|---|---------------------|
| 31. Which of the following practices can help promote soil carbon sequestration in forests | | | |
| a. Reforestation | b. Afforestation | c. Sustainable forest management | d. All the above |
| 32. What is the following is a benefit of carbon sequestration in agricultural soils for water quality | | | |
| a. Reduces nutrient leaching | b. Increases nutrient leaching | c. No impact on soil nutrient leaching | d. All the above |
| 33. What is the impact of soil salinization on soil carbon sequestration | | | |
| a. Increases soil carbon storage | b. Decrease soil carbon storage | c. No impact on soil carbon storage | d. All of the above |
| 34. Which of the following crops has a highest potential for carbon sequestration due to high biomass production | | | |
| a. Corn | b. Soybean | c. Wheat | d. Miscanthus |
| 35. Which of the following practices can help promote soil carbon sequestration in agricultural landscape | | | |
| a. Agroforestry | b. Permaculture | c. Regenerative agriculture | d. All the above |
| 36. What is the role of soil carbon sequestration in mitigating climate change | | | |
| a. Reduce atmospheric CO ₂ | b. Increases atmospheric CO ₂ | c. No impact on atmospheric CO ₂ | d. All the above |
| 37. What is the role of carbon sequestration in reducing greenhouse gas emissions from agriculture | | | |
| a. Reduces N ₂ O emission | b. Reduces CH ₄ emission | c. Reduces CO ₂ emission | d. All the above |
| 38. Which of the following crops has a high potential for carbon sequestration due to high root depth | | | |
| a. Corn | b. Soybean | c. Wheat | d. Sugarcane |
| 39. What is the role of perennials in carbon sequestration | | | |
| a. Increase soil carbon storage | b. Decrease soil carbon storage | c No impact on soil carbon storage | d. All the above |
| 40. What is the role of biofertilizers in carbon sequestration | | | |
| a. Increase soil carbon storage | b. Decrease soil carbon storage | c No impact on soil carbon storage | d. All the above |

| | | | |
|--|------------------------------------|---|---------------------|
| 41. Which of the following is a benefit of carbon sequestration in agricultural soils for ecosystems services | | | |
| a Increases pollination | b Decreases pollination | c No impact on pollination | d All the above |
| 42. Which of the following practices can help promote soil carbon sequestration in agroforestry | | | |
| a Tree planting | b Crop diversification | c Soil conservation | d All the above |
| 43. What is the role of carbon sequestration in climate-smart agriculture | | | |
| a Increase crop resilience | b Decrease crop yields | c No impact on crop yield | d All of the above |
| 44. Which of the following is a benefit of carbon sequestration in agricultural soils for farmers livelihoods | | | |
| a. Increased crop yield | b. Improve soil health | c. Enhanced market access | d. All of the above |
| 45. What is the role of carbon sequestration in mitigating climate change impacts on agricultural productivity | | | |
| a. Reduces drought risk | b. Increases flood risk | c. No impact on agricultural productivity | d. All of the above |
| 46. What is the impact of soil carbon sequestration on soil water holding capacity | | | |
| a. Increase water holding capacity | b. decrease water holding capacity | c. no impact on water holding capacity | d. All the above |
| 47. Which of the following practices can help promote soil carbon sequestration in precision agriculture | | | |
| a. Variable rate application | b. Precision irrigation | C. Soil sensing | d. All of the above |
| 48. Which of the following soil types has the highest carbon sequestration potential | | | |
| a. Clay | b. Silt | c. Sand | d. Loam |
| 49. What is the term for the process of converting carbon dioxide into organic compounds in soil | | | |
| a. Carbonation | b. Carbon sequestration | c. Soil carbonization | d. Humification |
| 50. Which of the following soil microorganisms plays a key role in carbon sequestration | | | |
| a. Bacteria | b. Fungi | c. Protozoa | d. Nematodes |

K K Wagh College of Agriculture, Nashik
Department of Agronomy
 Certificate course in 'Carbon sequestration in Agriculture: Theoretical Perspectives'
 Academic Year 2022-23

