

**NATIONAL SEMINAR
CUM WORKSHOP**

&

**Celebrating
WORLD SOIL DAY
5-6TH December 2022**

**MANAGING SOIL CARBON
FOR MONETISING
CARBON CREDITS TO
BENEFIT INDIAN
FARMERS**

(Hybrid mode)

ORGANIZED BY

Department of Forestry, Wildlife &
Environmental Sciences
GGV, Bilaspur (C.G),
In
Association with
ISHA FOUNDATION
(Bilaspur Centre)

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PROF. ALOK KUMAR CHAKRAWAL
Hon'ble Vice Chancellor, GGV

PATRON

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Registrar, GGV

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PROF. S. S. SINGH
School of Natural Resources, GGV

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PROF. S. C. TIWARI
*Department of Forestry, Wildlife &
Environmental Sciences*

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SECRETARIES**

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**Guru Ghasidas
Vishwavidyalaya**

Guru Ghasidas Vishwavidyalaya, is a Central University of India, located in smart city Bilaspur, Chhattisgarh, Central India, established under Central Universities Act 2009, No. 25 of 2009. GGV is an active member of the Association of Indian Universities and Association of Commonwealth Universities. Situated in a socially and economically challenged area, the University is appropriately named to honor the great Satnami Saint Guru Ghasidas (born in 17th century), who championed the cause of the downtrodden and waged a relentless struggle against all forms of social evils and injustice prevailing in the society.

Department of Forestry, Wildlife & Environmental Sciences

The Department of Forestry, Wildlife & Environmental Sciences under the School of Natural Resources was established in the year 1989 and has been accredited with 'A' Grade by ICFRE. The Department offers B.Sc. Forestry, B.Sc. Organic Farming, M.Sc. (Forestry & Environmental Sciences) and Ph.D. (Forestry & Environmental Sciences). At present, the Department have planted around 20000 saplings and 5 hectares of bamboo species inside the University Campus to sequester more carbon and make the campus carbon neutral. The Department have also organized several conferences, seminars, workshops, and training programs in the past.

About the Seminar cum workshop

Soils are considered as a major reservoir of carbon containing more carbon than the atmosphere and terrestrial vegetation combined. Soil organic carbon (SOC) plays an important role in global carbon cycle involving the cycling of carbon through the soil, vegetation, ocean, and the atmosphere. It is dynamic in nature, however, it can either be a net sink or a net source of GHGs due to various

anthropogenic activities. As per 2019-20 Soil Health Survey by Govt of India, 44 percent of the country's soil is deficient in organic carbon. In the presence of climate change, land degradation and biodiversity loss, soils have become one of the most vulnerable resources in the world. As an indicator for soil health, SOC is important for its contributions to food production, mitigation and adaptation to climate change, and the achievement of the Sustainable Development Goals. Therefore, SOC conserving practices needs to be implemented in order to attain the maximum potential of climate change mitigation and adaptation and food productivity.

Carbon Credit Trading is generated from the Kyoto Protocol which basically aims to trade the carbon credit in the market. It is a concept which can be used to reduce the carbon emission level from the atmosphere. Carbon Credits are certificates representing quantities of greenhouse gases that have been kept out of the air or removed from it. 1 Carbon Credit certifies that 1 Metric Tonne of Carbon Dioxide has been removed from the atmosphere.

Recently, India has implemented the Energy Conservation (Amendment) Bill, 2022 in Parliament to exercise carbon trading at domestic level. Looking at this potentiality and needs, the Seminar cum Workshop on managing soil carbon to monetize carbon credits for the benefits of Indian farmers aims to bring together the

Scientist, Academicians, Scholars and Farmers in a common platform to discuss the recent advancements and scope of Carbon monetization and its attributes for practicing sustainable agriculture.

During the workshop Hands-on Training for soil testing, determination of carbon stock, carbon sequestration potential and preparation of Soil Health Card will be imparted.

Call for Papers

Research papers for Oral presentations (online and offline) are invited in the following sub themes:

1. Policy & Plans of Carbon Monetization at Global and Domestic levels
2. Carbon Forestry & Forest Soils.
3. Soil Biodiversity, Microbiology, Biochemistry and Fertility of Soils
4. Soil Organic Carbon Sequestration and management.
5. Improvisation in Traditional Farming System for Carbon offsetting
6. Role of Microbes in Soil Organic Matter formation and Soil Sustainability
7. Mapping of Soil Resources for Soil Quality Index Evaluation.
8. Natural Resources Management

(Only selected papers will be allowed for presentation)

Abstract format

Title of the manuscript (Times New Roman, bold, font size 14) followed by Author(s) name, affiliation(s) and email of corresponding author (Times New Roman, italics, font size 12), Abstract should be less than 250 words along with five keywords (Times New Roman, font size 12, spacing double). Abstract should be submitted through wsdforestryggv@gmail.com E-mail attachment only.

Registration fees

1. Academicians/Faculties/Scientists/Forest Officers/NGOs- Rs. 1000.
2. Research Scholars/Students- Rs. 500.
3. Farmers- Fee Exempted

Registration fee can be paid through online transfer only.

Bank Details:

Account Number- 37137162271

Account Name- Registrar, Guru Ghasidas Vishwavidyalaya, Bilaspur

Bank Name- State Bank of India, Koni

IFSC Code- SBIN0018879

Registration link:

<https://forms.gle/3sNpaZLo1ruyA6v67>

Deadlines

1. Registration and Abstract Submission- 30th November 2022

National Organizing Committee

1. Prof. B.K. Tiwari
Former Professor, School of Environmental Sciences, North-Eastern Hill University, Shillong, Meghalaya
2. Prof. Jagdish Prasad
Former Principal Scientist, ICAR-National Bureau of Soil Survey and Land Use Planning, Nagpur, Maharashtra
3. Dr. Harendra Kharkwal
Joint Director, MoEF&CC, New Delhi
4. Dr. A. Arunachalam
Director, ICAR-Central Agroforestry Research Institute, Jhansi, U.P.
5. Prof. R. K. Bajpai
Director of Research, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh.
6. Prof. G.P. Singh
Department of Geophysics, BHU Varanasi, U.P.
7. Prof. Manmohan J. Dobriyal
Dean, College of Horticulture & Forestry, Rani Lakshmi Bai Central Agricultural University, Jhansi, U.P.
8. Dr. Vijender Pal Panwar
Scientist-E, Ecology & Climate Change Division, FRI, Dehradun
9. Prof. Sanjeev Kumar

Dean, College of Forestry, Banda University of Agriculture and Technology, Banda, UP.

Local Organizing Committee

1. Prof. Rashmi Agarwal
2. Prof. S.S. Dhuria
3. Dr. Gunjan Patil
4. Dr. Bhavana Dixit
5. Dr. Ajay Kumar Singh
6. Dr. Atul Kumar Bhardwaj
7. Dr. Chandresh Kumar Singh
8. Dr. Arvind Prajapati
9. Dr. Ankita Singh
10. Dr. Marry Ekka
11. Dr. Sharda Dubey
12. Dr. Gaurav Padwar
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