

**UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD
COLLEGE OF AGRICULTURE, DHARWAD**

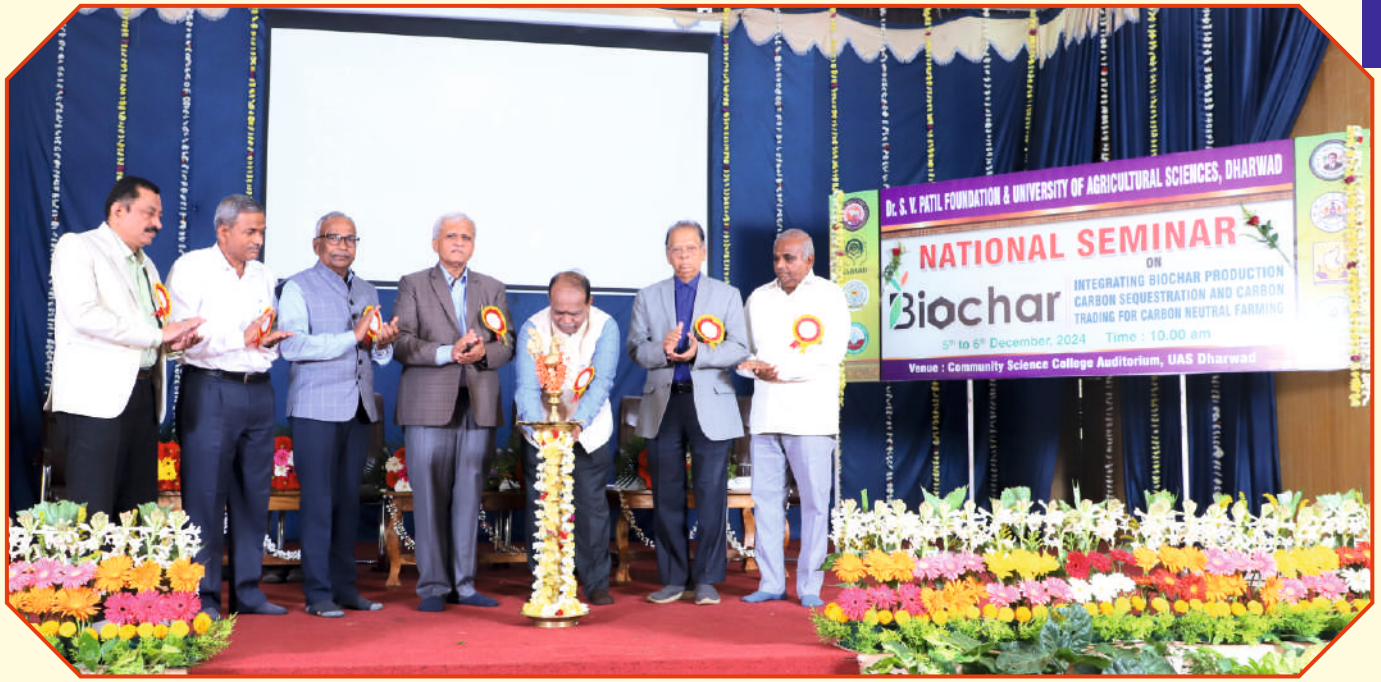


**DR. S. V. PATIL FOUNDATION AND CHAIR FOR
RESEARCH, TRAINING AND FARMERS' WELFARE ®**



**Progress Report of
Dr. S.V.Patil Foundation**

2022-2025





About the Foundation

Dr S V Patil Foundation was established under the Charitable and Religious Trust Act 1921 on 20.06.2022 at University of Agricultural Sciences, Dharwad. The Dr. S. V. Patil Foundation was established to honour Dr. S. V. Patil, a visionary agricultural scientist and institution builder who made outstanding contributions to agricultural education and farmer welfare in northern Karnataka. With support from the University of Agricultural Sciences, Dharwad and the Government of Karnataka, the foundation oversees the “Dr. S. V. Patil Chair” and brings together experts to promote research, training, entrepreneurship and initiatives that strengthen farming communities. Through its programmes and outreach, the foundation continues Dr. Patil's lifelong mission of advancing agriculture and improving the livelihoods of farmers. The foundation works to promote agricultural research, training and farmer's welfare, while creating awareness among farmers, students and the public. It supports education and innovation by conducting research activities, offering scholarships, organizing seminars and publishing scientific and educational materials. It also collaborates with similar institutions, manages property for its mission and provides financial assistance to deserving student and staff.

