## Crop yield forecasting on the Canadian Prairies using M

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Citation Report

#	Article	IF	CITATIONS
1	Detecting Effects of the Recent Drought on Vegetation in Southwestern China. Journal of Resources and Ecology, 2012, 3, 43-49.	0.4	28
2	Vegetation Covering Changes in Shandong Province Based on NDVI Data. Advanced Materials Research, 0, 610-613, 3612-3615.	0.3	0
3	Monitoring biennial bearing effect on coffee yield using modis remote sensing imagery. , 2012, , .		3
4	Performance of the FAO AquaCrop model for wheat grain yield and soil moisture simulation in Western Canada. Agricultural Water Management, 2012, 110, 16-24.	5.6	112
5	Monitoring Biennial Bearing Effect on Coffee Yield Using MODIS Remote Sensing Imagery. Remote Sensing, 2012, 4, 2492-2509.	4.0	58
6	Winter wheat yield forecasting in Ukraine based on Earth observation, meteorological data and biophysical models. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 192-203.	2.8	143
7	Remote Sensing Based Yield Estimation in a Stochastic Framework — Case Study of Durum Wheat in Tunisia. Remote Sensing, 2013, 5, 539-557.	4.0	50
8	An evaluation of integrated spatial technology framework for greenhouse gas mitigation in grain production in Western Australia. Journal of Cleaner Production, 2013, 57, 69-78.	9.3	17
9	Prediction of rice crop yield using MODIS EVIâ^'LAI data in the Mekong Delta, Vietnam. International Journal of Remote Sensing, 2013, 34, 7275-7292.	2.9	68
10	Forecasting crop yield using remotely sensed vegetation indices and crop phenology metrics. Agricultural and Forest Meteorology, 2013, 173, 74-84.	4.8	535
11	Crop Discrimination in Shandong Province Based on Phenology Analysis of Multi-year Time Series. Intelligent Automation and Soft Computing, 2013, 19, 513-523.	2.1	4
12	Wheat production forecasting for Pakistan from satellite data. , 2013, , .		5
13	Remotely Sensed Rice Yield Prediction Using Multi-Temporal NDVI Data Derived from NOAA's-AVHRR. PLoS ONE, 2013, 8, e70816.	2.5	91
14	An integrated, probabilistic model for improved seasonal forecasting of agricultural crop yield under environmental uncertainty. Frontiers in Environmental Science, 2014, 2, .	3.3	53
15	Assessing the Performance of MODIS NDVI and EVI for Seasonal Crop Yield Forecasting at the Ecodistrict Scale. Remote Sensing, 2014, 6, 10193-10214.	4.0	89
16	Wheat Yield Forecasting for Punjab Province from Vegetation Index Time Series and Historic Crop Statistics. Remote Sensing, 2014, 6, 9653-9675.	4.0	92
17	Extracting seasonal cropping patterns using multi-temporal vegetation indices from IRS LISS-III data in Muzaffarpur District of Bihar, India. Egyptian Journal of Remote Sensing and Space Science, 2014, 17, 123-134.	2.0	32
18	The potential of the MERIS Terrestrial Chlorophyll Index for crop yield prediction. Remote Sensing Letters, 2014, 5, 733-742.	1.4	18

ARTICLE IF CITATIONS Soybean yield estimation using HJ-1 CCD data in Northeast China., 2014,,. 0 19 A comparative analysis of multitemporal MODIS EVI and NDVI data for large-scale rice yield estimation. 4.8 174 Agricultural and Forest Meteorology, 2014, 197, 52-64. Index-based assessment of agricultural drought in a semi-arid region of Inner Mongolia, China. 21 2.3 66 Journal of Arid Land, 2014, 6, 3-15. Estimation of saltation emission in the Kubuqi Desert, North China. Science of the Total Environment, 2014, 479-480, 77-92. An assessment of pre- and within-season remotely sensed variables for forecasting corn and soybean 23 11.0 303 yields in the United States. Remote Sensing of Environment, 2014, 141, 116-128. Corn Yield Forecasting in Northeast China Using Remotely Sensed Spectral Indices and Crop Phenology Metrics. Journal of Integrative Agriculture, 2014, 13, 1538-1545. 3.5 Modeling the risk of nitrate leaching and nitrate runoff loss from intensive farmland in the 25 2.7 13 Baiyangdian Basin of the North China Plain. Environmental Earth Sciences, 2014, 72, 3143-3157. Analysis of NDVI Data for Crop Identification and Yield Estimation. IEEE Journal of Selected Topics in 26 84 Applied Earth Observations and Remote Sensing, 2014, 7, 4374-4384. Meta-analysis of influential factors on crop yield estimation by remote sensing. International Journal 27 2.9 18 of Remote Sensing, 2014, 35, 2267-2295. Estimating soil moisture and the relationship with crop yield using surface temperature and vegetation index. International Journal of Applied Earth Observation and Geoinformation, 2014, 28, 2.8 198 181-192. Predicting grain yield and protein content in wheat by fusing multi-sensor and multi-temporal 29 5.1129 remote-sensing images. Field Crops Research, 2014, 164, 178-188. Predicting maize yield in Zimbabwe using dry dekads derived from remotely sensed Vegetation Condition Index. International Journal of Applied Earth Observation and Geoinformation, 2014, 33, 30 2.8 56 39-46. Combined Multi-Temporal Optical and Radar Parameters for Estimating LAI and Biomass in Winter  $\mathbf{31}$ 4.0 115 Wheat Using HJ and RADARSAR-2 Data. Remote Sensing, 2015, 7, 13251-13272. The potential of satellite-observed crop phenology to enhance yield gap assessments in smallholder landscapes. Frontiers in Environmental Science, 2015, 3, . 3.3 Trends in Global Vegetation Activity and Climatic Drivers Indicate a Decoupled Response to Climate 33 2.515 Change. PLoS ONE, 2015, 10, e0138013. NDVI Variation and Its Responses to Climate Change on the Northern Loess Plateau of China from 1998 34 66 to 2012. Advances in Meteorology, 2015, 2015, 1-10. Assessing the applicability of NDVI data for the design of index-based agricultural insurance in Bihar, 35 0 India., 2015,,. Segmentation and size estimation of tomatoes from sequences of paired images. Eurasip Journal on Image and Video Processing, 2015, 2015, .