Answer Sheet

| | | | |
|----|---|----|---|
| 1 | c. To mitigate climate change | 26 | c. High |
| 2 | b. To mitigate climate change | 27 | d. All of the above |
| 3 | c. To protect and enrich soil | 28 | d. Enhance soil carbon storage |
| 4 | b. Improve soil health and fertility | 29 | b. Decreases soil carbon storage |
| 5 | d. All of the above | 30 | d. All the above |
| 6 | c. Reduced soil disturbance | 31 | d. All the above |
| 7 | d. Legumes | 32 | a. Reduces nutrient leaching |
| 8 | c. To improve soil health and fertility | 33 | b. Decrease soil carbon storage |
| 9 | d. All the above | 34 | d. Miscanthus |
| 10 | b.20-30% | 35 | d. All the above |
| 11 | c. They convert carbon dioxide into organic compound | 36 | a. Reduce atmospheric CO2 |
| 12 | d. All the above | 37 | d. All the above |
| 13 | b. Biological processes | 38 | d. Sugarcane |
| 14 | d. Switch grass | 39 | a. Increase soil carbon storage |
| 15 | c. Increase soil carbon storage | 40 | a. Increase soil carbon storage |
| 16 | a. Decompose organic mater | 41 | a. Increases pollination |
| 17 | a. Carbon sequestration | 42 | d. All the above |
| 18 | d. All the above | 43 | a. Increase crop resilience |
| 19 | d. All of the above | 44 | d. All of the above |
| 20 | a. Pyrolysis | 45 | a. Reduces drought risk |
| 21 | d. Alfalfa | 46 | a. Increase water holding capacity |
| 22 | c. Organic matter content | 47 | d. All of the above |
| 23 | d. Peat soils | 48 | a. Clay |
| 24 | d. All the above | 49 | d. Humification |
| 25 | d. All the above | 50 | b. Fungi |



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎..(0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Department of Agronomy

Certificate course in
'Carbon Sequestration in Agriculture: Theoretical Perspectives'

Academic Year 2022-23

Exam Time Table

All enrolled students of the Certificate Course are hereby informed that for the academic year 2022-23, the Certificate Course on 'Carbon Sequestration in Agriculture: Theoretical Perspectives' has been completed. The examination for this certificate course is scheduled to be conducted on 03/01/2023. Therefore, all students are required to be present without exception.

Note: Time Table is as follow

| Sr no | Date | Time | Certificate course subject |
|-------|------------|-------------------|--|
| 1 | 03/01/2023 | 01:00 to 03:00 pm | Theory exam: 'Carbon Sequestration in Agriculture: Theoretical Perspectives' |


Course Coordinator


Exam Incharge


PRINCIPAL
K. K. Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎..(0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 https://agri-bsc.kkwagh.edu.in

Department of Agronomy
Certificate course in 'Carbon Sequestration in Agriculture: Theoretical Perspectives'

Academic Year 2022-23
Exam Block Report

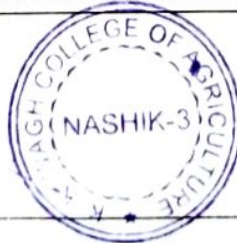
Class- S Y BSc (Agri.)

Date- 03/01/2023

Subject: Theory Paper of Carbon Sequestration in Agriculture: Theoretical Perspectives

Block no: 02

| SR NO | REGISTRATION NO | NAME OF STUDENT | SIGN |
|-------|-----------------|------------------------------|----------------------|
| 1 | AKN-2021/011 | Chandankhede Prajwal Jiandas | <i>Prajwal</i> |
| 2 | AKN-2021/014 | Chaudhari Siddhant Satish | <i>Siddhant</i> |
| 3 | AKN-2021/015 | Davange Pratham Pramod | <i>Pratham</i> |
| 4 | AKN-2021/017 | Deore Jay Shashikant | <i>Jay</i> |
| 5 | AKN-2021/026 | Dhurve Parth Sheshrao | <i>Parth</i> |
| 6 | AKN-2021/029 | Gadekar Meghna Bhausaheb | <i>Meghna</i> |
| 7 | AKN-2021/030 | Gadekar Shraddhey Sunil | <i>Sunil</i> |
| 8 | AKN-2021/031 | Gaikwad Diya Satish | <i>Diya</i> |
| 9 | AKN-2021/032 | Gangurde Ankita Shashikant | <i>A.S. Gangurde</i> |
| 10 | AKN-2021/041 | Gite Harshada Bhausaheb | <i>Harshada</i> |
| 11 | AKN-2021/062 | Koli Ishika Vijay | <i>Ishika</i> |
| 12 | AKN-2021/065 | Ladkat Yash Gangaram | <i>Yash</i> |
| 13 | AKN-2021/070 | Mogare Dev Romesh | <i>Dev</i> |
| 14 | AKN-2021/071 | Morankar Aditi Avinash | <i>Aditi</i> |
| 15 | AKN-2021/074 | Mutha Mitali Akshaykumar | <i>Mitali</i> |
| 16 | AKN-2021/075 | Navsare Nandini Kishor | <i>Nandini</i> |
| 17 | AKN-2021/084 | Patil Snehal Anilkumar | <i>Snehal</i> |
| 18 | AKN-2021/085 | Patil Yash Sudhir | <i>Yash</i> |
| 19 | AKN-2021/088 | Pawar Sangharsh Vilas | <i>Sangharsh</i> |
| 20 | AKN-2021/090 | Pawara Harshali Ramesh | <i>Harshali</i> |