The aims and objectives of the Foundation are and shall be:

- A. To advance the cause of the Agricultural Research, Training and Farmers Welfare without distinction of religion, caste, creed, sex or language.
- B. To create an awareness among the farmers, students and general public on agricultural developments for the welfare of farmers.
- C. To organize seminars, symposia, workshops, brainstorming sessions, lectures, demonstrations, exhibitions, study tours etc.
- D. To print and publish books, magazines, periodicals and pamphlets of research, scientific and educational value to carry on agriculture and rural development activities and to further the aims and objectives of the Foundation.
- E. To amalgamate or affiliate with any other Foundation, Institution or Association whose objectives and interests in any manner directly or indirectly or substantially are identical with the objectives or interests of the Foundation.
- F. To grant loans, scholarships, free studentships, prizes and monetary assistance to the deserving students and teaching staff of UAS, Dharwad in their studies.



Management Committee

Designation	Details
President (Ex-officio)	Dr. P. L. Patil Vice-Chancellor UAS, Dharwad – 580 005
Vice President (Ex-officio)	Dr. V. B. Kuligod Dean (Agri.), College of Agriculture, Dharwad
General Secretary (Ex-officio)	- Dr. B. N. Aravinda Kumar Professor & Head, Dept. of Agronomy College of Agriculture, Dharwad
Secretary	Dr. S. Rajkumara
Treasurer	Dr. U. K. Shanwad
Dr. M. N. Sheelavantar	Founder Member
Dr. M. B. Chetti	Founder Member
Dr. Ashok Dalwai	Founder Member
Dr. Sheela Patil	Founder Member
Dr. V. C. Patil	Founder Member
Dr. A. B. Patil	Founder Member
Dr. V. S. Korikantimath	Member
Dr. B. N. Patil	Member
Dr. R. G. Gollar	Member
Dr. Aravindakumar B. N.	Member



PROGRESS REPORT OF ACTIVITIES AND ACHIEVEMENTS

Progress report 2022-23

1. The proposal to establish Dr. S. V. Patil Chair for Research, Training and Farmers Welfare at UAS, Dharwad was submitted to the Govt. of Karnataka with the following activities.
 - i. Adoption of climate resilient Integrated Natural Farming Systems on farmers field to increase crop productivity, farmers' income, and protect the ecological balance.
 - ii. Smart farming solutions mainly drone based spectral characterization at different growth stages for biotic and abiotic stress management and resource use efficiency in selected crops through proximal/satellite-based sensors and unmanned aerial vehicles.
 - iii. Secondary agriculture will be promoted among the Farmers Producers Organization (FPO) in cluster of villages in districts of Northern Karnataka.
2. Under the foundation Dr. S. V. Patil chair was established with the financial support of Rs. 1.00 Crore from the Government of Karnataka. Dr. S. V. Patil Agriculture Research, Training and Farmers Welfare Chair was inaugurated by then Hon'ble Chief Minister Sri. Basavaraj Bommai on 31.01.2023 at UAS Campus, Dharwad.
3. To pay tribute to a legendary Agronomist Dr. S. V. Patil, the University of Agricultural Sciences, Dharwad organized "Dr. S. V. Patil Centenary Celebrations" starting from February 25, 2022 on his birth date. To begin with a curtain raiser function is organized on 25.02.2022 at 10.00 AM at UAS, campus, Dharwad.
4. As part of Centenary Celebrations, organized "National Seminar" during 3-5th May, 2022.
5. The National Seminar on "Sustainable Food Production Systems for Self Reliant and Climate Resilient Agriculture" was organised in collaboration with University of Agricultural Sciences Dharwad, UAS, Raicur, UAS, Bengaluru, UAHS, Shivamogga and Veterinary University, Bidar on the occasion of birth Centenary Celebrations Dr. S. V. Patil, during 16-18 June, 2022 with the following themes:



Theme1: Resource Conservation Technology for Sustainable Production

Theme 2: Organic, Natural and Ecological Agricultural Production Systems

Theme3: Agricultural Innovations and Smart Farming

Theme4: Crop intensification and diversification

Theme-5: Climate Resilient Agriculture

Theme 6: Secondary Agriculture

The Chief Guest Prof. Aravind Kumar DDG, Education, ICAR, New Delhi inaugurated the National Seminar and addressed the gathering. Dr. M. N. Sheelavantar, Former Vice Chancellor, UAS, Bengaluru presided over the function. The guests of honour, the Hon'ble Vice chancellor, of UAS, Dharwad Dr. Mahadev B. Chetti, the honourable Vice chancellors of State Agricultural Universities of Karnataka, Dr. Rajendra Prasad (UAS, Bengaluru), Dr. K. N. Kattimani, (UAS, Raichur), Dr. K. M. Indresh (UHS, Bagalkot), Dr. K. C. Veeranna (KVAFSU, Bidar) and Former Vice Chancellor, UAS, Bengaluru, Dr. Ashok Dalwai CEO, National Rainfed Area Authority, MoA & FW, GOI, New Delhi, Dr. Sheela Patil daughter and family



Brochure of National Seminar on Sustainable Food Production Systems for Self Reliant and Climate Resilient Agriculture



members of Dr. S. V. Patil and founder members of the foundation participated. The officers of the university, all the invited speakers, all the delegates of the seminar, distinguished professors, scientists and students gathered in large number.