#	Article	IF	CITATIONS
37	Rice yield estimation using Landsat ETM + Data. Journal of Applied Remote Sensing, 2015, 9, 095986.	1.3	35
38	Corn yield estimation in Serbia using MODIS 13Q1 product. , 2015, , .		2
39	Remote sensing of ecosystem services: A systematic review. Ecological Indicators, 2015, 52, 430-443.	6.3	229
40	Relationship between MODIS-NDVI data and wheat yield: A case study in Northern Buenos Aires province, Argentina. Information Processing in Agriculture, 2015, 2, 73-84.	4.1	76
41	Crop classification of upland fields using Random forest of time-series Landsat 7 ETM+ data. Computers and Electronics in Agriculture, 2015, 115, 171-179.	7.7	179
42	Early-season mapping of crops and cultural operations using very high spatial resolution Pléiades images. International Journal of Applied Earth Observation and Geoinformation, 2015, 42, 128-141.	2.8	35
43	Improving the spatial resolution and ecostratification of crop yield estimates in Canada. Canadian Journal of Soil Science, 2015, 95, 287-297.	1.2	2
44	Potential of ensemble tree methods for early-season prediction of winter wheat yield from short time series of remotely sensed normalized difference vegetation index and <i>in situ</i> meteorological data. Journal of Applied Remote Sensing, 2015, 9, 097095.	1.3	32
45	Durum wheat in-field monitoring and early-yield prediction: assessment of potential use of high resolution satellite imagery in a hilly area of Tuscany, Central Italy. Journal of Agricultural Science, 2015, 153, 68-77.	1.3	21
46	Evaluation of the Integrated Canadian Crop Yield Forecaster (ICCYF) model for in-season prediction of crop yield across the Canadian agricultural landscape. Agricultural and Forest Meteorology, 2015, 206, 137-150.	4.8	104
47	Application of GOCI-derived vegetation index profiles to estimation of paddy rice yield using the GRAMI rice model. Computers and Electronics in Agriculture, 2015, 118, 1-8.	7.7	10
48	Evaluation of rainfall and NDVI anomalies using distributed lag models. Proceedings of SPIE, 2015, , .	0.8	1
49	Assessment of RapidEye vegetation indices for estimation of leaf area index and biomass in corn and soybean crops. International Journal of Applied Earth Observation and Geoinformation, 2015, 34, 235-248.	2.8	285
50	Correlation maps to assess soybean yield from EVI data in ParanÃ <sub>i</sub> State, Brazil. Scientia Agricola, 2016, 73, 462-470.	1.2	10
51	Testing the Contribution of Stress Factors to Improve Wheat and Maize Yield Estimations Derived from Remotely-Sensed Dry Matter Productivity. Remote Sensing, 2016, 8, 170.	4.0	12
52	Corn Response to Climate Stress Detected with Satellite-Based NDVI Time Series. Remote Sensing, 2016, 8, 269.	4.0	61
53	Assessing the Impact of Climate Variability on Cropland Productivity in the Canadian Prairies Using Time Series MODIS FAPAR. Remote Sensing, 2016, 8, 281.	4.0	18
54	Characterizing Cropland Phenology in Major Grain Production Areas of Russia, Ukraine, and Kazakhstan by the Synergistic Use of Passive Microwave and Visible to Near Infrared Data. Remote Sensing, 2016, 8, 1016.	4.0	10

#	Article	IF	CITATIONS
55	Assessment of Multimodel Ensemble Seasonal Hindcasts for Satellite-Based Rice Yield Prediction. J Agricultural Meteorology, 2016, 72, 107-115.	1.5	7
56	Estimation of crop yield in regions with mixed crops using different cropland masks and time-series MODIS data. , 2016, , .		0
57	Comparison of selected noise reduction techniques for MODIS daily NDVI: An empirical analysis on corn and soybean. , 2016, , .		16
58	Study on yield estimation of spring wheat basing on hyperspectral data under different meteorological condition in semi-arid rain fed region. , 2016, , .		0
59	Phenologic metrics derived from MODIS NDVI as indicators for Plant Available Water-holding Capacity. Ecological Indicators, 2016, 60, 1263-1272.	6.3	33
60	Monitoring interannual variation in global crop yield using long-term AVHRR and MODIS observations. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 114, 191-205.	11.1	75
61	Identifying Major Crop Types in Eastern Canada Using a Fuzzy Decision Tree Classifier and Phenological Indicators Derived from Time Series MODIS Data. Canadian Journal of Remote Sensing, 2016, 42, 259-273.	2.4	19
62	Impacts of spatial heterogeneity on crop area mapping in Canada using MODIS data. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 451-461.	11.1	66
63	Spiking Neural Networks for Crop Yield Estimation Based on Spatiotemporal Analysis of Image Time Series. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6563-6573.	6.3	84
64	Spectral considerations for modeling yield of canola. Remote Sensing of Environment, 2016, 184, 161-174.	11.0	102
65	Comparison of MODIS 250 m products for early corn yield predictions: a case study in Vojvodina, Serbia. Open Geosciences, 2016, 8, .	1.7	7
66	A comprehensive assessment of the correlations between field crop yields and commonly used MODIS products. International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 65-81.	2.8	86
67	Early Maize Yield Forecasting From Remotely Sensed Temperature/Vegetation Index Measurements. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 507-519.	4.9	32
68	Using temporal stability to estimate soya bean yield: a case study in ParanÃ; state, Brazil. International Journal of Remote Sensing, 2016, 37, 1223-1242.	2.9	3
69	The Evaporative Stress Index as an indicator of agricultural drought in Brazil: An assessment based on crop yield impacts. Remote Sensing of Environment, 2016, 174, 82-99.	11.0	238
70	Crop yield forecasting on the Canadian Prairies by remotely sensed vegetation indices and machine learning methods. Agricultural and Forest Meteorology, 2016, 218-219, 74-84.	4.8	188
71	Analyzing Temperature and Precipitation Influences on Yield Distributions of Canola and Spring Wheat in Saskatchewan. Journal of Applied Meteorology and Climatology, 2017, 56, 897-913.	1.5	23
72	Classification of agricultural soil parameters in India. Computers and Electronics in Agriculture, 2017, 135, 269-279.	7.7	62

#	Article	IF	CITATIONS
73	Regression model to estimate flood impact on corn yield using MODIS NDVI and USDA cropland data layer. Journal of Integrative Agriculture, 2017, 16, 398-407.	3.5	81
74	Building the vegetation drought response index for Canada (VegDRI-Canada) to monitor agricultural drought: first results. GIScience and Remote Sensing, 2017, 54, 230-257.	5.9	37
75	Impacts of water availability and drought on maize yield – A comparison of 16 indicators. Agricultural Water Management, 2017, 188, 126-135.	5.6	32
76	An overview of current and potential applications of thermal remote sensing in precision agriculture. Computers and Electronics in Agriculture, 2017, 139, 22-32.	7.7	387
77	Predicting grain yield in rice using multi-temporal vegetation indices from UAV-based multispectral and digital imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 130, 246-255.	11.1	395
78	Forecasting wheat yield from weather data and MODIS NDVI using Random Forests for Punjab province, Pakistan. International Journal of Remote Sensing, 2017, 38, 4831-4854.	2.9	53
79	Yield estimation and forecasting for winter wheat in Hungary using time series of MODIS data. International Journal of Remote Sensing, 2017, 38, 3394-3414.	2.9	37
80	ENSO climate risk: predicting crop yield variability and coherence using cluster-based PCA. Modeling Earth Systems and Environment, 2017, 3, 1343-1359.	3.4	18
81	Plant phenomics: an overview of image acquisition technologies and image data analysis algorithms. GigaScience, 2017, 6, 1-18.	6.4	122
82	Analysis of spatial and temporal patterns of aboveground net primary productivity in the Eurasian steppe region from 1982 to 2013. Ecology and Evolution, 2017, 7, 5149-5162.	1.9	18
83	Application of Geographically Weighted Regression to Improve Grain Yield Prediction from Unmanned Aerial System Imagery. Crop Science, 2017, 57, 2478-2489.	1.8	27
84	A new prediction model for grain yield in Northeast China based on spring North Atlantic Oscillation and late-winter Bering Sea ice cover. Journal of Meteorological Research, 2017, 31, 409-419.	2.4	4
85	Beyond trend analysis: How a modified breakpoint analysis enhances knowledge of agricultural production after Zimbabwe's fast track land reform. International Journal of Applied Earth Observation and Geoinformation, 2017, 62, 78-87.	2.8	7
86	Comparison of Satellite Imagery and Ground-Based Active Optical Sensors as Yield Predictors in Sugar Beet, Spring Wheat, Corn, and Sunflower. Agronomy Journal, 2017, 109, 299-308.	1.8	36
87	Effects of the Structure of Water Rights on Agricultural Production During Drought: A Spatiotemporal Analysis of California's Central Valley. Water Resources Research, 2017, 53, 8293-8309.	4.2	16
88	Crop Fraction Layer (CFL) datasets derived through MODIS and LandSat for the continental US from year 2000–2016. , 2017, , .		3
89	Land Surface Phenology and Seasonality Using Cool Earthlight in Croplands of Eastern Africa and the Linkages to Crop Production. Remote Sensing, 2017, 9, 914.	4.0	16
90	In-Season Crop Mapping with GF-1/WFV Data by Combining Object-Based Image Analysis and Random Forest. Remote Sensing, 2017, 9, 1184.	4.0	65