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎ : (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 https://agri-bsc.kkwagh.edu.in

| SR NO | REGISTRATION NO | NAME OF STUDENT | SIGN |
|-------|-----------------|------------------------------|------|
| 21 | AKN-2021/091 | Pokharkar Shravani Vishwas | |
| 22 | AKN-2021/094 | Sadavarte Chinmay Nilesh | |
| 23 | AKN-2021/097 | Satpute Priyanka Dnyaneshwar | |
| 24 | AKN-2021/098 | Sawant Roshan Avinash | |
| 25 | AKN-2021/099 | Shete Pratik Shivaji | |
| 26 | AKN-2021/100 | Shewale Krutika Balasaheb | |
| 27 | AKN-2021/101 | Shewale Yash Manohar | |
| 28 | AKN-2021/106 | Suryawanshi Om Pravin | |
| 29 | AKN-2021/107 | Tambe Vedant Sandeep | |
| 30 | AKN-2021/108 | Tambere Abhijit Baburao | |
| 31 | AKN-2021/109 | Thakare Prasad Vijay | |
| 32 | AKN-2021/110 | Thakare Sakshi Sudesh | |
| 33 | AKN-2021/111 | Vaidya Darshan Sanjay | |
| 34 | AKN-2021/112 | Vichave Sushant Shantaram | |
| 35 | AKN-2021/113 | Vidhate Shivani Mangesh | |
| 36 | AKN-2021/116 | Wagh Chetan Shriram | |
| 37 | AKN-2021/117 | Wagh Yash Manoj | |
| 38 | AKN-2021/118 | Waghchaure Arati Sudam | |
| 39 | AKN-2021/119 | Waghchaure Om Tulashiram | |
| 40 | AKN-2021/120 | Yaduwanshi Shivani Nilesh | |

Total no of student: 40
No of student present: 40
No of students absent: 00

Name and Sign of Jr. Supervisor

(C. R. Patil)

Name and Sign of Sr. Supervisor

(C. S. D. Kale)



44

50

K K Wagh College of Agriculture, Nashik
Department of Agronomy
Certificate course in 'Carbon sequestration in Agriculture: Theoretical Perspectives'
Academic Year -2022-2023

Theory examination

| | | | |
|-----------------|----------------------|------------------|-------------------|
| Name of student | Thakare Prasad Vijay | Registration no. | AKN - 2021/109 |
| Day & Date | 03/01/2023 | Time | 1:00 to 3:00 PM |
| Subject | Agronomy | Semester | III |
| Class | sy BSc | Marks | 44 ----- 50 |

Multiple Choice Questions

| | | | |
|--|--------------------------------------|---|------------------------------|
| 1. What is the primary goal of carbon sequestration in agriculture | | | |
| a. To increase crop yields | b. To reduce soil erosion | c. To mitigate climate change | d. To improve water quality |
| 2. Which of the following practises is most effective for carbon sequestration in agriculture | | | |
| a. Conventional tillage | b. To mitigate climate change | c. Crop rotation | d. Monoculture |
| 3. What is the role of cover crops in carbon sequestration | | | |
| a. To increase the soil temperature | b. To reduce soil moisture | c. To protect and enrich soil | d. To reduce crop yield |
| 4. Which of the following is a benefit of carbon sequestration in agriculture | | | |
| a. Increase greenhouse gas emission | b. Improve soil health and fertility | c. Reduced yield | d. Increased water pollution |
| 5. Which of the following is a type of carbon sequestration in agriculture | | | |
| a. Afforestation | b. Soil carbon sequestration | c. Biochar | d. All of the above |
| 6. Which is the primary benefit of conservation tillage for carbon sequestration | | | |
| a. Increased crop yield | b. Reduced soil erosion | c. Reduced soil disturbance | d. Improve water quality |
| 7. Which of the following crops is commonly used for cover cropping in carbon sequestration | | | |
| a. Corn | b. Soybeans | c. Wheat | d. Legumes |
| 8. Which of the role of organic amendments in carbon sequestration | | | |
| a. To increase soil temperature | b. To reduce soil moisture | c. To improve soil health and fertility | d. To reduce crop yield |
| 9. Which of the following is a challenge for carbon sequestration in agriculture | | | |
| a. High cost of implementation | b. Lack of knowledge and training | c. Limited market incentive | d. All the above |
| 10. What percentage of global greenhouse gas emission can be mitigated through carbon sequestration in agriculture | | | |
| a. 10-20% | b. 20-30% | c. 30-40% | d. 40-50% |