6. The first Dr. S. V. Patil foundation lecture was organized on 27.02.2023, Dr. Ashok Dalwai CEO, National Rainfed Area Authority, Chairmen Empowered body of Doubling Farmers Income of Ministry of Agriculture and Farmers welfare, participated as the Chief Guest for the function and delivered the First FoundationDay lecture on “Agriculture in the Twenty first Century driving Bio-economy through Secondary Agriculture” a very important and most relevant to present situation.



**Glimpses of Dr S V Patil Centenary Celebrations-
Curtain Raiser Programme**



Progress Report : 2023-24

The following activities were carried out during the year 2023-24

1. Dr. S. V. Patil Foundation activities were launched by Dr. P. L. Patil, Hon'ble Vice-Chancellor, UAS, Dharwad at Rameshwar High-School premises, Hulakund Village, Ramdurg taluk, Belagavi district, the birth place of Dr. S. V. Patil. The comprehensive soil survey and land resource inventory was conducted in collaboration with REWARD project. From the foundation with the help of Reward project and KVK, Mattikoppa 240 soil samples were collected and tested, soil health cards were prepared.
2. The training programme on sugarcane, water management, soil water conservation and FPC organization to the farmers was organized. Approximately 500 farmers from Hulakund and neighbouring five villages were participated in the programme and were benefitted with the latest technologies and information.
3. Second Foundation Day of Dr. S. V. Patil was celebrated on February 23, 2024 by organizing a lecture series. Dr. Suhas P Wani being honored as the Chief Guest and gave second Foundation Day Lecture on "Sustainable Water Management Business of Everyone: Challenges and opportunities". The keynote address 500 copies were prepared and distributed to all the participants. The members of foundation, teaching and non-teaching faculty and students participated and benefitted with the lecture.
4. Technical guidance was given to the following projects
I. "Transformation to Agro-ecological farming" ICCOA, Bengaluru
project II. "Evaluation of FPOs as Lead Institute" funded by SFAC, Ministry of Agriculture and Farmers Welfare, Govt. of India, New Delhi
5. Finalized the Foundation website and was launched on UAS, Dharwad main website.
6. Constituted a Think tank of scientists for different areas of agriculture for planning, preparation, implementation, monitoring and evaluation of research and development projects and training programmes of the foundation.
7. Instituted a gold medal in the memory of Dr. S. V. Patil, Former Vice-Chancellor, UAS, Bengaluru by the foundation to confer this award to a student who scores the highest marks in Bachelor of Science (Hons.) Agriculture degree programme from UAS, Dharwad and is presented during UAS, Dharwad convocation every year.
8. Interaction meeting on "Crop monitoring for precision agriculture, Bio-char and Predictive analytics for farming community" was organized on 28.08.2024. Dr. P. L. Patil, Hon'ble Vice-Chancellor and President, Dr. S. V. Patil Foundation chaired the programme. Dr. V. C. Patil, Former



Progress Report : 2024-25

Dr. S. V. Patil Foundation for Research, Training and Farmers Welfare (R) came into existence on 20.06.2022 at University of Agricultural Sciences, Dharwad to advance the cause of the Agricultural Research, Training and Farmers Welfare activities. Under the foundation Dr. S. V. Patil chair for Research, Training and Farmers Welfare was established with the financial support of Rs. 1.00 Crore from the Government of Karnataka. Dr. S. V. Patil Agriculture Research, Training and Farmers Welfare Chair was inaugurated by then Hon'ble Chief Minister Sri. Basavaraj Bommai on 31.01.2023 at UAS Campus, Dharwad.

The following activities were carried out during the year 2024-25

1. The comprehensive soil survey and land resource inventory was conducted in collaboration with REWARD project. From the foundation with the help of Reward project and KVK, Mattikoppa 240 soil samples were collected and tested, soil health cards were prepared. Training programme on sugarcane, water management, soil water conservation and FPC organization to the farmers was organized.
2. Technical guidance is given to the following projects
 - a. "Transformation to Agro-ecological farming" ICCOA, Bengaluru project
 - b. "Evaluation of FPOs as Lead Institute" funded by SFAC, Ministry of Agriculture and Farmers Welfare, Govt. of India, New Delhi
3. Launched the Foundation website.
4. Constituted a Think tank of scientists for different areas of agriculture for planning, preparation, implementation, monitoring and evaluation of research and development projects and training programmes of the foundation.
5. Instituted a gold medal in the memory of Dr. S. V. Patil, Former Vice-Chancellor, UAS, Bengaluru by the foundation to confer this award to a student who scores the highest marks in Bachelor of Science (Hons.) Agriculture degree programme from UAS, Dharwad presented during UAS, Dharwad convocation every year.
6. The founder member Dr Ashok S. Patil in a memory of his father late Dr.S.V.Patil instituted one more gold Medal to a student who scores the highest marks in Bachelor of Science (Hons.) Community science



