

RESUME

Sachin Channappa Hallad

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CAREER OBJECTIVE:

To Gain Knowledge and Skills to Perform Research and Development in the Field of Renewable Energy Engineering.

ACADEMIC CREDENTIALS:

DEGREE	BOARD/ UNIVERSITY	COLLEGE	YEAR OF PASSING	OGPA
PhD	Maharana Prathap University of Agriculture and Technology	College of Technology and Engineering (CTAE), Udaipur, Rajasthan	Pursing	8.48
M.Tech	Maharana Prathap University of Agriculture and Technology	College of Technology and Engineering (CTAE), Udaipur, Rajasthan	2023	8.75
B. Tech (Agril.Engg.)	University of Agricultural Sciences, Raichur, Karnataka	College of Agricultural Engineering (CAE), Raichur, Karnataka	2021	8.513
12 th	Pre-University Board	SBR PU College, Gulbarga, Karnataka	2016	78%
10th	Board of Secondary Education	Appa Public School, Gulbarga, Karnataka	2014	8.8

Ph. D PROJECT:

- PROJECT TITLE** : Development of Lithium-ion Battery Using Activated Carbon Derived from Agricultural Crop Residues

M TECH PROJECT:

- **PROJECT TITLE** : Investigation on Ash Fusion Characterisation of Different Biomass During Combustion

B TECH PROJECT:

- **PROJECT TITLE** : Studies on Variability of Rainfall over North-Eastern Dry Zone of Karnataka

TRAINING/ INTERNSHIP PROGRAMS:

Name of Training/Workshop	Agency/ Institute	Training period	Year
Skill Development Training-I	BIMUL (Bijapur & Bagalkot Dist. Cooperative Milk Producers Societies Union Ltd.)	Two weeks	2019
Tractor Training	Northern Region Farm Machinery Training and Testing Institute, Hisar, Haryana.	24 days	2021
IT Applications in Precision Irrigation Scheduling	National Agricultural higher education project of ICAR, New Delhi, Center for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM), MPKV, Rahuri, Maharashtra.	Three Weeks	2021
Agri Skill India	ICAR-Indian Institute of Maize Research, Punjab and Hindustan Agricultural Research Welfare Society (HARWS), Agra.	21 days	2023
International Training cum Workshop Program	Just Agriculture Education Group and AEEFWS	15 days	2023
Winter school training program- Krishi Manthan	Utkarsh PDKV- Agribusiness Incubation Centre, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra.	One Month	2024

PUBLICATIONS DETAILS:

Publication	Name of Publication	Authors	Year of publication	Journal / Publisher
Research article	Studies on Variability of Rainfall over North-Eastern Dry Zone of Karnataka: A Statistical Analysis	Sachin C. Hallad , Ravikant, Prabhu, G. V. Srinivasa Reddy, Kavan Kumar V., Dayanand Kumbar and Ramappa	2023	International Journal of Environment and Climate Change
Research article	Thermogravimetric pyrolysis investigation of pistachio shell for its potential of thermal properties, kinetics and thermodynamics	V. Kavan Kumar, Sachin C. Hallad , N. L. Panwar	2024	Discover Energy
Research article	View of A Study on Dimensional Variations in Commercial Cultivator Tines and Reversible Shovels in Comparison to Bureau of Indian Standards Norms	Aruna T N, Sachin C Hallad , Ramappa, Bharath Kumar K, Kavan Kumar V, G. S. Tiwari, Soumya Krishnan V, Kishan Kumar and Avesh Kumar Singh	2024	Journal of Scientific Research and Reports
Research article	Energy Consumption Pattern in Irrigated Paddy Cultivation in Thiruvanamalai District of Tamil Nadu A Case Study	Soumya Krishnan V, Aruna T. N, Seelam Jayakrishna, Kishan Kumar, Ramappa, Sachin C Hallad , Bharath Kumar K, Kavan Kumar V and Avesh Kumar Singh	2024	Journal of Experimental Agriculture International
Research article	Assessment of Mechanization Index of Sugarcane Cultivation in Mandya District, Karnataka, India	Aruna T N, Bharath Kumar K, Ramappa, Sachin C Hallad , Kavan Kumar V, Kishan Kumar, Avesh Kumar Singh and Soumya Krishnan V	2024	Archives of Current Research International

