Name **Dr. D. Vasu**
Date of birth 07-05-1988
Designation Scientist (Senior scale)
Qualification Ph. D (Soil science)
Email id Vasu.N@icar.gov.in; d.plantdoctor@gmail.com

Educational Qualifications

- Ph.D (Soil science), TNAU, Coimbatore (2016)
- M.Sc (Soil science), ANGRAU, Hyderabad (2011)

Professional Experience

- Scientist - Senior Scale (2017 to till date).
- Scientist (2013 to 2016).

Research Areas

- Soil survey and mapping.
- Soil genesis.
- Soil quality.
- Land degradation.
- Coastal soils.
- Modelling soil carbon storage.

International Experience

Nil

Awards

- ICAR JRF – 2009.
- DST INSPIRE Fellowship – 2011.
- Post Graduate Gold Medal – 2015.
- Ph.D Gold Medal – 2017.
- NBSS & LUP Young Scientist Award 2017 and 2021.

Honours/Recognitions

Editor, Agropedology; Reviewer for the journals Geoderma, Catena, Soil and Tillage Research, Land Degradation & Development, Ecological Indicators, Soil Science and Plant Nutrition, Soil Use Management, Soil Research, Archives of Agronomy and Soil Science, Arabian Journal of Geosciences, and other high impact international and national journals

Ten Best Research Papers along with NAAS Rating-2022

SNo	Publication	NAAS Rating
1.	**Vasu, D***., Singh, S.K., Ray, S.K., Duraisami, V.P., Tiwary, P., Chandran, P., Nimkar, A.M., Anantwar, S.G. 2016. Soil quality index as a tool to evaluate crop productivity in semi-arid Deccan plateau, India. ***Geoderma*** 282, 70-79.	**12.11**
2.	**Vasu, D*.,**Tiwary, G., Sahoo, S., Dash, B., Jangir, A., Naitam, R., Tiwary, P., Karthikeyan, K., Chandran, P. 2021. A minimum data set of soil morphological properties for quantifying soil quality in coastal agroecosystems. ***Catena*** 198, 105042.	**11.20**
3.	**Vasu, D*.,**Karthikeyan, K., Atole, S., Paul, R., Gaikwad, S. S., Humadevi, K., Shabana, S., Neha, G., Roshani, N., Tiwary, P., Chandran, P. 2020. Elucidating the geogenic and pedogenic pathways of formation of soils of Peninsular India – Signatures of past	**11.20**

landscape modifications. ***Catena*** 192, 104591.

4.	**Vasu, D*.,** Srivastava, R., Patil, N.G., Tiwary, P., Chandran, P., Singh, S.K., 2018. A comparative assessment of land suitability evaluation methods for agricultural land use planning at village level. ***Land Use Policy***79, 146-163.	**11.40**
5.	**Vasu, D***., Tiwary, P., Chandran, P., Singh, S.K., Ray, S.K., Butte, P., Parhad, V. 2018. A conceptual model of natural land degradation based on regressive pedogenesis in semi-arid tropical environments. ***Land Degradation & Development***, 29(8), 2554 – 2567.	**10.98**
6.	**Vasu, D***., Singh, S.K., Sahu, N., Tiwary, P., Chandran, P., Duraisami, V.P., Ramamurthy, V., Lalitha, M., Kalaiselvi, B. 2017. Assessment of spatial variability of soil properties using geospatial techniques for farm level nutrient management. ***Soil and Tillage Research***, 169, 25-34.	**11.37**
7.	**Vasu, D*.,** Singh, S.K., Tiwary, P., Sahu, N., Ray, S.K., Butte, P.S., Duraisami, V.P. 2017. Influence of geochemical processes on hydrochemistry and irrigation suitability of groundwater in part of semi-arid Deccan Plateau, India. ***Applied Water Science*** 7,3803–3815.	**9.87**
8.	**Vasu, D***., Singh, S.K., Tiwary, P., Chandran, P., Ray, S.K., Duraisami, V.P. 2017. Pedogenic processes and soil-landform relationships for identification of yield limiting properties. ***Soil Research***, 55(3), 273-284.	**7.99**
9.	Chandran, P., **Vasu, D*.,**Tiwary, P., Karthikeyan, K., Jangir, A., Tiwari, G., Paul, R., Das, K. 2021. Identifying soil quality indicators for two contrasting agro-ecological sub-regions of India. ***Archives of Agronomy and Soil Science***, DOI: 10.1080/03650340.2021.1958319.	**9.09**
10.	Karthikeyan, K., **Vasu, D.,**Tiwary, P., Cunliffe, A.M., Chandran, P., Mariappan, S., Singh, S.K., 2019. Comparison of methods for evaluating the suitbility of vertisols for *Gossypiumhirsutum* (bt cotton) in two contrasting agro-ecological regions. ***Archives of Agronomy and Soil Science*** 65, 968-979.	**9.09**

Total Publications (Peer-reviewed journals only)

International:23

National:13

Google Scholar link:https://scholar.google.co.in/citations?user=8Gbe6KUAAAAJ&hl=en

Research Gate link: https://www.researchgate.net/profile/Duraisamy-Vasu