- degree programme from UAS, Dharwad presented during UAS, Dharwad convocation every year.
7. Interaction meeting on “Crop monitoring for precision agriculture, Bio-char and Predictive analytics for farming community” was organized on 28.08.2024. Dr. P. L. Patil, Hon'ble Vice-Chancellor and President, Dr. S. V. Patil Foundation chaired the programme. Dr. V. C. Patil, Former Dean (PGS), UAS, Dharwad, Dr. B. L. Desai, Executive Dean and other faculty of KLE Technological University, Hubballi presented their topics covering above aspects of the meet. Faculty from Agronomy, Soil Science and Agril Engineering and PG scholars participated in this interaction meet.
 8. Organized National Seminar on “Integrating Biochar production, carbon sequestration and carbon trading for carbon neutral farming” from 5th to 6th December, 2024 jointly by the Foundation and University of Agricultural Sciences, Dharwad in collaboration with other Farm Universities of Karnataka. More than 200 participants participated in the workshop. The uniqueness of the workshop was all the stake holders Students, Scientists, industry people, NGO's, Extension officers, Bankers and farmers participated and benefited from the workshop. The proceedings were circulated and policy decisions were made and submitted.
 9. To encourage the farmers, farmers groups and co-operative movement to have established a value chain in Agriculture, during the year 2024-25 two FPO were recognized and awarded with the great freedom fighter and co-operative farming activist Sri Virupakshappa Gurubasappa Angadi outstanding FPC Award to two FPC's namely Kalmewar Farmers Producers Company, Ltd. Navalgund and Bhoosiri Millets Farmers Producers Company, Haveri.
 10. Third Foundation Day of Dr. S. V. Patil foundation was celebrated on February 25, 2025 by organizing a Lecture series. Dr. V. S. Bhale Former Vice Chancellor, PDKV, Akola was the Chief guest and delivered Third Foundation Day Lecture on “Innovative Path way for Sustaining Agriculture Education and Research”. The keynote address 250 copies were prepared and distributed to all the participants. The members of foundation, teaching and non-teaching faculty and students participated and benefitted with the lecture.



Screenshot of information available on the official website of <https://drsvpatilfoundation.org/> , accessed on 13.12.2025



Inaugural Ceremony of Third Foundation Day Lecture



Registration Fees (In Rs.)		
Personnel	Within State	Other than state
Scientists/Young	4,000/-	4,500/-
RA/IBF/Young Professionals	2,000/-	2,500/-
Doctoral Students	1,800/-	-
Retired Teachers	2,000/-	-
Corporate/Industry/Private	6,000/-	6,500/-
Accompanying members	2,000/-	2,500/-

IMPORTANT DATES
 Extended Summaries, Research papers, Lead papers, case studies and success stories: **11-11-2024**
 Registration: **11-11-2024**

TECHNICAL INFORMATION

Invited Lead Lectures: These would offer an insight into the various Sympozia of the National Seminar. Technical committees constituted for each symposium will identify two speakers. A lecture of each speaker will be of 20 minutes followed by discussion. Lead speakers of the symposium will be requested to provide 1-4 pages extended summaries of their talk and brief bio-data for inclusion in the pre-seminar proceedings. Full length papers will be published in Journal of Farm Sciences Special Issue.

Extended Summaries: The delegates will submit extended summary of their research paper before 11.11.2024. These extended summaries will be scrutinized and published in the pre-seminar proceedings and distributed to delegates at the time of registration. The extended summary (upto Three pages) should include: Title, Authors and Affiliation details, Abstract (<100 words), Introduction, Materials and Methods and Results and Discussion along with 3-4 most relevant references. If necessary, one figure/table may be included in the results section. The reference should follow the Journal of Farm Sciences format. All extended summaries must be 1.5 lines spaced, a 12 font size in Times New Roman text with margin of 12 inches. Extended summary prepared without following the style and format and guidelines will not be accepted for publication. A soft copy of the extended summary prepared in Microsoft word doc may be emailed to organize secretary.

Extended Summaries should be sent to:
 Organizing Secretary, on or before 11th November, 2024 by
 E-mail: drspatil@foundation.in

Oral Presentation: Limited number of papers will be selected for presentation based on importance of subject matter and its relevance to the theme of the seminar. Oral presentation will be for 10 minutes with a maximum of 22 slides for presentation.

Poster Presentation: Poster presentation will be arranged three weeks. Material for fixing the posters will be provided by the organizers.

Guidelines for Poster Preparation: Supplies to attach the poster to boards will be available at the venue. The area allotted for each poster would be approximately 90 cm x 75 cm. Single sheet depicting information for the poster be prepared for presentation.