ARTICLE IF CITATIONS # Spatial-Temporal Dynamics of Cropping Frequency in Hubei Province over 2001–2015. Sensors, 2017, 17, 3.8 9 91 2622. Agrometeorological Models for Forecasting Coffee Yield. Agronomy Journal, 2017, 109, 249-258. 1.8 Delineation of site-specific management zone based on SPOT6/7 remote sensing image in black soil area, 93 2 Northeast China., 2017,,. Fusion of statistical and machine learning approaches for time series prediction using earth observation data. International Journal of Computational Science and Engineering, 2017, 14, 255. 94 0.5 Rice crop phenology mapping at high spatial and temporal resolution using downscaled MODIS 95 5.9 41 time-series. GIScience and Remote Sensing, 2018, 55, 659-677. Early assessment of crop yield from remotely sensed water stress and solar radiation data. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 297-308. 11.1 Accounting for phenology in maize yield prediction using remotely sensed dry dekads. Geocarto 97 3.5 7 International, 2018, 33, 723-736. Forecasting wheat and barley crop production in arid and semi-arid regions using remotely sensed primary productivity and crop phenology: A case study in Iraq. Science of the Total Environment, 2018, 8.0 63 613-614, 250-262 Monitoring growth condition of spring maize in Northeast China using a process-based model. 99 2.8 9 International Journal of Applied Earth Observation and Geoinformation, 2018, 66, 27-36. Prior Season Crop Type Masks for Winter Wheat Yield Forecasting: A US Case Study. Remote Sensing, 2018, 10, 1659. Can Faba Bean Physiological Responses Stem from Contrasting Traffic Management Regimes?. 101 3.06 Agronomy, 2018, 8, 200. Estimation of Corn Yield by Assimilating SAR and Optical Time Series Into a Simplified Agro-Meteorological Model: From Diagnostic to Forecast. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4747-4760. Assessing the Variability of Corn and Soybean Yields in Central Iowa Using High Spatiotemporal 104 4.0 72 Resolution Multi-Satellite Imagery. Remote Sensing, 2018, 10, 1489. Tasseled cap transformation for assessing hurricane landfall impact on a coastal watershed. 2.8 International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 736-745. 106 Measurement Techniques. Agronomy, 2018, , 489-517. 0.2 0 CropPhenology: An R package for extracting crop phenology from time series remotely sensed vegetation index imagery. Ecological Informatics, 2018, 46, 45-56. Analysis of NVDI variability in response to precipitation and air temperature in different regions of 108 2.7 22 Iraq, using MODIS vegetation indices. Environmental Earth Sciences, 2018, 77, 1. Wheat and maize yield forecasting for the Tisza river catchment using MODIS NDVI time series and 109

reported crop statistics. Computers and Electronics in Agriculture, 2018, 151, 41-49.

#	Article	IF	CITATIONS
110	Statistical modelling of crop yield in Central Europe using climate data and remote sensing vegetation indices. Agricultural and Forest Meteorology, 2018, 260-261, 300-320.	4.8	130
111	Regional Crop Gross Primary Productivity and Yield Estimation Using Fused Landsat-MODIS Data. Remote Sensing, 2018, 10, 372.	4.0	92
112	Effects of Climate Change and Ozone Concentration on the Net Primary Productivity of Forests in South Korea. Forests, 2018, 9, 112.	2.1	8
113	Millet yield estimates in the Sahel using satellite derived soil moisture time series. Agricultural and Forest Meteorology, 2018, 262, 100-109.	4.8	14
114	Remote Sensing of Croplands. , 2018, , 78-95.		11
115	An empirical model for prediction of wheat yield, using time-integrated Landsat NDVI. International Journal of Applied Earth Observation and Geoinformation, 2018, 72, 99-108.	2.8	52
116	Evaluating management zone maps for variable rate fungicide application and selective harvest. Computers and Electronics in Agriculture, 2018, 153, 202-212.	7.7	8
117	Object-based feature selection for crop classification using multi-temporal high-resolution imagery. International Journal of Remote Sensing, 2019, 40, 2053-2068.	2.9	14
118	A Precision Agriculture Approach for Durum Wheat Yield Assessment Using Remote Sensing Data and Yield Mapping. Agronomy, 2019, 9, 437.	3.0	44
119	Winter Wheat Yield Assessment from Landsat 8 and Sentinel-2 Data: Incorporating Surface Reflectance, Through Phenological Fitting, into Regression Yield Models. Remote Sensing, 2019, 11, 1768.	4.0	58
120	Remotely Sensed Boro Rice Production Forecasting Using MODIS-NDVI: A Bangladesh Perspective. AgriEngineering, 2019, 1, 356-375.	3.2	11
121	Using Solar-Induced Chlorophyll Fluorescence Observed by OCO-2 to Predict Autumn Crop Production in China. Remote Sensing, 2019, 11, 1715.	4.0	17
122	Potato Yield Prediction Using Machine Learning Techniques and Sentinel 2 Data. Remote Sensing, 2019, 11, 1745.	4.0	87
123	The Potential Implications of "Big Ag Data―for USDA Forecasts. Applied Economic Perspectives and Policy, 2019, 41, 668-683.	5.6	2
124	Predicting Soybean Yield with NDVI Using a Flexible Fourier Transform Model. Journal of Agricultural & Applied Economics, 2019, 51, 402-416.	1.4	7
125	A Spatialization Method for Grain Yield Statistical Data: A Study on Winter Wheat of Shandong Province, China. Agronomy Journal, 2019, 111, 1892-1903.	1.8	4
126	Synergistic integration of optical and microwave satellite data for crop yield estimation. Remote Sensing of Environment, 2019, 234, 111460.	11.0	63
127	Crop Yield Estimation Using Time-Series MODIS Data and the Effects of Cropland Masks in Ontario, Canada. Remote Sensing, 2019, 11, 2419.	4.0	30

