

# Vikalp Mishra

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7868687/vikalp-mishra-publications-by-year.pdf>

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12  
papers

81  
citations

6  
h-index

8  
g-index

12  
ext. papers

126  
ext. citations

5  
avg, IF

2.86  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 12 | Analysis of a Short-Term and a Seasonal Precipitation Forecast over Kenya. <i>Atmosphere</i> , <b>2021</b> , 12, 1371  | 2.7 | 0         |
| 11 | Detecting Desert Locust Breeding Grounds: A Satellite-Assisted Modeling Approach. <i>Remote Sensing</i> , <b>2021</b> , 13, 1276   | 5   | 7         |
| 10 | Assimilation of coupled microwave/thermal infrared soil moisture profiles into a crop model for robust maize yield estimates over Southeast United States. <i>European Journal of Agronomy</i> , <b>2021</b> , 123, 126208                         | 5   | 5         |
| 9  | Machine Learning Algorithm for Estimating Surface PM2.5 in Thailand. <i>Aerosol and Air Quality Research</i> , <b>2021</b> , 21, 210105  | 4.6 | 3         |
| 8  | Evaluating the impacts of drought on rice productivity over Cambodia in the Lower Mekong Basin. <i>Journal of Hydrology</i> , <b>2021</b> , 599, 126291  | 6   | 2         |
| 7  | Limitations of Remote Sensing in Assessing Vegetation Damage Due to the 2019-2021 Desert Locust Upsurge. <i>Frontiers in Climate</i> , <b>2021</b> , 3,  | 7.1 | 1         |
| 6  | Evaluating the performance of high-resolution satellite imagery in detecting ephemeral water bodies over West Africa. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2020</b> , 93, 102218                      | 7.3 | 10        |
| 5  | Performance evaluation of soil moisture profile estimation through entropy-based and exponential filter models. <i>Hydrological Sciences Journal</i> , <b>2020</b> , 65, 1036-1048   | 3.5 | 7         |
| 4  | An initial assessment of a SMAP soil moisture disaggregation scheme using TIR surface evaporation data over the continental United States. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2018</b> , 68, 92-104 | 7.3 | 17        |
| 3  | Development of soil moisture profiles through coupled microwave/thermal infrared observations in the southeastern United States. <i>Hydrology and Earth System Sciences</i> , <b>2018</b> , 22, 4935-4957  | 5.5 | 6         |
| 2  | Modeling Soil Moisture Profiles in Irrigated Fields by the Principle of Maximum Entropy. <i>Entropy</i> , <b>2015</b> , 17, 4454-4484  | 2.8 | 6         |
| 1  | A Remote-Sensing Driven Tool for Estimating Crop Stress and Yields. <i>Remote Sensing</i> , <b>2013</b> , 5, 3331-3356   | 6   | 17        |