Lettering: The font for the title should be Arial Bold in 34 size (capital with contrast to the background and clearly visible from a distance of 1 m. All additional lettering should be Arial font (no bold) in 16 size. Headings for table and figure should be in Arial bold font in 16 size. Numerical and letters included in figures and tables should be helvetica font, preferably same size as in script, but should be clearly visible from a distance of 1 m. The title of the poster should follow the name(s) of the author(s) and their affiliation in Arial font 20 size. The text part should include the following heading with the size of the poster:

- Abstract**
- Objectives in two or three sentences**
- Material and Methods briefly**
- Results and Discussion (including Table, Charts/Graphs)**
- Conclusion**

Note: Best oral and poster presentations will be suitably rewarded.



Dr. S.V. Patil Foundation for Research and Training for Farmers Welfare

Dr. S.V. Patil a genius agricultural scientist, a teacher, academician, visionary and most importantly a great institution builder has immensely contributed for the development of College of Agriculture, Dharwad, new faculties and programs, which became precursor for formation of another agricultural university at Dharwad campus during 1988 to cater to the needs of Agricultural Education and Research of Northern Karnataka. He set high standards of conduct and dedication among teachers, scientists, and students in agricultural education, research, and farmers' welfare activities. An indomitable person with his persistent efforts, he motivated number of students to give illustrious career in their life. He persistently made efforts and became the pioneer of building farmers friendly institutes for the development of agriculture and farmers welfare in the state. Because of his magnanimity it aroused interest among his students, Gujarat, University faculty and fellows to pay tribute to a legendary Agronomist Dr. S. V. Patil. With this, the University of Agricultural Sciences, Dharwad with the support of Government of Karnataka has established "Dr. S. V. Patil Chair" under the foundation of Dr. S. V. Patil in the year 2022. "Dr. S. V. Patil Foundation for Research and Training for Farmers Welfare" has imparted expert members to carry out different activities. The foundation also has expertise in providing various services to develop entrepreneurship and farmers' welfare activities. Up to now, the foundation has organized two national seminars, three field days, and implemented projects related to Farmers' Producer Organizations and Regenerative Agriculture, Agro-ecological Farming. It is also planned to conduct a series of such events to motivate young people in agriculture and to create awareness on various aspects of agriculture in rural areas for the welfare of farming community.

REGISTRATION FORM

Name (in block letters): _____
 Sex (Male/Female): _____
 Designation: _____
 Mailing address with Pin code: _____
 Phone with STD Code: _____
 Mobile No.: _____
 Office / Residence: _____
 Email: _____
 Life members of foundation: YES / NO
 Thematic area: _____
 Registration fee paid: YES / NO
 Mode of payment with date: DU/Cheque/Bank Transfer.
 IF DD: Demand Draft No. _____
 Transaction ID of Scan & Pay _____
 If Bank Transfer / Branch: _____
 Accompanying persons (if any): _____

Contact:
 Dr. B. N. Aravind Kumar
 Professor of Agronomy & Organising Secretary
 University of Agricultural Sciences, Bishnagar, Dharwad-580005
 Mobile: 91-97408221915
 E-mail: drspatil@foundation.in
 For More Details Visit: www.aas.edu

Dr. S. V. PATIL FOUNDATION
 and
UNIVERSITY OF AGRICULTURAL SCIENCES
 DHARWAD

NATIONAL SEMINAR
 ON
**Integrating Biochar Production,
 Carbon Sequestration and Carbon Trading
 for Carbon Neutral Farming**
 5th to 6th December, 2024

Organised By
Dr. S.V. Patil Chair for Research and Training for Farmers Welfare
 University of Agricultural Sciences, Dharwad
 Karnataka, India

In Collaboration with

Indian Council of Agricultural Research, New Delhi
 University of Agricultural Sciences, Bangalore
 University of Agricultural Sciences, Raichur
 University of Horticultural Sciences, Bagalkote
 University of Agriculture & Horticultural Sciences, Shivamogga
 Karnataka Veterinary Animal Husbandry & Fisheries Sciences University, Bidar
 Karnataka State Department of Agriculture, Govt. of Karnataka
 Karnataka Department of Horticulture, Govt. of Karnataka
 Karnataka Forest Department, Govt. of Karnataka
 National Bank of Agriculture and Rural Development, Mumbai

CHEF PATRONS
 Dr. Himanshu Patil
 Director General ICAR & Secretary (DARE)
 Govt. of India, New Delhi