#	Article	IF	CITATIONS
128	Remote Sensing-Guided Sampling Design with Both Good Spatial Coverage and Feature Space Coverage for Accurate Farm Field-Level Soil Mapping. Remote Sensing, 2019, 11, 1946.	4.0	4
129	Reconstruction of sea-land interactions between terrestrial vegetation cover and water quality constituents in the Mattapoisett Harbor area during the 1991 Hurricane Bob event. International Journal of Applied Earth Observation and Geoinformation, 2019, 83, 101929.	2.8	0
131	Effect of using crop specific masks on earth observation based crop yield forecasting across Canada. Remote Sensing Applications: Society and Environment, 2019, 13, 121-137.	1.5	13
132	Performance evaluation of AquaCrop in simulating soil water storage, yield, and water productivity of rainfed soybeans (Glycine max L. merr) in Ile-Ife, Nigeria. Agricultural Water Management, 2019, 213, 1130-1146.	5.6	30
133	A Comparison Between Major Artificial Intelligence Models for Crop Yield Prediction: Case Study of the Midwestern United States, 2006–2015. ISPRS International Journal of Geo-Information, 2019, 8, 240.	2.9	71
134	Jujube yield prediction method combining Landsat 8 Vegetation Index and the phenological length. Computers and Electronics in Agriculture, 2019, 162, 1011-1027.	7.7	31
135	Evidence for relative grain yield simulation by red color level of beneath-canopy soil at wheat booting phase: An unexpected observation using image processing. Computers and Electronics in Agriculture, 2019, 162, 1028-1034.	7.7	0
136	Predicting high-magnitude, low-frequency crop losses using machine learning: an application to cereal crops in Ethiopia. Climatic Change, 2019, 154, 211-227.	3.6	24
137	Re-Evaluating the Climate Factor in Agricultural Land Assessment in a Changing Climate—Saskatchewan, Canada. Land, 2019, 8, 49.	2.9	4
138	Spatial-Temporal Multi-Task Learning for Within-Field Cotton Yield Prediction. Lecture Notes in Computer Science, 2019, , 343-354.	1.3	13
139	Remote prediction of yield based on LAI estimation in oilseed rape under different planting methods and nitrogen fertilizer applications. Agricultural and Forest Meteorology, 2019, 271, 116-125.	4.8	66
140	Using a Portable Active Sensor to Monitor Growth Parameters and Predict Grain Yield of Winter Wheat. Sensors, 2019, 19, 1108.	3.8	45
141	Toward building a transparent statistical model for improving crop yield prediction: Modeling rainfed corn in the U.S. Field Crops Research, 2019, 234, 55-65.	5.1	67
142	Canola yield sensitivity to climate indicators and passive microwave-derived soil moisture estimates in Saskatchewan, Canada. Agricultural and Forest Meteorology, 2019, 268, 354-362.	4.8	14
143	Regional Wheat Yield Estimation by Integration of Remotely Sensed Soil Moisture into a Crop Model. Canadian Journal of Remote Sensing, 2019, 45, 770-781.	2.4	8
144	Analysis of Spatiotemporal Variation of Site-Specific Management Zones in a Topographic Relief Area over a Period of Six Years Using Image Segmentation and Satellite Data. Canadian Journal of Remote Sensing, 2019, 45, 746-758.	2.4	3
145	Monitoring spatial variability and trends of wheat grain yield over the main cereal regions in Morocco: a remote-based tool for planning and adjusting policies. Geocarto International, 2021, 36, 2303-2322.	3.5	23
146	Monitoring Within-Field Variability of Corn Yield using Sentinel-2 and Machine Learning Techniques. Remote Sensing, 2019, 11, 2873.	4.0	86

#	Article	IF	CITATIONS
147	Spatiotemporal crop NDVI responses to climatic factors in mainland China. International Journal of Remote Sensing, 2019, 40, 89-103.	2.9	6
148	Seasonal crop yield forecast: Methods, applications, and accuracies. Advances in Agronomy, 2019, , 201-255.	5.2	122
149	Cropland yield divergence over Africa and its implication for mitigating food insecurity. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 707-734.	2.1	4
150	Paddy acreage mapping and yield prediction using sentinel-based optical and SAR data in Sahibganj district, Jharkhand (India). Spatial Information Research, 2019, 27, 399-410.	2.2	38
151	Full year crop monitoring and separability assessment with fully-polarimetric L-band UAVSAR: A case study in the Sacramento Valley, California. International Journal of Applied Earth Observation and Geoinformation, 2019, 74, 45-56.	2.8	20
152	Differential impact of remotely sensed dry dekads on maize yield in Zimbabwe. Geocarto International, 2020, 35, 1489-1510.	3.5	3
153	Deep neural network algorithm for estimating maize biomass based on simulated Sentinel 2A vegetation indices and leaf area index. Crop Journal, 2020, 8, 87-97.	5.2	79
154	A new space-borne perspective of crop productivity variations over the US Corn Belt. Agricultural and Forest Meteorology, 2020, 281, 107826.	4.8	17
155	An IPSO-BP neural network for estimating wheat yield using two remotely sensed variables in the Guanzhong Plain, PR China. Computers and Electronics in Agriculture, 2020, 169, 105180.	7.7	47
156	Interlinkages between human agency, water use efficiency and sustainable food production. Journal of Hydrology, 2020, 582, 124524.	5.4	10
157	Incorporating environmental variables into a MODIS-based crop yield estimation method for United States corn and soybeans through the use of a random forest regression algorithm. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 160, 208-228.	11.1	73
158	Estimating winter wheat yield based on a light use efficiency model and wheat variety data. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 160, 18-32.	11.1	32
159	Estimation of Winter Wheat Production Potential Based on Remotely-Sensed Imagery and Process-Based Model Simulations. Remote Sensing, 2020, 12, 2857.	4.0	3
160	Landscape structure as a mediator of ecosystem service interactions. Landscape Ecology, 2020, 35, 2863-2880.	4.2	57
161	Assessment of Leaf Area Index Models Using Harmonized Landsat and Sentinel-2 Surface Reflectance Data over a Semi-Arid Irrigated Landscape. Remote Sensing, 2020, 12, 3121.	4.0	39
162	Pairing soil sampling with very-high resolution UAV imagery: An examination of drivers of soil and nutrient movement and agricultural productivity in southern Ontario. Geoderma, 2020, 379, 114630.	5.1	7
163	Application of phenology-based algorithm and linear regression model for estimating rice cultivated areas and yield using remote sensing data in Bansloi River Basin, Eastern India. Remote Sensing Applications: Society and Environment, 2020, 19, 100367.	1.5	12
164	Multilevel Deep Learning Network for County-Level Corn Yield Estimation in the U.S. Corn Belt. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5048-5060.	4.9	66

#	Article	IF	CITATIONS
165	Mapping China's regional economic activity by integrating points-of-interest and remote sensing data with random forest. Environment and Planning B: Urban Analytics and City Science, 2021, 48, 1876-1894.	2.0	16
166	Crop and Weed Leaf Area Index Mapping Using Multi-Source Remote and Proximal Sensing. IEEE Access, 2020, 8, 138179-138190.	4.2	14
167	Machine learning approaches for rice crop yield predictions using time-series satellite data in Taiwan. International Journal of Remote Sensing, 2020, 41, 7868-7888.	2.9	30
168	Estimation of Water-Use Efficiency Based on Satellite for the Typical Croplands. IEEE Access, 2020, 8, 220533-220541.	4.2	0
169	How climatic and sociotechnical factors influence crop production: a case study of canola production. SN Applied Sciences, 2020, 2, 1.	2.9	3
170	Integrated Application of Remote Sensing and GIS in Crop Information System—A Case Study on Aman Rice Production Forecasting Using MODIS-NDVI in Bangladesh. AgriEngineering, 2020, 2, 264-279.	3.2	7
171	Crop Yield Estimation in the Canadian Prairies Using Terra/MODIS-Derived Crop Metrics. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2685-2697.	4.9	32
172	Evapotranspiration as a response to climate variability and ecosystem changes in southwest, China. Environmental Earth Sciences, 2020, 79, 1.	2.7	28
173	Responses of arbuscular mycorrhizal fungal communities to soil core transplantation across Saskatchewan prairie climatic regions. Canadian Journal of Soil Science, 2020, 100, 81-96.	1.2	4
174	Czech Drought Monitor System for monitoring and forecasting agricultural drought and drought impacts. International Journal of Climatology, 2020, 40, 5941-5958.	3.5	55
175	Improving crop yield forecasts with satellite-based soil moisture estimates: An example for township level canola yield forecasts over the Canadian Prairies. International Journal of Applied Earth Observation and Geoinformation, 2020, 89, 102092.	2.8	6
176	Yield Cap Analysis Using Remote Sensing and Modelling Approaches: Wheat in the Northwest of Iran. International Journal of Plant Production, 2020, 14, 443-452.	2.2	15
177	Estimation of Crop Biomass and Leaf Area Index from Multitemporal and Multispectral Imagery Using Machine Learning Approaches. Canadian Journal of Remote Sensing, 2020, 46, 84-99.	2.4	21
178	Winter Wheat Yield Prediction at County Level and Uncertainty Analysis in Main Wheat-Producing Regions of China with Deep Learning Approaches. Remote Sensing, 2020, 12, 1744.	4.0	112
179	Estimating Yields of Household Fields in Rural Subsistence Farming Systems to Study Food Security in Burkina Faso. Remote Sensing, 2020, 12, 1717.	4.0	16
180	Predicting Soybean Yield at the Regional Scale Using Remote Sensing and Climatic Data. Remote Sensing, 2020, 12, 1936.	4.0	20
181	Drought Impacts on Vegetation in Southeastern Europe. Remote Sensing, 2020, 12, 2156.	4.0	19
182	Summer maize growth under different precipitation years in the Huang-Huai-Hai Plain of China. Agricultural and Forest Meteorology, 2020, 285-286, 107927.	4.8	20

