## Faculty Profile

### Basic Information:



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| NAME | : | **Dr. C. SUDHARSHANA** |
| DESIGNATION | : | **Assistant Professor** |
| DEPARTMENT | : | **Soil Science and Agril. Chemistry** |
| DATE OF BIRTH | : | **23-01-1988** |
| DATE OF JOINING | : | **26-09-2025** |
| EMAIL ID | : | **sudi.gc@gmail.com** |
| EMPLOYEE ID: | | **:2316** |

### Academic Profile:

| Qualification | Name of the Board/University | YEAR |
|---|---|---|
| B.Sc.(Agri.) | University of Agricultural Sciences, Bengaluru | 2010 |
| M.Sc.(Agri.) | Acharya NG Ranga Agricultural University, Hyderabad | 2012 |
| Ph.D. | University of Agricultural Sciences, Raichur | 2017 |

### Research Details:

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| 1. Areas of Specialization | : | Soil Fertility, Pedology and Remote Sensing And GIS |
| 2. No. of Publications | : | 16 papers, 10 abstracts, 1 book chapter, 1 TV talk and 4 popular articles |
| 3. Awards Received | : | 1. Best poster (2016)<br>2. Young scientist (2017)<br>3. Excellence in Research (2018)<br>4. Best doctoral thesis Award (2018) |
| 4. Research Guidance | | |
| | No. of PhD Guided: | Nil. |
| | No. of MTech. Guided: | 03 (As Member for PG students ) |
| | No. of B.Tech. Guided: | Nil. |
| 5. Details of Professional Membership: | | A Member for REST Society for Research International, Kaveripattanam,TN |

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| 6. Subjects Taught | : | **for UG and Diploma Students**<br>1.Fundamentals of soil science<br>2. Soil fertility and Nutrient management<br>3. Problematic soils and their management<br>4.Soil technological studies for agriculture<br>5.Soil Genesis and classification<br>**for PG and Ph.D. Students**<br>1.Remote sensing and GIS in agriculture<br>2.Basic laboratory techniques |

## Publication Details:

| Full Length Papers | | |
|---|---|---|
| **Title** | **Publisher** | **Published Year** |
| Land Inventorization at Tardi-Babhlaj Villages of Shirpur Taluka Maharashtra State using RS and GIS. | International Journal of Environment and Climate Change,11(12), 331-343. | 2021 |
| Assessment of land degradation of Malhar1 Micro watershed using RS and GIS Techniques | Bulletin of environment, pharmacology and life sciences. 6(Special 3) | 2017 |
| Assessment of land degradation of Kolur Micro watershed using RS and GIS Techniques | Progressive *Research -An International Journal* 11(Special IX) | 2016 |
| Persistence of Pendimethalin and Imazethapyr in soil and their effect on yield, soil properties in groundnut (Arachis hypogaea L.), | Progressive *Research -An International Journal* 9(1) | 2014 |
| Influence of bispyribac sodium on soil properties and persistence in soil, plant and grain in direct seeded rice, | *Ecology Environment & Conservation*. 20 (2) | 2014 |
| Effect of Pendimethalin and Imazethapyr on plant nitrogen, nodulation and soil properties in groundnut (Arachis hypogaea L.) | *Ecology, Environment & Conservation*. 20 (2) | 2014 |
| Effect of Pendimethalin and Imazethapyr on yield and soil properties in Groundnut (Arachis hypogaea L.) | *Ecology, Environment & Conservation*. 20 (2) | 2014 |
| Combined influence of irrigation levels and nitrogen application on yield of sweet corn hybrid, | *Ecology Environment & Conservation*. 20 (2): | 2014 |
| Effect of Pendimethalin and Imazethapyr on Nod- ulation, Nitrogen Fixation and Nitrogenase Activity and Yield in Groundnut (Arachis Hypogaea L.), | *International Journal of Bio-resource and Stress Management* 4(2) special | 2013 |