- PATRONS**
- Dr. S. V. Suresha: Hon'ble Vice-Chancellor, UAS, Bangalore
 - Dr. R. C. Jagdeesha: Hon'ble Vice-Chancellor, Kalladi Shivappa Nayaka UASs, Shivamogga
 - Dr. M. Hanumanthappa: Hon'ble Vice-Chancellor, UAS, Raichur
 - Dr. Vishnuvardhana: Hon'ble Vice-Chancellor, UAS, Bagalkote
 - Dr. K. V. Veeranna: Hon'ble Vice-Chancellor, KVAFSU, Nandiyadka, Bidar
 - Dr. J. V. Goud: Former & First Vice-Chancellor, UAS, Dharwad
 - Dr. M. N. Sheelavantar: Former Vice-Chancellor, UAS, Bangalore
 - Dr. J. H. Kulkarni: Former Vice-Chancellor, UAS, Dharwad
 - Dr. R. R. Hanchamal: Former Vice-Chancellor, UAS, Dharwad
 - Dr. D. P. Biradar: Former Vice-Chancellor, UAS, Dharwad
 - Dr. M. B. Chetti: Former Vice-Chancellor, UAS, Dharwad

- ADVISORY COMMITTEE**
- Dr. M. N. Sheelavantar: Former Vice-Chancellor, UAS, Bangalore - Chairman
 - Dr. Y. C. Patil: Former Dean (PGS), UAS, Dharwad - Co-Chairman
 - Dr. A. S. Karikantimath: Former Director, ICAR Inst. Goa - Member
 - Dr. A. S. Prabhakar: Former Registrar, UAS, Dharwad - Member
 - Dr. C. S. Hunshal: Former Dean (PGS), UAS, Dharwad - Member
 - Dr. S. L. Madwal: Former Director of Research UAS, Dharwad - Member
 - Dr. G. S. Dasog: Former Dean (Agr.), UAS, Dharwad - Member
 - Dr. L. H. Malligavard: Former Dean (PGS), UAS, Dharwad - Member
 - Dr. B. M. Chittagap: Former DE, UAS, Raichur - Member
 - Dr. B. N. Patil: Former ADR (HQ), UAS, Dharwad - Member
 - Dr. V. V. Angadi: Former Professor of Agronomy UAS, Dharwad - Member
 - Dr. H. B. Babalad: Former Dean (Agr.), UAS, Dharwad - Member
 - Dr. U. K. Hulihalli: Former HOD, Dept. of Agril. Meteorology, UAS, Dharwad - Member



ORGANIZING COMMITTEE

- Dr. P. L. Patil, Hon'ble Vice-Chancellor, UAS, Dharwad - Chairman
- Dr. V. R. Kireesur, Director of Education, UAS, Dharwad - Member
- Smt. Jaashalka Ralkod, Agronomist, UAS, Dharwad - Member
- Dr. B. D. Biradar, Director of Research, UAS, Dharwad - Member
- Dr. S. S. Angadi, Director of Extension, UAS, Dharwad - Member
- Dr. R. Basavarajappa, Dean (PGS), UAS, Dharwad - Member
- Dr. I. K. Kalpappanavar, Dean (Agr), College of Agriculture, Dharwad - Member
- Dr. Saranjani Karankannavar, Dean (Students Welfare), UAS, Dharwad - Member
- Dr. A. Bheemappa, Dean (Agr), College of Agriculture, Vijayanagara - Member
- Dr. S. Hill, Dean (Agr), College of Agriculture, Hanumanthalli - Member
- Dr. R. Vesudava, Dean (Forestry), College of Forestry, Soli - Member
- Dr. P. V. Patil, Dean (IC), College of Community Sciences, Dharwad - Member
- Dr. P. U. Krishnaraj, University Librarian, UAS, Dharwad - Member
- Dr. M. V. Manjunath, Administrative Officer, UAS, Dharwad - Member
- Dr. B. D. Chavara, Estate Officer, UAS, Dharwad - Member
- Dr. S. N. Honnali, Comptroller, UAS, Dharwad - Member
- Dr. R. B. Babalad, Secretary, Dr. S. V. Patil Foundation, UAS, Dharwad - Member
- Dr. U. K. Hulihalli, Treasurer, Dr. S. V. Patil Foundation, UAS, Dharwad - Member
- Dr. S. V. Kutsada, Professor & Head, Department of Agronomy, College of Agriculture, Dharwad - Organizing Secretary
- Dr. S. Rajkumar, Professor of Agronomy, College of Agriculture, Dharwad - Co-organizing Secretaries
- Dr. V. B. Kullgod, Professor of Soil Science, College of Agriculture, Dharwad - Co-organizing Secretaries
- Dr. U. K. Shanwad, Scientist (Agronomy), CAARIP on Cotton, UAS, Dharwad Farm, Dharwad - Co-organizing Secretaries

ABOUT THE SEMINAR

Agriculture stands at the forefront of the global efforts to combat climate change. As the world grapples with escalating environmental challenges, the pursuit of innovative and sustainable agricultural practices becomes imperative. In this context, the role of agriculture in achieving a carbon-neutral future has become increasingly significant. We are pleased to announce the National Seminar on "Integrating Biochar Production, Carbon Sequestration and Carbon Trading for Carbon Neutral Farming" aimed at fostering dialogue and collaboration among researchers, practitioners, policymakers and industry experts to explore innovative strategies for sustainable agriculture. This seminar seeks to explore the pivotal role of agriculture in mitigating climate change through effective carbon management strategies. By focusing on the integration of biochar, carbon sequestration techniques, and carbon credit systems, highlighting the pathways to enhance soil health, increase crop productivity, and reduce greenhouse gas emissions.

