

Name	DR. SUNIL P MASKE	
Date of birth	25/06/1973	
Designation	Senior Scientist	
Qualification	Ph.D (Hydrology)	
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Educational Qualifications		
• Ph.D (Hydrology), IIT, Roorkee (2013) • M.Tech (Soil & Water Cons. Engg.), IIT, Kharagpur (1997) • B. Tech (Agricultural Engg.) CAET, PKV, Akola (1995)		
Professional Experience		
• Senior Scientist (RGP-8000) (2018 to till date)) • Scientist (RGP-7000) (2007-2018) • Scientist (2001 to 2007)		
Research Areas		
• Soil water conservation structures design • Hydrology • Soil physics • Soil loss estimation and modelling		
International Experience – Nil		
Honours/Recognitions _ Nil		
1. Sunil P. Maske and M. K. Jain. 2013. Study on effect of surface roughness on overland flow from different geometric surfaces through numerical simulations. Hydrologic Processes. Published online 19 April 2013 in Wiley Online Library. (wileyonlinelibrary.com) DOI: 10.1002/hyp.9773 (NAAS Rating 8.9). 2. Kumar, S.C., Bhaskar, B.P., Ramamurthy, V., Srinivas, S., Rajendra Hegde, Maske, S. P. and Singh, S.K.2017. Indigenous knowledge of soilhealth and fertility management in Garakahalli micro watershed of Ramanagar district, Karnataka. International Journal of plant and soil science.17(6):1-13. (NAAS Rating 5.07). 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. (NAAS Rating 7.4). 4. 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):1-9. (NAAS Rating 4.63). 5. R. Srinivasan , S. Mukhopadhyay, Sunil Muske and S. K. Singh 2022. Assessment of Soil Erosion Using Large-scale Soil Information and GIS in Utkal Coastal Plain, Odisha. International Journal of Bio-resource and Stress Management, 13(2):187- 196, (NAAS Rating 5.40).		

6. Deepak Jhahria, Brijesh K. Yadav, Sunil Maske, Surajit Chattopadhyay and Anil K. Kar. 2012. Identification of trends in rainfall, rainy days and 24 h maximum rainfall over subtropical Assam in Northeast India. C.R. Geoscience: 344, 1-13.
7. Maske, S.P., Anilkumar, K.S., Hegde Rajendra, Rameshkumar, S.C., Srinivas, S. and Naidu, L.G.K. 2012. Rainfall probability analysis for crop planning – A case study of Kuthinagere microwatershed. Mysore J. Agric. Sci., 46(3): 683-686. (**NAAS Rating 4.63**).
8. Sunil maske, Anil Kumar, K.S., K.M.Nair, Rajendra Hegde, S. Srinivas, K. Sujatha and B.P. Bhaskar 2019. Estimation of Soil loss in Rubber (*Hevea brasiliensis*) growing areas of Kerala and Karnataka, India. International journal of chemical studies. Ref: Chemi-7-6-2907-2914.
9. Sunil Maske, Rajendra Hegde, Niranjana, K.V., Srinivas, S., Sujatha, K. and B.P. Bhaskar 2020. Soil erosion risk assessment using Corine model – A case study from Harve 1 micro watershed, Central Karnataka Plateau, India. Indian J. Plant Soil 7(2) 49 – 60. (**NAAS Rating 5.07**).
10. Bhaskar , B.P., Sunil Maske, S.C. Ramesh Kumar, S. Srinivas and Rajendra Hegde.2018. Agropedological Approach for Rural Land Use Planning – A Case Study from Lagadwal Village, Dhule District, Maharashtra, India. Int.J. Curr. Microbiol. App.Sci . 7(2): 2528-2541.
11. Srinivasan, R., **Maske, S.P.**, Archana, K.V. Ramamurthy, V. and Bhaskar, B. P. (2024). Assessment and Mapping of Soils Erosion and Crop Loss by Impact of Heavy Rainfall in Northern Dry Zone of Karnataka, India. *Journal of the Indian Society of Remote Sensing*, 52, 593–607. <https://doi.org/10.1007/s12524-024-01840-2> (**NAAS Rating 8.5**).
12. Saha, K., Kumar, K.S.A., Nair, K.M., Lalitha, M., Parinita Das., **Maske, S.P.**, James Jacob, P., Jessy, M.D., Karthika, K.S., Ramamurthy, V. and Patil, N.G. (2024). Evaluating soil quality and carbon storage in Western Ghats Forests, Karnataka, India, for sustainable forest management. *Environmental Monitoring and Assessment* 196, 1072. <https://doi.org/10.1007/s10661-024-13216-7> (**NAAS rating: 9.0**).
13. Chandrakala, M., **Maske, S.P.**, Karthika, K.S., Sheela Rani, S., Niranjana, K.V., Srinivasan, R., Ramesh Kumar, S.C., Bhaskar, B.P., Ramamurthy, V. and Patil. N.G. 2023. An evaluation of mango cultivation soils and identification of potentially suitable lands upon conversion of agricultural crop land to mango plantations in semi-arid land of south Telangana plateau, Andhra Pradesh. *Indian Journal of Soil Conservation* 51 (2):132-143. DOI: 10.59797/ijsc.v51.i2.129. (**NAAS Rating 4.63**).
14. Chandrakala, M., Chakraborty, R., Parvathy, S., Seema, K.V., **Maske, Sunil P.**, Ramamurthy, V., Ramesh Kumar, S.C., Kumar, N., Obi Reddy, G.P. 2024. Are the soil properties and organic carbon stocks influenced by different land use systems in tropical semi-arid region, India?. *Indian Journal of Soil Conservation*., 52 (Global Soils Conference - 2024 Special Issue): S46-S55. (**NAAS Rating 4.63**)
15. Chandrakala, M., Maske, S., Anil Kumar, K.S., Parvathy, S., Chakraborty, R., Karthika, K.S., Ramesh Kumar, S.C. and Ramamurthy, V. 2024. Soil erosion estimation and mapping using detailed soil survey and GIS: Need for soil conservation in hilly areas, tropical humid region, India. *Indian J. Soil Cons.*, 52(3): 207-216. (**NAAS Rating 4.63**)

16. Srinivasan, R., Anil Kumar, K.S., Maddileti, N., Maske, S.P., Chandrakala, M., Kalaiselvi, B., Arti Koyal., Parvathy, S., Lalitha, M., Ramesh Kumar, S.C., Ramamurthy, V. and Bhaskar, B.P. (2023). Mapping of Soil Fertility in Paddy-growing Soils of KRP Dam Catchment of Tamil Nadu Using GIS. *Agropedology*, 32 (02), 211-218
doi.org/10.47114/j.agroped.2022.dec6 **(NAAS Rating 4.63)**
17. Srinivasan, R., Mukhopadhyay, S., Sunil Muske. and Singh, S. K. (2022). Assessment of Soil Erosion Using Large-scale Soil Information and GIS in Utkal Coastal Plain, Odisha. *International Journal of Bio-resource and Stress Management*, 13(2):187-196
[HTTPS://DOI.ORG/10.23910/1.2022.2567a](https://doi.org/10.23910/1.2022.2567a). **(NAAS Rating 5.40)**

Total Publications (Peer-reviewed journals only)

International: 9

National: 8

Google Scholar link:

Research Gate link: