

# Rangaswamy Madugundu

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

431  
citations

933264

10  
h-index

713332

21  
g-index

27  
all docs

27  
docs citations

27  
times ranked

673  
citing authors

#	ARTICLE	IF	CITATIONS
1	67. Remote sensing estimates of crop water use for improved irrigation water management. , 2021, , .		0
2	Temporal dynamics of above ground biomass of Kaimoor Wildlife Sanctuary, Uttar Pradesh, India: conjunctive use of field and Landsat data. Proceedings of the Indian National Science Academy, 2021, 87, 499.	0.5	1
3	Investigating the response of soil and vegetable crops to poultry and cow manure using ground and satellite data. Saudi Journal of Biological Sciences, 2019, 26, 1392-1399.	1.8	10
4	Employment of GIS techniques to assess the long-term impact of tillage on the soil organic carbon of agricultural fields under hyper-arid conditions. PLoS ONE, 2019, 14, e0212521.	1.1	7
5	Impacts of center pivot irrigation system uniformity on growth of potato crop and residual soil nitrogen. International Journal of Agricultural and Biological Engineering, 2019, 12, 126-131.	0.3	1
6	CART and IDC “ based classification of irrigated agricultural fields using multi-source satellite data. Geocarto International, 2018, 33, 70-88.	1.7	3
7	Characterization of the spatial variability of surface topography and moisture content and its influence on potato crop yield. International Journal of Remote Sensing, 2018, 39, 8572-8590.	1.3	10
8	Utilization of Landsat-8 data for the estimation of carrot and maize crop water footprint under the arid climate of Saudi Arabia. PLoS ONE, 2018, 13, e0192830.	1.1	20
9	Characterization of spatial variability of soil physicochemical properties and its impact on Rhodes grass productivity. Saudi Journal of Biological Sciences, 2017, 24, 421-429.	1.8	17
10	Estimation of gross primary production of irrigated maize using Landsat-8 imagery and Eddy Covariance data. Saudi Journal of Biological Sciences, 2017, 24, 410-420.	1.8	23
11	Temporal dynamics of alfalfa water use efficiency under hyper arid conditions of Saudi Arabia. Advances in Animal Biosciences, 2017, 8, 540-545.	1.0	3
12	Quantification of Agricultural Water Productivity at Field Scale and Its Implication in On-Farm Water Management. Journal of the Indian Society of Remote Sensing, 2017, 45, 643-656.	1.2	2
13	Impact of Soil Firmness and Tillage Depth on Irrigated Maize Silage Performance. Applied Engineering in Agriculture, 2017, 33, 491-498.	0.3	4
14	Performance of the METRIC model in estimating evapotranspiration fluxes over an irrigated field in Saudi Arabia using Landsat-8 images. Hydrology and Earth System Sciences, 2017, 21, 6135-6151.	1.9	42
15	Seasonal dynamics of surface energy fluxes over a center-pivot irrigated cropland in Saudi Arabia. Journal of Environmental Biology, 2017, 38, 743-751.	0.2	7
16	Prediction of Potato Crop Yield Using Precision Agriculture Techniques. PLoS ONE, 2016, 11, e0162219.	1.1	112
17	Evaluation of METRIC-derived ET fluxes over irrigated alfalfa crop in desert conditions using scintillometer measurements. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	6
18	Assessing the Spatial Variability of Alfalfa Yield Using Satellite Imagery and Ground-Based Data. PLoS ONE, 2016, 11, e0157166.	1.1	38

#	ARTICLE	IF	CITATIONS
19	Response of Rhodes grass to variable rate application of irrigation water and fertilizer nitrogen. Pakistan Journal of Agricultural Sciences, 2016, 53, 599-607.	0.1	3
20	Assessing Agricultural Water Productivity in Desert Farming System of Saudi Arabia. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 284-297.	2.3	21
21	IN-SEASON ASSESSMENT OF WHEAT CROP HEALTH USING VEGETATION INDICES BASED ON GROUND MEASURED HYPER SPECTRAL DATA. American Journal of Agricultural and Biological Science, 2014, 9, 138-146.	0.9	5
22	DETECTION OF LAND USE AND LAND COVER CHANGES IN DIRAB REGION OF SAUDI ARABIA USING REMOTELY SENSED IMAGERIES. American Journal of Environmental Sciences, 2014, 10, 8-18.	0.3	20
23	Coherence-based land cover classification in forested areas of Chattisgarh, Central India, using environmental satellite "advanced synthetic aperture radar" data. Journal of Applied Remote Sensing, 2011, 5, 059501.	0.6	20
24	Estimation of LAI and above-ground biomass in deciduous forests: Western Ghats of Karnataka, India. International Journal of Applied Earth Observation and Geoinformation, 2008, 10, 211-219.	1.4	54