Biochar, a form of charcoal produced from organic materials through pyrolysis, is gaining attention for its potential to improve soil health and sequester carbon. By amending agricultural waste into biochar, farmers can enhance soil fertility, increase water retention, and reduce the need for chemical fertilizers, besides acting as a long-term carbon sink. Biochar's porous structure allows it to capture and store significant amounts of carbon, thereby reducing greenhouse gas emissions. The seminar will delve into the latest research on biochar production techniques, its application in various soil types, and its long-term benefits for sustainable agriculture. Discussions will focus on how biochar can be integrated into existing farming practices to create a more resilient and productive agricultural system. Carbon sequestration practices, on the other hand, contribute to capturing atmospheric CO₂ and storing it in soil and biomass, thereby aiding in the reduction of global carbon footprint. Carbon sequestration captures and stores atmospheric CO₂ in soils, plants, and other carbon sinks. Agricultural practices like agro-forestry, cover cropping, no-till farming, and improved pasture management play a key role in this process, reducing CO₂ levels and enhancing soil health. The seminar will discuss the latest advancements in carbon sequestration techniques, soil carbon dynamics, and practical guidelines for farmers. Topics include conservation agriculture, legume-based systems, & integrated nutrient management, highlighting carbon sequestration's potential to transform agricultural landscapes into sustainable carbon sinks. Carbon credits incentivize reducing greenhouse gas emissions through market-based systems. Agricultural stakeholders can earn and trade credits by adopting practices that reduce emissions or enhance carbon sequestration, offering financial benefits. The seminar will cover carbon credit mechanisms, verification, certification, and the economic advantages for farmers. Discussions will focus on the carbon markets in environmental stewardship, the Clean Development Mechanism (CDM) for aiding poor farmers, and navigating these markets. Case studies of successful carbon credit projects in agriculture will be presented, offering valuable insights and lessons learned.

The seminar will explore integrating biochar, carbon sequestration and carbon credits into agriculture for a carbon-neutral future. By outlining these strategies, farmers can enhance soil health, increase productivity and reduce their carbon footprint. It will feature keynote speeches, technical sessions and workshops, fostering collaboration and knowledge exchange. Attendees can network with experts, share experiences, and discuss challenges and opportunities in adopting these practices. The seminar on "Integrating Biochar Production, Carbon Sequestration and Carbon Trading for Carbon Neutral Farming" is a crucial platform for advancing sustainable agriculture. By focusing on innovative strategies to reduce greenhouse gas emissions and enhance carbon storage, the event aims to pave the way for a more resilient and environmentally sustainable agricultural sector. We invite all stakeholders committed to sustainable agriculture to join us in this important dialogue and contribute to a carbon-neutral future. The forthcoming national seminar is being organized to honour the establishment of the "Dr. S.V. Patil Foundation for Research and Training for Farmers Welfare" dedicated to the memory of the renowned agricultural scientist Dr. S. V. Patil.

THEMES

- PRODUCTION TECHNIQUES OF BIOCHAR:** Production of quality biochar; feedstock sources; scaling and economics.
- INNOVATIVE APPLICATIONS FOR BIOCHAR UTILIZATION:** Application and benefits of biochar in food production systems; Biochar based fertilizers; Impact on Soil Health; Soil biodiversity; Production economics
- REGENERATIVE AGRICULTURE:** C sequestration in agricultural ecosystems; Agro-forestry systems; Conservation Agriculture; Clean Development Mechanism.
- CARBON CREDITS AND MARKET MECHANISMS:** Carbon credits & incentives; Eligibility Guidelines & Policy Issues; Carbon trading and markets; Trading mechanisms; Networking and discovering new market opportunities; Success stories and lessons learned from agricultural carbon credit projects.
- CARBON NEUTRAL FARMING SYSTEMS:** Agricultural production systems for carbon sequestration; Nutrient cycling; Agro-ecological Farming; Organic and Natural Farming.