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|---|---|---|
| Persistence and Phyto-toxic effect of Imazethapyr and Pendimethalin in Groundnut (Arachis Hypogaea L.), | *International Journal of Tropical Agriculture* 31(3-4) | 2013 |
| Assessment and mapping of ground water quality of southern parts of Bhadravati town in Shivamogga district, Karnataka, India using GIS techniques | International Journal of Chemical Studies. 6(3) | 2018 |
| Vertical distribution of chemical qualities of an alfisol under rain fed conservational and conventional agriculture systems | International Journal of Chemical Studies. 6(2) | 2018 |
| Short term effect of conservational agriculture on fertility of rainfed sandy loam shallow alfisol. | Bulletin of environment, pharmacology and life sciences. 6(Special 3) | 2017 |
| Detailed LRI for crop suitability and land capability classification using RS and GIS | Progressive *Research -An International Journal* 11(1) | 2016 |
| weed shifts and weed dynamics in conservation agricultural systems | Progressive *Research -An International Journal* 9(Special): | 2014 |
| Effect of fly ash and sewage sludge on yield and soil properties in soybean sunflower sequence cropping, | *National conference on beneficial use of fly ash in construction industry and Agriculture*, | 2014 |

**ABSTRACTS**

| **Title** | **Publisher** | **Published Year** |
|---|---|---|
| Remote sensing based detailed land resource inventory of Kolur microwatershed for land evaluation | *International conference on "integrated land use planning for smart agriculture - An agenda for sustainable land management". November 10-13, 2016, held at Nagpur, India.* | 2016 |
| Characterization, classification and mapping of Malhar1 micro watershed using remote sensing and GIS. | *International conference on "integrated land use planning for smart agriculture - An agenda for sustainable land management". November 10-13, 2016, held at Nagpur, India.* | 2016 |

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|---|---|---|
| Assessment of land degradation of Kolur Micro watershed using RS and GIS Techniques | *National conference on Innovative and current advances in agriculture and allied sciences, 10-11 December 2016held at PJTSAU, Hyderabad* | 2016 |
| Effect of Imazethapyr and Pendimethalin on nitrogen fixing ability and plant growth parameters in Groundnut | *Proceedings of* "**20th world congress of soil science**" held at Jeju, South Korea, June 8-13,2014 | 2014 |
| Effect of Imazethapyr and Pendimethalin in Groundnut on Nodulation and Yield in Groundnut, | Biennial conference of Indian society of weed science on "***Emerging challenges in weed management***" February 15-17, 2014, held at Jabalpur, MP. | 2014 |
| Persistence of Pendimethalin and Imazethapyr in soil and their effect on yield, soil properties in groundnut (*Arachis hypogaea* L.), | National conference on *emerging trends and recent advances in applied sciences: basic molecular approaches* (EPRAAS 2014), February 08-09, 2014, held at Meerut. | 2014 |
| Effect of Pendimethalin and Imazethapyr on Nod- ulation, Nitrogen Fixation and Yield in Groundnut (*Arachis Hypogaea* L.), | Biennial conference of Indian society of weed science on "***Weeds threat to agriculture, biodiversity and environment***" April 19-20, 2012, held at Thrissur, Kerala P 232. | 2012 |
| Persistence pattern of three pre emergence herbicides in maize grown on Alfisols in Andra Pradesh, | Biennial conference of Indian society of weed science on "*weeds threat to agriculture, biodiversity and environment*" April 19-20, 2012, held at Thrissur, Kerala P 231. | 2012 |
| Geospatial Techniques based detailed land resource inventorization for crop suitability and land capability classification, | *International conference on I technologies*, Feb 01-05, 2016.held at Bangkok, Thailand | 2016 |
| Solid waste management in agriculture, | *National conference on beneficial use of fly ash in construction industry and Agriculture*, may 23-24, 2014. | 2014 |

| BOOK CHAPTERS | | |
|---|---|---|
| **Title** | **Publisher** | **Published Year** |
| Remote sensing and GIS to Combat Climate change in semi-arid tropics | Compendium of Winter school on Climate smart agriculture, 16th nov – 6th dec 2015, P 249-256. | 2015 |
| **POPULAR ARTICLES** | | |
| **Title** | **Publisher** | **Published Year** |
| Herbicide Persistence and Herbicide Degradation Process. | Agribios News Letter | 2013 |
| Hard Setting in Soils. | Agribios News Letter | 2012 |
| International year of soils | Krishi Pradeepike (Kannada magazine), 2(1):1-2.University magazine , UAS Raichur | 2015 |
| Importance of soil and water testing in maintaining soil health | mannu manikya smarana sanchike (Kannada magazine) p42-47 Special issue for International Year of Soils 2015 published by UHS Bagalkot | 2015 |
| **TV TALK** | | |
| Importance of soil health card | Doordharshan, Chandana TV broadcasted on 26-12-2018 | 2018 |