| | | | |
|---|--------------------------------|--|--|
| 11. What is the role of soil microorganism in carbon sequestration | | | |
| a. They release carbon dioxide | b. They absorb carbon dioxide | c. They convert carbon dioxide into organic compound | d. They have no role in carbon sequestration |
| 12. What is the role of government policies in promoting carbon sequestration in agriculture | | | |
| a. To provide financial incentive | b. To establish regulations | c. To conduct research and development | d. All the above |
| 13. What is the primary mechanism of carbon sequestration in soils | | | |
| a. Chemical reactions | b. Biological processes | c. Physical changes | d. All the above |
| 14. Which of the following crops has the highest potential for carbon sequestration | | | |
| a. Corn | b. Soybean | c. Wheat | d. Switch grass |
| 15. What is the effect of conservation tillage on soil carbon sequestration | | | |
| a. Increase soil disturbance | b. Reduces soil organic matter | c. Increase soil carbon storage | d. No impact |
| 16. What is the role of soil organism in carbon sequestration | | | |
| a. Decompose organic matter | b. Fix atmospheric nitrogen | c. Solubilise minerals | d. All the above |
| 17. What is the term for the process of storing carbon in soils and plants | | | |
| a. Carbon sequestration | b. Carbon capture | c. Carbon storage | d. Carbon utilization |
| 18. Which of the following practices can help sequester carbon in soils | | | |
| a. Conventional tillage | b. Conservation tillage | c. Crop rotation | d. All the above |
| 19. Which of the following is a type of organic amendment that can help sequester carbon in soils | | | |
| a. Compost | b. Manure | c. Peat moss | d. All of the above |
| 20. What is the term for the process of converting biomass into a stable form of carbon | | | |
| a. Pyrolysis | b. Gastification | c. Anaerobic digestion | d. Fermentation |

| | | | |
|---|---|---|--------------------------------|
| 21. Which of the following crops has a high carbon-to-nitrogen ratio, making it suitable for carbon sequestration | | | |
| a. Corn | b. Soybean | c. Wheat | d. Alfalfa |
| 22. Which of the following soil properties is most important for carbon sequestration | | | |
| a. pH | b. Texture | c. Organic matter content | d. Nutrient availability |
| 23. Which of the following soils type has highest potential for carbon sequestration | | | |
| a. Sandy soils | b. Clay soils | c. Loamy soils | d. Peat soils |
| 24. Which of the following factor that affects carbon sequestration in soils | | | |
| a. Soil texture | b. Soil temperature | c. Soil moisture | d. All the above |
| 25. What is the role of policy and incentives in promoting carbon sequestration in agricultural soils | | | |
| a. Encourages adoption of conservation practices | b. Provides financial benefits to farmers | c. Increases awareness of carbon sequestration benefits | d. All the above |
| 26. What is the potential of carbon sequestration in agricultural soils to mitigate climate change | | | |
| a. Low | b. Moderate | c. High | d. Unknown |
| 27. Which of the following practices can help promote soil carbon sequestration in wetlands | | | |
| a. Hydrological management | b. Vegetation management | c. Fertilizer application | d. All of the above |
| 28. What is the role of soil microorganisms in carbon sequestration in wetland | | | |
| a. Decompose organic matter | b. Fix atmospheric nitrogen | c. Solubilising Minerals | d. Enhance soil carbon storage |
| 29. Which of the following is a benefit of carbon sequestration in agricultural soils for biodiversity | | | |
| a. Increases species richness | b. Decreases soil carbon storage | c. No impact on soil carbon storage | d. All the above |
| 30. Which of the following practices can help reduce soil disturbance and promote carbon sequestration | | | |
| a. No-till or reduced-till farming | b. Crop rotation | c. Cover cropping | d. All the above |