ABOUT UNIVERSITY OF AGRICULTURAL SCIENCES DHARWAD

The University of Agricultural Sciences, Dharwad established on 1st October, 1986 has earned reputation for being the farmers' University has been striving to keep pace with frontiers science to overcome the contemporary challenges of social, economic and technical relevance. The University has 5 Colleges, 27 Research Stations, 8 Agriculture Extension Education Centers, 6 In-Service Nigam Karnataka and ATC. The University has jurisdiction over 7 districts in Northern Karnataka. Greater diversity exists in soil types, climate, topography, cropping and farming situations. The jurisdiction includes irrigated/semi-irrigated areas to high rainfall areas and fully irrigated and irrigated command areas of Upper Krishna, Godavari and Malaprabha important crops of the region include sorghum, cotton, rice, pulses, chilli, sugarcane, groundnut, sunflower, wheat, cauliflower, etc. The region is also known for many horticultural crops. Considerable progress has been registered in the field of education, research and extension from the University. University hosts several Institutes of Organic Farming, Dharwad seed model, Institute of Biotechnology, Ag-Business Knowledge Centre, RKV, RAFTAI (AB), World Bank funded MAHEE, IIP and Centre of Excellence in smart farming.

ABOUT DHARWAD

The University head quarter is located in Northern Transitional Zone of Karnataka, known for its cool and pleasant climate and highly rich in vegetation with different flora and fauna which creates an ideal atmosphere for academic and agricultural research activities. It is on the Pune-Bangalore National Highway 4 having very good road connectivity. Dharmad Dharwad, a head quarter of South Western Railway zone is having very good train connectivity to major cities of the country. The nearest airport is Hubballi which is 20 kms away from University head quarters and other airports are Belgaum (80 kms) and Goa (185 kms). The weather during June will be a very pleasant and comfortable for day 25 to 30°C during day and 18 to 22°C at night. Hubli-Dharwad have close air connect as education hubs of Karnataka. The well developed four-lane highway, RT and HT. The city is well known for Dharwad Pattha which attained GI tag.

VENUE: Farmers Knowledge Centre, University of Agricultural Sciences, Krishnagar, P.B. Road, Dharwad - 580 005, Karnataka - IN

Brochure of National Seminar on Integrating Biochar production, carbon sequestration and carbon trading for carbon neutral farming



The activities in progress during 2025-26

1. The modalities to conduct the short course on AI skilling for agricultural students and scientists finalized. The Hon'ble Vice Chancellor is kind enough to nominate Dr. S. Rajakumar, Professor of Agronomy as Course Director to conduct the course in co-ordination with the Foundation and Learning Path. Decided to send the brochure for wider circulation and invite the candidates for admitting to the course. The course will be initiated with two batches, one batch of thirty for students and another batch of 20 for teachers and scientists. It was decided to sponsor students by 50 per cent of course fees (Rs.5999 + GST) from the foundation and for the teachers the committee requested the university to make provision to sponsor from their projects or university. The Hon'ble vice chancellor also kind enough to provide the multi user METLAB software will be purchased from the College of Agriculture, Dharwad and will be provided for use to the AI Skilling for Agricultural course organized by the foundation. The University is also providing all support to organise the course as it benefits the staff and students at large.
2. The recommendation of the two national seminars organised during 2024 and 2025 has been compiled by the Organising Secretaries of both the seminars, Dr. H. B. Babalad and Dr. Aravind kumar and sent to the Govt. for policy decisions of Department of Agriculture, Govt. of Karnataka. Dr. V. S. Korikantimath reviewed the proceedings of Biochar seminar.
3. It was also decided to find out feasibility of the Bio-char production by using the water hyacinth removed by Kelageri tank, once the tender for the removal is given. It was decided to initially dry the water hyacinth on the banks of the tank and later it will be transported to UAS, campus where bio-char will be produced. The budget of rupees one lakh is earmarked for production of bio-char from the foundation. It was decided to publish the full-length papers of National Seminar on Biochar. Dr. Aravind Kumar Organising Secretary has given the responsibility to contact the speakers and get the papers. He can take the assistance of Dr. V. C. Patil and others to bring out the publication as early as possible.



4. The translation of crop Darpan App for cotton, chilli and paddy in to local language Kannada for the benefit of farmers of Karnataka, Hon'ble Vice Chancellor suggested to check with already developed e-SAP: A Novel IT application in crop health management by UAS, Raichur and UAS, Dharwad and how it is different from Darpan app. If it is useful than the task can be taken up and decided to give to experts in Kannada language for its translation and put to use by the farmers. Further, Dr. V. C. Patil informed the EC that, he will discuss with Dr. Krishna Reddy regarding honorarium to be fixed for its translation, based on this it will be circulated to EC and approval will be taken for quick implementation as it is possible with symptomatic based recommendations for crop nutrition and plant protection for the benefit of farmers.
5. It was decided to organise the fourth National Seminar with the theme on AI in Agriculture jointly by Dr. S. V. Patil Foundation, INSAIT, and UAS, Dharwad coinciding with the fourth foundation day of Dr. S. V. Patil Foundation.



Inaugural Ceremony of Dr. S. V. Patil, 3rd Foundation Day Lecture



University of Agricultural Sciences, Dharwad, Karnataka