Research article	Standardization of Vacuum frying techniques for the development of low-fat beetroot finger chips	D. Ramappa, Kavan Kumar V, Mohith Kumar G.V, V. Kumargouda, Sachin C. Hallad , T.N. Aruna, Y. Ravi, P. Murali	2024	Food and Humanity
Research article	Exploring ash fusion characteristics and thermal decomposition of biomass through thermogravimetric analysis	Sachin Channappa Hallad , N. L. Panwar, V. Kavan Kumar	2025	Sustainable Energy Research
Book Chapter	Promoting Circular Economy: Implementation Principles in the Tannery Sector	Sachin Channappa Hallad , V. Kavan Kumar, R. Mahendiran, N. L. Panwar	2025	Springer (Under process)
Book Chapter	Different pretreatment technologies in lignocellulosic biomass conversion	Sachin Channappa Hallad , Vijaykumar Palled	2025	NIPHA (Under process)

Membership Association:

- Indian society of agriculture engineers (LM-12770)

Conferences:

- Abstract Published entitled “**Ash Fusion Characterisation of Biomass for Different Thermal Applications**” in **6th International Conference held on entitle “Strategies and Challenges in Agricultural and Life Science for Food Security and Sustainable Environment (SCALFE-2023)”** during April 28-30, 2023 at Himachal Pradesh University, Summer Hill, Shimla, HP, India.
- Abstract Published entitled “**Thermogravimetric Analysis for Thermal Decomposition and Kinetic Parameters of Biomass**” in **5th International Conference on “Climate Change and its Impact (CCI-2023)”** during June 09-11, 2023 at Srinagar.
- Participated in **57th Annual Convention of Indian Society of Agricultural Engineers (ISAE)** on “Agri-Food systems’ Transformation through Engineering Innovations” and “International Symposium on Engineering Interventions for Making Millets a Global Food” scheduled to be held during 6th to 8th November 2023 at UAS, Raichur, Karnataka (India).
- Abstract Published Titled “**Biochar Applications in Electrochemical Storage System**” in 1st International Agricultural Conference Proceedings on “Natural vs

Organic Farming: In Context to Bhartiya Agriculture” held in hybrid mode from 24.12.2023 to 26.12.2023.

- Abstract Published entitled “**Biomass for sustainable bioeconomy: An overview of world biomass production and utilization**” in International Conference Proceedings on “Material Science Technology and Sustainable Environment” held in hybrid mode on 18-19 April 2024.
- Abstract Published with poster presentation entitled “**Renewable Energy Sources as a Future of Lithium-ion Battery**” in 6th International Conference on “**Cutting-Edge Solutions in Science-Agriculture, Technology, Engineering and Humanities (CSATEH-2024)**” held in hybrid mode on 24-26 August 2024 at Nainital, Uttarakhand.

Awards and Recognition:

- **ICAR-PG Scholarship** (erstwhile JRF) December 2021
- Received “Best Poster Award” on “**Investigating Ash Fusion Properties and Thermal Decomposition of different biomass through Thermogravimetric Analysis**” in **57th Annual Convention of Indian Society of Agricultural Engineers (ISAE)** on “Agri-Food systems’ Transformation through Engineering Innovations” and “International Symposium on Engineering Interventions for Making Millets a Global Food” scheduled to be held during 6th to 8th November 2023 at UAS, Raichur, Karnataka (India).
- **University Gold Medal** for Master of Technology (Agricultural Engineering)-Renewable Energy Engineering held in 2022-23 with OGPA 8.75

Reference:

Dr. N. L. Panwar
(Professor and Head)
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Area of Interest:

- Thermo-chemical conversion, Ash Fusion Analysis, Biochar Applications, Carbon Analysis, Electrochemical storage devices

Personal Profile:

Name : SACHIN CHANNAPPA HALLAD
Father’s name : Sri. CHANNAPPA
Mother’s name : Smt. KANYAKUMARI
Date of birth : 01/06/1998
Marital status : Unmarried

Languages known : Kannada, English and Hindi.



Sachin Channappa Hallad