| | | | |
|--|--|---|---------------------|
| 31. Which of the following practices can help promote soil carbon sequestration in forests | | | |
| a. Reforestation | b. Afforestation | c. Sustainable forest management | d. All the above |
| 32. What is the following is a benefit of carbon sequestration in agricultural soils for water quality | | | |
| a. Reduces nutrient leaching | b. Increases nutrient leaching | c. No impact on soil nutrient leaching | d. All the above |
| 33. What is the impact of soil salinization on soil carbon sequestration | | | |
| a. Increases soil carbon storage | b. Decrease soil carbon storage | c. No impact on soil carbon storage | d. All of the above |
| 34. Which of the following crops has a highest potential for carbon sequestration due to high biomass production | | | |
| a. Corn | b. Soybean | c. Wheat | d. Miscanthus |
| 35. Which of the following practices can help promote soil carbon sequestration in agricultural landscape | | | |
| a. Agroforestry | b. Permaculture | c. Regenerative agriculture | d. All the above |
| 36. What is the role of soil carbon sequestration in mitigating climate change | | | |
| a. Reduce atmospheric CO ₂ | b. Increases atmospheric CO ₂ | c. No impact on atmospheric CO ₂ | d. All the above |
| 37. What is the role of carbon sequestration in reducing greenhouse gas emissions from agriculture | | | |
| a. Reduces N ₂ O emission | b. Reduces CH ₄ emission | c. Reduces CO ₂ emission | d. All the above |
| 38. Which of the following crops has a high potential for carbon sequestration due to high root depth | | | |
| a. Corn | b. Soybean | c. Wheat | d. Sugarcane |
| 39. What is the role of perennials in carbon sequestration | | | |
| a. Increase soil carbon storage | b. Decrease soil carbon storage | c. No impact on soil carbon storage | d. All the above |
| 40. What is the role of biofertilizers in carbon sequestration | | | |
| a. Increase soil carbon storage | b. Decrease soil carbon storage | c. No impact on soil carbon storage | d. All the above |

41. Which of the following is a benefit of carbon sequestration in agricultural soils for ecosystems services

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> a Increases pollination | <input type="checkbox"/> b Decreases pollination | <input type="checkbox"/> c No impact on pollination | <input type="checkbox"/> d All the above |
|---|--|---|--|

42. Which of the following practices can help promote soil carbon sequestration in agroforestry

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> a Tree planting | <input type="checkbox"/> b Crop diversification | <input type="checkbox"/> c Soil conservation | <input checked="" type="checkbox"/> d All the above |
|---|---|--|---|

43. What is the role of carbon sequestration in climate-smart agriculture

- | | | | |
|--|---|--|---|
| <input checked="" type="checkbox"/> a Increase crop resilience | <input type="checkbox"/> b Decrease crop yields | <input type="checkbox"/> c No impact on crop yield | <input type="checkbox"/> d All of the above |
|--|---|--|---|

44. Which of the following is a benefit of carbon sequestration in agricultural soils for farmers livelihoods

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> a. Increased crop yield | <input checked="" type="checkbox"/> b. Improve soil health | <input type="checkbox"/> c. Enhanced market access | <input type="checkbox"/> d. All of the above |
|---|--|--|--|

45. What is the role of carbon sequestration in mitigating climate change impacts on agricultural productivity

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> a. Reduces drought risk | <input type="checkbox"/> b. Increases flood risk | <input type="checkbox"/> c. No impact on agricultural productivity | <input type="checkbox"/> d. All of the above |
|---|--|--|--|

46. What is the impact of soil carbon sequestration on soil water holding capacity

- | | | | |
|--|---|---|---|
| <input checked="" type="checkbox"/> a. Increase water holding capacity | <input type="checkbox"/> b. decrease water holding capacity | <input type="checkbox"/> c. no impact on water holding capacity | <input type="checkbox"/> d. All the above |
|--|---|---|---|

47. Which of the following practices can help promote soil carbon sequestration in precision agriculture

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> a. Variable rate application | <input type="checkbox"/> b. Precision irrigation | <input type="checkbox"/> C. Soil sensing | <input checked="" type="checkbox"/> d. All of the above |
|--|--|--|---|

48. Which of the following soil types has the highest carbon sequestration potential

- | | | | |
|---|----------------------------------|----------------------------------|----------------------------------|
| <input checked="" type="checkbox"/> a. Clay | <input type="checkbox"/> b. Silt | <input type="checkbox"/> c. Sand | <input type="checkbox"/> d. Loam |
|---|----------------------------------|----------------------------------|----------------------------------|