ARTICLE IF CITATIONS # Analysis of relationship between cereal yield and NDVI for selected regions of Central Europe based 183 1.5 21 on MODIS satellite data. Remote Sensing Applications: Society and Environment, 2020, 17, 100286. Prediction of Winter Wheat Yield Based on Multi-Source Data and Machine Learning in China. Remote 184 154 Sensing, 2020, 12, 236. Identifying tree health using sentinel-2 images: a case study on <i>Tortrix viridana</i> L. infected oak 185 3.5 13 trees in Western Iran. Geocarto International, 2022, 37, 304-314. A review of remote sensing applications in agriculture for food security: Crop growth and yield, 186 irrigation, and crop losses. Journal of Hydrology, 2020, 586, 124905. The Change in Winter Wheat Response to Deoxynivalenol and Fusarium Head Blight Through 187 1.4 6 Technological and Agronomic Progress. Plant Disease, 2021, 105, 840-850. Estimating soybean yield using time series of anomalies in vegetation indices from MODIS. International Journal of Remote Sensing, 2021, 42, 405-421. 188 On optimizing a MODIS-based framework for in-season corn yield forecast. International Journal of 189 2.8 7 Applied Earth Observation and Geoinformation, 2021, 95, 102258. Use time series NDVI and EVI to develop dynamic crop growth metrics for yield modeling. Ecological 6.3 70 Indicators, 2021, 121, 107124. Less Agricultural Phosphorus Applied in 2019 Led to Less Dissolved Phosphorus Transported to Lake 191 10.0 36 Erie. Environmental Science & amp; Technology, 2021, 55, 283-291. Machine Learning Algorithms for Modelling Agro-climatic Indices: A Review. Smart Innovation, Systems and Technologies, 2021, , 15-23. Application of Hyperspectral LiDAR on 3-D Chlorophyll-Nitrogen Mapping of Rohdea Japonica in Laboratory. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 193 4.9 10 9667-9679. Spatial–Temporal Prediction of Vegetation Index With Deep Recurrent Neural Networks. IEEE 194 3.1 Geoscience and Remote Sensing Letters, 2022, 19, 1-5. Flood Monitoring and Crop Damage Assessment. Springer Remote Sensing/photogrammetry, 2021, 195 0.4 0 321-349. Monitoring the Effects of Drought on Vegetation Cover and Ground Water Using MODIS Satellite 1.9 Images and ANN. KSCE Journal of Civil Engineering, 2021, 25, 1095-1105. Prediction of Crop Yield Using Phenological Information Extracted from Remote Sensing Vegetation 197 50 3.8 Index. Sensors, 2021, 21, 1406. Regional estimation of garlic yield using crop, satellite and climate data in Mexico. Computers and Electronics in Agriculture, 2021, 181, 105943. A unified vegetation index for quantifying the terrestrial biosphere. Science Advances, 2021, 7, . 199 10.3 160 New spectral indicator Potato Productivity Index based on Sentinel-2 data to improve potato yield prediction: a machine learning approach. International Journal of Remote Sensing, 2021, 42, 3426-3444.

#	Article	IF	Citations
201	Relationship between MODIS Derived NDVI and Yield of Cereals for Selected European Countries. Agronomy, 2021, 11, 340.	3.0	16
202	Prediction of Rice Yield in East China Based on Climate and Agronomic Traits Data Using Artificial Neural Networks and Partial Least Squares Regression. Agronomy, 2021, 11, 282.	3.0	18
203	Developing flood vulnerability curve for rice crop using remote sensing and hydrodynamic modeling. International Journal of Disaster Risk Reduction, 2021, 54, 102058.	3.9	24
204	Modeling and Monitoring Wheat Crop Yield Using Geospatial Techniques: A Case Study of Potohar Region, Pakistan. Journal of the Indian Society of Remote Sensing, 2021, 49, 1331-1342.	2.4	3
205	Disruption in Chinese E-Commerce During COVID-19. Frontiers in Computer Science, 2021, 3, .	2.8	8
206	Wheat Yield Forecasting for the Tisza River Catchment Using Landsat 8 NDVI and SAVI Time Series and Reported Crop Statistics. Agronomy, 2021, 11, 652.	3.0	25
207	Prediction of Grain Output in Anhui Province Based on Machine Learning. , 2021, , .		1
208	Quantitative Analysis of the Research Trends and Areas in Grassland Remote Sensing: A Scientometrics Analysis of Web of Science from 1980 to 2020. Remote Sensing, 2021, 13, 1279.	4.0	34
209	Effectiveness of a novel fungicide pydiflumetofen against Fusarium head blight and mycotoxin accumulation in winter wheat. World Mycotoxin Journal, 2021, 14, 477-493.	1.4	3
210	Modelling wheat yield with antecedent information, satellite and climate data using machine learning methods in Mexico. Agricultural and Forest Meteorology, 2021, 300, 108317.	4.8	39
211	Linking data of ENSO, NDVI-MODIS and crops yield as a base of an early warning system for agriculture in Córdoba, Argentina. Remote Sensing Applications: Society and Environment, 2021, 22, 100480.	1.5	4
212	Variance of vegetation coverage and its sensitivity to climatic factors in the Irtysh River basin. PeerJ, 2021, 9, e11334.	2.0	6
213	Assessment of a Yield Prediction Method Based on Time Series Landsat 8 Data. Acta Horticulturae Et Regiotecturae, 2021, 24, 12-15.	1.0	1
214	Long-Term Hindcasts of Wheat Yield in Fields Using Remotely Sensed Phenology, Climate Data and Machine Learning. Remote Sensing, 2021, 13, 2435.	4.0	10
215	Use of Vegetation Indices in Wheat Yield Estimation in Irrigated and Dry Agricultural Lands. Turkish Journal of Agricultural and Natural Sciences, 2021, 8, 736-746.	0.6	1
216	Multifactor Analysis to Predict Best Crop using Xg-Boost Algorithm. , 2021, , .		3
217	Corn yield prediction and uncertainty analysis based on remotely sensed variables using a Bayesian neural network approach. Remote Sensing of Environment, 2021, 259, 112408.	11.0	91
218	Bazı Ekmeklik Buğday (Triticum aestivum L.) Çeşit ve Hatlarında SPAD Metre ve NDVI Ölçümlerinin Ka Özellikleriyle İlişkilerinin Biplot Analiz Yöntemi ile Değerlendirilmesi. Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, 0, , .	lite 0.6	1

#	Article	IF	CITATIONS
219	Selection of Independent Variables for Crop Yield Prediction Using Artificial Neural Network Models with Remote Sensing Data. Land, 2021, 10, 609.	2.9	51
220	Early prediction of the seed yield in winter oilseed rape based on the near-infrared reflectance of vegetation (NIRv). Computers and Electronics in Agriculture, 2021, 186, 106166.	7.7	7
221	Comparison of Machine-Learning and CASA Models for Predicting Apple Fruit Yields from Time-Series Planet Imageries. Remote Sensing, 2021, 13, 3073.	4.0	14
222	Cotton Yield Estimation Using Phenological Metrics Derived from Long-Term MODIS Data. Journal of the Indian Society of Remote Sensing, 2021, 49, 2597-2610.	2.4	4
223	Forecasting potential yields under uncertainty using fuzzy cognitive maps. Agriculture and Food Security, 2021, 10, .	4.2	2
224	Forecasting Soybean Yield in Agricultural Regions of the Russian Far East Using Remote Sensing Data. Smart Innovation, Systems and Technologies, 2022, , 349-358.	0.6	0
225	A survey on the role of Internet of Things for adopting and promoting Agriculture 4.0. Journal of Network and Computer Applications, 2021, 187, 103107.	9.1	92
226	Integrating the temperature vegetation dryness index and meteorology parameters to dynamically predict crop yield with fixed date intervals using an integral regression model. Ecological Modelling, 2021, 455, 109651.	2.5	5
227	Improving Biomass and Grain Yield Prediction of Wheat Genotypes on Sodic Soil Using Integrated High-Resolution Multispectral, Hyperspectral, 3D Point Cloud, and Machine Learning Techniques. Remote Sensing, 2021, 13, 3482.	4.0	26
228	Evaluating the Spectral Response and Yield of Soybean Following Exposure to Sublethal Rates of 2,4-D and Dicamba at Vegetative and Reproductive Growth Stages. Remote Sensing, 2021, 13, 3682.	4.0	3
230	Iterative Deep Learning (IDL) for agricultural landscape classification using fine spatial resolution remotely sensed imagery. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102437.	2.8	5
231	Crop yield forecasting and associated optimum lead time analysis based on multi-source environmental data across China. Agricultural and Forest Meteorology, 2021, 308-309, 108558.	4.8	26
232	Standardized relative humidity index can be used to identify agricultural drought for summer maize in the Huang-Huai-Hai Plain, China. Ecological Indicators, 2021, 131, 108222.	6.3	11
233	Recurrence plots for quantifying the vegetation indices dynamics in a semi-arid grassland. Geoderma, 2022, 406, 115488.	5.1	8
234	Pest-infected oak trees identify using remote sensing-based classification algorithms. , 2022, , 363-376.		3
235	Mapping rice area and yield in northeastern asia by incorporating a crop model with dense vegetation index profiles from a geostationary satellite. GIScience and Remote Sensing, 2021, 58, 1-27.	5.9	16
236	Segmentation of Tomatoes in Open Field Images with Shape and Temporal Constraints. Lecture Notes in Computer Science, 2015, , 162-178.	1.3	10
237	The Estimation of Winter Wheat Yield Based on MODIS Remote Sensing Data. International Federation for Information Processing, 2012, , 496-503.	0.4	3

#	Article	IF	CITATIONS
238	Field phenotyping using multispectral imaging in pea (Pisum sativum L) and chickpea (Cicer arietinum L). Engineering in Agriculture, Environment and Food, 2019, 12, 404-413.	0.5	6
239	Sugarcane yield prediction in Brazil using NDVI time series and neural networks ensemble. International Journal of Remote Sensing, 2017, 38, 4631-4644.	2.9	74
240	Corn forage yield prediction using unmanned aerial vehicle images at mid-season growth stage. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	10
241	Vegetation Response to Recent Trends in Climate and Landuse Dynamics in a Typical Humid and Dry Tropical Region under Global Change. Advances in Meteorology, 2019, 2019, 1-15.	1.6	24
242	Comparing Inter-Sensor NDVI for the Analysis of Horticulture Crops in South-Eastern Australia. American Journal of Remote Sensing, 2014, 2, 1.	0.5	18
243	The potential of small-Unmanned Aircraft Systems for the rapid detection of threatened unimproved grassland communities using an Enhanced Normalized Difference Vegetation Index. PLoS ONE, 2017, 12, e0186193.	2.5	27
244	QUANTIFYING IMPACT OF DROUGHTS ON BARLEY YIELD IN NORTH DAKOTA, USA USING MULTIPLE LINEAR REGRESSION AND ARTIFICIAL NEURAL NETWORK. Neural Network World, 2014, 24, 343-355.	0.8	20
246	The Potential Implications of 'Big Ag Data' for USDA Forecasts. SSRN Electronic Journal, 0, , .	0.4	3
247	Effects of climate change on killing frost in the Canadian prairies. Climate Research, 2012, 54, 221-231.	1.1	5
248	Relationships between the evaporative stress index and winter wheat and spring barley yield anomalies in the Czech Republic. Climate Research, 2016, 70, 215-230.	1.1	41
249	Determination of Appropriate Remote Sensing Indices for Spring Wheat Yield Estimation in Mongolia. Remote Sensing, 2019, 11, 2568.	4.0	39
250	Assessment of a Proximal Sensing-integrated Crop Model for Simulation of Soybean Growth and Yield. Remote Sensing, 2020, 12, 410.	4.0	12
251	NDVI Analysis and Yield Estimation in Winter Wheat Based on GreenSeeker. Acta Agronomica Sinica(China), 2013, 38, 747-753.	0.3	8
252	Detecting and Monitoring Plant Nutrient Stress Using Remote Sensing Approaches: A Review. Asian Journal of Plant Sciences, 2016, 16, 1-8.	0.4	24
253	Sensitivity of X-Band ( <i>σ</i> <sup>0</sup> ,) Tj ET Advances in Remote Sensing, 2016, 05, 103-117.	Qq0 0 0 r; 0.9	gBT /Overlocl 10
254	Remote Sensing Derived Phenological Metrics to Assess the Spatio-Temporal Growth Variability in Cropping Fields. Advances in Remote Sensing, 2017, 06, 212-228.	0.9	8
255	ASSESSMENT OF RICE BIOMASS PRODUCTION AND YIELD USING SEMI-PHYSICAL APPROACH AND REMOTELY SENSED DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W6, 217-222.	0.2	7
256	Development of a remote sensing-based rice yield forecasting model. Spanish Journal of Agricultural Research, 2016, 14, e0907.	0.6	22

ARTICLE IF CITATIONS Estimation of Crop Yield From Combined Optical and SAR Imagery Using Gaussian Kernel Regression. 257 4.9 26 IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10520-10534. USA Crop Yield Estimation with MODIS NDVI: Are Remotely Sensed Models Better than Simple Trend 258 Analyses?. Remote Sensing, 2021, 13, 4227. Developing Maize Yield Predictive Models from Sentinel-2 MSI Derived Vegetation Indices: An Approach to an Early Warning System on Yield Fluctuation and Food Security. PFG - Journal of Photogrammetry, 259 3 1.1 Remote Sensing and Geoinformation Science, 2021, 89, 535-548. Towards crop yield estimation at a finer spatial resolution using machine learning methods over 260 agricultural regions. Theoretical and Applied Climatology, 2021, 146, 1387-1401. Evaluating the accuracy of <scp>ARMA</scp> and multiâ€index methods for predicting winter wheat 261 3.5 4 maturity date. Journal of the Science of Food and Agriculture, 2022, 102, 2484-2493. Crop yield prediction model based on Credal Network. Chinese Journal of Eco-Agriculture, 2012, 20, 782-787. 0.1 Shape-based Segmentation of Tomatoes for Agriculture Monitoring., 2014,,. 263 0 An improved method of NDVI correction through pattern-response low-peak detection on time series. 0.4 264 Korean Journal of Remote Sensing, 2014, 30, 505-510. RICE YIELD ESTIMATION THROUGH ASSIMILATING SATELLITE DATA INTO A CROP SIMUMLATION MODEL. 265 International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences -0.2 3 ISPRS Archives, 0, XLI-B8, 993-996. Fusion of statistical and machine learning approaches for time series prediction using earth observation data. International Journal of Computational Science and Engineering, 2017, 14, 255. Fizyolojik ve Morfolojik Parametreler Kullanarak Bazı İleri Soya (Glycine max. L.) Hatlarının Åžanlıurfa İkinci Ürün KoÅŸullarında Verim Özellikleri Yönündén Performanslarının AraÅŸtırılması. Harr**an**5Tarım2Ve 267 Gıda Bilimleri Dergisi, 0, , 480-493. Estimation of Net Rice Production for the Fiscal year 2019 using Multisource Datasets.. International 268 0.0 Journal of Agriculture & Sustainable Development, 2019, , . Building and precision assessment of regression models for determining of cereals' and legumes' crop 269 yield based on Earth remote sensing data and climatic characteristics. InterCarto InterCIS, 2020, 26, 0.4 0 159-169. On Relevance of Linguistic Summaries – A Case Study from the Agro-Food Domain. Communications in Computer and Information Science, 2020, , 289-300. 270 Predictive modelling of wheat yield from vegetation index time series in Spain: assessing the use of 271 0 Corine Land Cover and CAP statistics to obtain crop masks., 2020,,. In-season variable rate nitrogen recommendation for wheat precision production supported by fixed-wing UAV imagery. Precision Agriculture, 2022, 23, 830-853. Winsorization for Robust Bayesian Neural Networks. Entropy, 2021, 23, 1546. 274 2.29 Improving crop yield estimation by applying higher resolution satellite NDVI imagery and 275 high-resolution cropland masks. Remote Sensing Applications: Society and Environment, 2022, 25, 1.5 100693.

