Name Dr. Chandrakala, M.
Date of birth 10.07.1984
Designation Scientist (Senior scale)
Qualification M.Sc (Agri)., Ph.D. (Soil Science and Agricultural Chemistry)
Email id chandra.ssac@gmail.com Chandrakala.M@icar.gov.in

Educational Qualifications:

1. Pre-university. Science (PCMB) from Govt. Woman's college, Mandya
2. BSc. (Agri) from Collage of Agriculture, VC farm, Mandya, UAS, Bangalore
3. MSc. (Agri) from University of Agricultural Sciences, Dharwad
4. PhD. In Soil Science and Agricultural Chemistry, University of Agricultural Sciences, Bangalore
5. Computer course, E-office, from Manipal Institute of Computer Education, Dharwad

Professional Experience

1. Scientist at NAARM, Hyderabad from 2nd July 2012 to September 29th 2012
2. Scientist at NBSS&LUP, Nagpur from October 10th 2012 to 28th February 2013
3. Scientist at NBSS&LUP, RC, Bangalore from 1st March 2013 to till date

Research Areas

1. Masters degree research is on 'organic farming'
2. Doctoral degree research is on 'revalidation of soil fertility ratings in eastern dry zone of Karnataka'
3. Professional attachment training research in on 'erosion induced impact on soil productivity'
4. Research areas in NBSS&LUP is on 'Land Resources Inventorization in southern Indian states particularly on Soil survey and land use planning using Geographical Information System and Remote Sensing' (mapping of soil and land resources)

International Experience:

1. Reviewer to the international journals Agroforestry Systems- Springer, Agro-science and journal of agricultural and biological engineering

Awards

1. National chintana science student award (8th rank in National chintana science exam) at high school, 1999
2. University of Agricultural Sciences, Dharwad Merit fellowship for MSc (Agri), 2006-2008
3. ICAR-Senior Research Fellowship for PhD, 2010
4. South Zone and Commendation award for Best doctoral research presentation by Indian Society of Soil Science, 2015.
5. Best Poster presentation award at National Conference by Soil Conservation Society of India and IISWC, 201
6. Certificate of excellence in reviewing awarded, 2020
7. Best article award, 2020
8. Gold Medal Award by registered societies**-** 2

Honours/Recognitions

1. Received an invitation as invited key speaker for the research topic "Assessment of soil quality and productivity in different phases of soil erosion with the focus on land degradation neutrality in tropical humid region of India" for the International Conference on Environmental Science & Green Energy" at Hampton by Hilton Paris Clichy, Paris, France, 2021.
2. Delivered Interview/talk in E-TV Bharath news, during Indian Science Congress, 2020
3. Thesis evaluation done for master degree student- 2
4. Undergone trainings on soil survey and mapping, international training on crop modelling, remote sensing, Statistical Development for Data Analytics in Agricultural Experimentation and SOP-based landform mapping and soil sampling strategy for land resource inventory.
5. Delivered lecture to trainees in different trainings (Kerala soil survey officers, Karnataka state horticulture officers, trainees from different states of India and to few farmers from Yadgir district).

Ten Best Research Papers along with NAAS Rating-2022

S.No	Publication	NAAS Rating
1.	**Chandrakala M.,** Bhoora Prasad, Niranjana K.V, Sujatha K, Rajendra Hegde, and P. Chandran, 2021, Application of Soil Fertility Capability Classification (FCC) in Dry Semi-Arid Land of South Telangana Plateau, Andhra Pradesh, *Communications In Soil Science And Plant Analysis*,52(2):161-171. https://doi.org/10.1080/00103624.2020.1854291.	7.33
2.	Debashis Mandal, **M. Chandrakala***, Alam, N.M., Trisha Roy and Uday Mandal, 2021, Assessment of soil quality and productivity in different phases of soil erosion with the focus on land degradation neutrality in tropical humid region of India". Catena, 204, https://doi.org/10.1016/j.catena.2021.105440. (*Corresponding author)	11.20
3.	**Chandrakala M.,** Srinivasan, R., Bhoora Prasad, Niranjana K.V, Sujatha K, Rajendra Hegde, P. Chandran, B.S. Dwivedi & Sunil P. Maske, 2022, Land Suitability Evaluation for Pigeon Pea in Semiarid Land, South Telangana Plateau, India, Using GIS, Remote Sensing and Detailed Survey, Communications in Soil Science and Plant Analysis, 53:6, 675-687, DOI: 10.1080/00103624.2022.2028807.	7.33
4.	R. Srinivasan, K. S. Karthika, S. Amar Suputhra, **M. Chandrakala,** Rajendra Hegde, 2021, Mapping of Soil erosion and Probability Zones using Remote Sensing and GIS in Arid part of South Deccan Plateau, India, Journal of the Indian Society of Remote Sensing, https://doi.org/10.1007/s12524-021-01396-5. Springer.	7.56
5.	V. Ramamurthy, D. Mamatha, K.V. Niranjan, R. Vasundhara, K. Ranjitha, **M. Chandrakala,** S.K. Singh, 2020, Suitability evaluation for pigeon pea in southern transition zone of Karnataka Plateau, India, Legume Research- An International Journal, 43(6): 812-818.	6.59
6.	**Chandrakala, M.,** Bhoora Prasad, Niranjana K.V., Srinivasan, R., Sujatha, K., Basavaraj, B., Sunil P. Maske, Rajendra Hegde and Dwivedi B.S., 2022, "Paddy lands of south Telangana plateau (Rayalseema), Andhra Pradesh, India: A detailed assessment", Indian Journal of Soil Conservation. 50(1).	5.28
7.	**Chandrakala M.,** Anil kumar K.S. and Sujatha K., 2022, Soil heterogeneity: A comparative assessment of soils from two different AESR, southern India, Annals of Plant and Soil Research 24(1): 29-35, https://doi.org/10.47815/apsr.2021.10119.	5.22
8.	**M. Chandrakala,** M. Ramesh, K. Sujatha, Rajendra Hegde and S. K. Singh, 2018; Soil Fertility Evaluation under Different Land Use System in Tropical Humid Region of Kerala, India, International Journal of Plant & Soil Science, 24(4): 1-13, Article no.IJPSS.40099 ISSN: 2320-7035.	5.07
9.	**M. Chandrakala,** R. Srinivasan, K. S. Anil Kumar, K. Sujatha, M. Ramesh, Rajendra Hegde, S. K. Singh and H. R. Nirmala, 2018, Characterization and classification of rubber growing soils of Kerala, , India, *Current Journal of Applied Science and Technology*, 32(1):1-12	4.71
10.	**M. Chandrakala**, R. Srinivasan, K. S. Anil Kumar, K. Sujatha, Rajendra Hegde, S. K. Singh and H. R. Nirmala, *2019*, Land Suitability Evaluation for Rubber in the Tropical Humid Region of Kerala, India, *Current Journal of Applied Science and Technology,35(5): 1-9,; Article no.CJAST.44650 ISSN: 2457-1024.*	4.71

Total Publications (Peer-reviewed journals only)

International: 17; National: 09;

Abstracts published: 32; Book chapter: 03: Research bulletins: 02; E-publications: 10

Google Scholar link: https://scholar.google.com/citations?hl=en&user=2Mitwy0AAAAJ

Research Gate link: https://www.researchgate.net/profile/Chandrakala-Marigowda