49. What is the term for the process of converting carbon dioxide into organic compounds in soil

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> a. Carbonation | <input type="checkbox"/> b. Carbon sequestration | <input type="checkbox"/> c. Soil carbonization | <input checked="" type="checkbox"/> d. Humification |
|---|--|--|---|

50. Which of the following soil microorganisms plays a key role in carbon sequestration

- | | | | |
|--------------------------------------|--|--------------------------------------|---------------------------------------|
| <input type="checkbox"/> a. Bacteria | <input checked="" type="checkbox"/> b. Fungi | <input type="checkbox"/> c. Protozoa | <input type="checkbox"/> d. Nematodes |
|--------------------------------------|--|--------------------------------------|---------------------------------------|



K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

Department of Agronomy

Certificate course in '**Carbon Sequestration in Agriculture: Theoretical Perspectives**'
Academic Year 2022-23

Report

K. K. Wagh Education Society's K. K. Wagh College of Agriculture, Saraswatinagar, Nashik which provide education in agriculture at U.G. level students. College has to decide introduce new Certificate Course in '**Carbon Sequestration in Agriculture: Theoretical Perspectives**'. Total 40 students are enrolled for course. This course aims to equip agriculture students with a robust understanding of carbon sequestration practices and their application in the agricultural context of Maharashtra. By the end of the week, students have gained valuable insights into the science, methods, challenges, and policy aspects of carbon sequestration, preparing them to contribute to sustainable agricultural practices and climate change mitigation efforts.

Course outcome

- 1) Students will be able to explain the basic principles of the carbon cycle, including sources and sinks of carbon, and understand how carbon sequestration fits into this cycle.
- 2) Students will demonstrate knowledge of different types of carbon sequestration, such as soil, vegetative, and geological sequestration, and their roles in mitigating climate change.
- 3) Students will acquire the ability to identify and describe soil carbon sequestration methods, including conservation tillage, cover cropping, and organic amendments, and evaluate their effectiveness in different agricultural settings.
- 4) Students will comprehend the role of agroforestry, afforestation, and conservation practices in vegetative carbon sequestration and be able to design strategies for integrating these methods into agricultural landscapes.
- 5) Students will gain insights into the specific climate and soil conditions of Maharashtra and how these factors influence carbon sequestration potential in the region.





K. K. Wagh Education Society's
K. K. Wagh College of Agriculture,
(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)
Saraswati Nagar, Panchavati, Nashik- 422 003. Maharashtra
College Code;11135 AISHE Code: C-50690

☎: (0253)2555221, 2555224 ✉ - principal-bscagri@kkwagh.edu.in 🌐 <https://agri-bsc.kkwagh.edu.in>

- 6) Students will explore emerging trends and future research opportunities in carbon sequestration, understanding the potential of new technologies and innovations to drive progress in this field.
- 7) Students will be prepared to engage in further research or professional opportunities related to carbon sequestration, contributing to sustainable agricultural practices and climate change mitigation efforts in Maharashtra and beyond.

Students have developed a comprehensive understanding of carbon sequestration and its applications in agriculture, equipped with the skills and knowledge needed to contribute to sustainable practices in Maharashtra's agricultural sector. The course was designed to align with the region's specific needs and challenges, ensuring that students are well-prepared to make a meaningful impact in the field of carbon sequestration.

In academic year 2022-23 forty students are enrolled for this certificate course. Theory examination has been conducted for total 50 marks. Duration for this certificate course is 19/12/2022 to 31/12/2022 (Total 30 hrs.). The students who successfully completed the certificate course were given a certificate as appreciation by the college.

Course coordinator is Ms. S V Sonawane and member for this certificate course are, Dr. P P Kharche, Ms S A Hulgunde


Course Coordinator


Principal
K.K.Wagh College of Agriculture
Saraswatinagar, Panchavati, Nashik





K K Wagh Education Society's

K K WAGH COLLEGE OF AGRICULTURE

(Affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri)

Saraswatinagar, Panchavati, Nashik - 422 003

Certificate

This is to certify that Mr./Ms. *Waghchavre Gm Tulashiram*.....

Class *SYBSc. (Agri.)*..... has completed Certificate Course on *Carbon Sequestration in Agriculture*.....

Theoretical Perspective..... from *19/12/2022*..... to *21/12/2022*..... organized by

Department of *Agronomy*..... in academic year *2022-23*.....

Date : *06/01/2023*

Place : Nashik


Course Coordinator




Principal
K K Wagh College of Agriculture
Nashik