#	Article	IF	CITATIONS
276	Effect of Locust Invasion and Mitigation Using Remote Sensing Techniques: A Case Study of North Sindh Pakistan. Photogrammetric Engineering and Remote Sensing, 2022, 88, 47-53.	0.6	3
277	Improving wheat yield estimates using data augmentation models and remotely sensed biophysical indices within deep neural networks in the Guanzhong Plain, PR China. Computers and Electronics in Agriculture, 2022, 192, 106616.	7.7	9
278	Using NDVI Time Series Curve Change Rate to Estimate Winter Wheat Yield. , 2020, , .		1
279	A Novel Ensemble Machine Learning and Time Series Approach for Oil Palm Yield Prediction Using Landsat Time Series Imagery Based on NDVI. Geocarto International, 0, , 1-24.	3.5	9
280	Enhancing Crop Yield Prediction Utilizing Machine Learning on Satellite-Based Vegetation Health Indices. Sensors, 2022, 22, 719.	3.8	18
281	Assessing agricultural and hydrological drought vulnerability in a savanna ecological zone of Sub-Saharan Africa. Natural Hazards, 2022, 111, 2431-2458.	3.4	4
282	Impact of drought on cereal crop yields in the Savanna Region of Nigeria. African Geographical Review, 2023, 42, 273-293.	1.0	2
283	Medium-resolution multispectral satellite imagery in precision agriculture: mapping precision canola (Brassica napus L.) yield using Sentinel-2 time series. Precision Agriculture, 2022, 23, 1051-1071.	6.0	11
284	Relationships between Soil Electrical Conductivity and Sentinel-2-Derived NDVI with pH and Content of Selected Nutrients. Agronomy, 2022, 12, 354.	3.0	11
285	Forecasting vegetation indices from spatio-temporal remotely sensed data using deep learning-based approaches: A systematic literature review. Ecological Informatics, 2022, 68, 101552.	5.2	38
286	Synergy of optical and synthetic aperture radar data for early-stage crop yield estimation: a case study over a state of Germany. Geocarto International, 2022, 37, 10743-10766.	3.5	0
287	Remote Sensing Technology—A New Dimension in Detection, Quantification and Tracking of Abiotic and Biotic Stresses. Advances in Science, Technology and Innovation, 2022, , 445-457.	0.4	1
288	Remote Sensing Time Series Analysis for Early Rice Yield Forecasting Using Random Forest Algorithm. , 2022, , 353-366.		0
290	Impact of Climate Extremes on Agriculture and Land Use Dynamic over Vidarbha Region of Maharashtra. , 2022, , 437-454.		0
291	Machine learning approaches to Predict Crop Yield using integrated Satellite and Climate Data. International Journal of Ambient Computing and Intelligence, 2022, 13, 0-0.	1.1	0
292	Vegetation response to climate and climatic extremes in northwest Bangladesh: a quantile regression approach. Theoretical and Applied Climatology, 2022, 148, 985-1003.	2.8	3
293	Using Artificial Neural Network (ANN) for Short-Range Prediction of Cotton Yield in Data-Scarce Regions. Agronomy, 2022, 12, 828.	3.0	9
294	Multispectral Analysis of Small Plots Based on Field and Remote Sensing Surveys—A Comparative Evaluation. Sustainability, 2022, 14, 3339.	3.2	6

#	Article	IF	CITATIONS
295	Aerial Imagery Can Detect Nitrogen Fertilizer Effects on Biomass and Stand Health of Miscanthus × giganteus. Remote Sensing, 2022, 14, 1435.	4.0	3
296	Prediction of Field-Scale Wheat Yield Using Machine Learning Method and Multi-Spectral UAV Data. Remote Sensing, 2022, 14, 1474.	4.0	41
297	Maize yield forecast using GIS and remote sensing in Kaffa Zone, South West Ethiopia. Environmental Systems Research, 2022, 11, .	3.7	5
298	Operational framework to predict field level crop biomass using remote sensing and data driven models. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102725.	2.8	2
299	A generalized model to predict large-scale crop yields integrating satellite-based vegetation index time series and phenology metrics. Ecological Indicators, 2022, 137, 108759.	6.3	17
300	Radiative transfer model inversion using high-resolution hyperspectral airborne imagery – Retrieving maize LAI to access biomass and grain yield. Field Crops Research, 2022, 282, 108449.	5.1	23
301	Use of Remote Sensing Data to Estimate Sugar Beet Crop Yield in the Doukkala Irrigated Perimeter. , 2021, , .		1
303	The Application of Sentinel-2 Data for Automatic Forest Cover Changes Assessment – BiaÅ,owieża Primeval Forest Case Study. Civil and Environmental Engineering Reports, 2021, 31, 148-166.	0.3	0
304	A linear approach for wheat yield prediction by using different spectral vegetation indices. International Journal of Engineering and Geosciences, 2023, 8, 52-62.	3.2	7
305	Solar array placement, electricity generation, and cropland displacement across California's Central Valley. Science of the Total Environment, 2022, 835, 155240.	8.0	3
306	Application of Internet of Things technology in winter wheat yield forecast. , 2022, , .		0
307	A Systematic Literature Review on Crop Yield Prediction with Deep Learning and Remote Sensing. Remote Sensing, 2022, 14, 1990.	4.0	79
308	A deep learning crop model for adaptive yield estimation in large areas. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102828.	1.9	3
310	Phenological piecewise modelling is more conducive than whole-season modelling to winter wheat yield estimation based on remote sensing data. European Journal of Remote Sensing, 2022, 55, 338-352.	3.5	0
312	Testing the Robust Yield Estimation Method for Winter Wheat, Corn, Rapeseed, and Sunflower with Different Vegetation Indices and Meteorological Data. Remote Sensing, 2022, 14, 2860.	4.0	4
313	Historical wheat yield mapping using time-series satellite data and district-wise yield statistics over Uttar Pradesh state, India. Remote Sensing Applications: Society and Environment, 2022, 27, 100808.	1.5	1
314	10-Day Time-Scale is Best for Standardized Precipitation Index to Early Identify Summer Maize Drought in the Huang-Huai-Hai Region, China. SSRN Electronic Journal, 0, , .	0.4	0
315	Investigating and predicting spatiotemporal variations in vegetation cover in transitional climate zone: a case study of Gansu (China). Theoretical and Applied Climatology, 2022, 150, 283-307.	2.8	4

#	Article	IF	Citations
316	Prediction of Corn Yield in the USA Corn Belt Using Satellite Data and Machine Learning: From an Evapotranspiration Perspective. Agriculture (Switzerland), 2022, 12, 1263.	3.1	4
317	Monitoring the combined effects of drought and salinity stress on crops using remote sensing in the Netherlands. Hydrology and Earth System Sciences, 2022, 26, 4537-4552.	4.9	10
319	Artificial intelligence framework for modeling and predicting crop yield to enhance food security in Saudi Arabia. PeerJ Computer Science, 0, 8, e1104.	4.5	12
320	Winter Wheat Yield Prediction Using an LSTM Model from MODIS LAI Products. Agriculture (Switzerland), 2022, 12, 1707.	3.1	19
321	Research on Dynamic Monitoring of Grain Filling Process of Winter Wheat from Time-Series Planet Imageries. Agronomy, 2022, 12, 2451.	3.0	2
322	Normalized difference vegetation index prediction based on the delta downscaling method and back-propagation artificial neural network under climate change in the Sanjiangyuan region, China. Ecological Informatics, 2022, 72, 101883.	5.2	8
323	A Spatial–Temporal Depth-Wise Residual Network for Crop Sub-Pixel Mapping from MODIS Images. Remote Sensing, 2022, 14, 5605.	4.0	0
324	Study on Grain Yield Forecasting in Shanxi Province. Statistics and Applications, 2022, 11, 1421-1430.	0.1	0
325	Location, biophysical and agronomic parameters for croplands in northern Ghana. Earth System Science Data, 2022, 14, 5387-5410.	9.9	2
326	Wheat Yield Prediction with Machine Learning based on MODIS and Landsat NDVI Data at Field Scale. International Journal of Environment and Geoinformatics, 2022, 9, 172-184.	0.8	1
327	In-Season Prediction of Corn Grain Yield through PlanetScope and Sentinel-2 Images. Agronomy, 2022, 12, 3176.	3.0	5
328	Interactions between the Grainâ€forâ€Green Program and check dams increased vegetation carbon sequestration in the Yanhe basin, Loess Plateau. Land Degradation and Development, 2023, 34, 2310-2321.	3.9	5
329	Winter Wheat Extraction Using Time-Series Sentinel-2 Data Based on Enhanced TWDTW in Henan Province, China. Sustainability, 2023, 15, 1490.	3.2	1
330	Agricultural productivity and water quality tradeoffs of winter cover crops at a landscape scale through the lens of remote sensing. Journal of Environmental Management, 2023, 330, 117212.	7.8	0
331	Climatology and landscape determinants of AOD, SO2 and NO2 over Indo-Gangetic Plain. Environmental Research, 2023, 220, 115125.	7.5	7
332	The Prediction of Wheat Yield in the North China Plain by Coupling Crop Model with Machine Learning Algorithms. Agriculture (Switzerland), 2023, 13, 99.	3.1	7
333	Application of normalized difference vegetation index in agriculture to estimate rice yield. AIP Conference Proceedings, 2023, , .	0.4	0
334	A deep learning framework combining CNN and GRU for improving wheat yield estimates using time series remotely sensed multi-variables. Computers and Electronics in Agriculture, 2023, 206, 107705.	7.7	9

#	Article	IF	CITATIONS
335	Applicability of machine learning techniques in predicting wheat yield based on remote sensing and climate data in Pakistan, South Asia. European Journal of Agronomy, 2023, 147, 126837.	4.1	4
336	Remote sensing crop group-specific indicators to support regional yield forecasting in Europe. Computers and Electronics in Agriculture, 2023, 205, 107633.	7.7	5
337	Exploring the use of Sentinel-2 datasets and environmental variables to model wheat crop yield in smallholder arid and semi-arid farming systems. Science of the Total Environment, 2023, 869, 161716.	8.0	3
338	Satellite-based multi-annual yield models for major food crops at the household field level for nutrition and health research: A case study from the Nouna HDSS, Burkina Faso. International Journal of Applied Earth Observation and Geoinformation, 2023, 117, 103203.	1.9	2
339	Using a machine learning approach and big data to augment WASDE forecasts: Empirical evidence from US corn yield. Journal of Forecasting, 0, , .	2.8	1
340	The optimal time-scale of Standardized Precipitation Index for early identifying summer maize drought in the Huang-Huai-Hai region, China. Journal of Hydrology: Regional Studies, 2023, 46, 101350.	2.4	4
341	Multisource Maximum Predictor Discrepancy for Unsupervised Domain Adaptation on Corn Yield Prediction. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.3	1
342	Remote sensing for field pea yield estimation: A study of multi-scale data fusion approaches in phenomics. Frontiers in Plant Science, 0, 14, .	3.6	4
343	A county-level soybean yield prediction framework coupled with XGBoost and multidimensional feature engineering. International Journal of Applied Earth Observation and Geoinformation, 2023, 118, 103269.	1.9	3
344	Assessment of Meteorological and Agricultural Drought Indices under Climate Change Scenarios in the South Saskatchewan River Basin, Canada. Sustainability, 2023, 15, 5907.	3.2	2
345	Modeling crop yield using NDVI-derived VGM metrics across different climatic regions in the USA. International Journal of Biometeorology, 2023, 67, 1051-1062.	3.0	1
346	Assessing the Within-Field Heterogeneity Using Rapid-Eye NDVI Time Series Data. Agriculture (Switzerland), 2023, 13, 1029.	3.1	0
347	Analysis of Relationship between Grain Yield and NDVI from MODIS in the Fez-Meknes Region, Morocco. Remote Sensing, 2023, 15, 2707.	4.0	1
348	The Second Derivative of the NDVI Time Series as an Estimator of Fresh Biomass: A Case Study of Eight Forage Associations Monitored via UAS. Drones, 2023, 7, 347.	4.9	2
349	118. UAV remote sensing of agronomic parameters and yield in chickpea and lentil. , 2023, , .		0
350	Sentinelâ $\in 2$ accurately estimated wheat yield in a semi-arid region compared with Landsat 8. International Journal of Remote Sensing, 2023, 44, 4115-4136.	2.9	1
351	Temperature and soil nutrients drive seed traits variation in <i>Pterocarpus erinaceus</i> (African) Tj ETQq0 0 0	rgBT /Ove 1.5	lock 10 Tf 50

352	Early-Season forecasting of citrus block-yield using time series remote sensing and machine learning: A case study in Australian orchards. International Journal of Applied Earth Observation and Geoinformation, 2023, 122, 103434.	1.9	0	
-----	--	-----	---	--

## ARTICLE #

IF CITATIONS

353 An integrative data-driven approach for monitoring corn biomass under irrigation water and nitrogen levels based on UAV-based imagery. Environmental Monitoring and Assessment, 2023, 195, . 354

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355	Simulating corn futures marketÂreaction and prices underÂweekly yield forecasts. Agricultural Finance Review, 0, , .	1.3	0
356	Intertwined impacts of urbanization and land cover change on urban climate and agriculture in Aurangabad city (MS), India using google earth engine platform. Journal of Cleaner Production, 2023, 422, 138541.	9.3	16
357	Mapping and yield prediction of castor bean ( <i>Ricinus communis</i> ) using Sentinel-2A satellite image in a semi-arid region of india. Journal of Landscape Ecology(Czech Republic), 2023, 16, 1-23.	0.9	1
358	Impacts of meteorological variables and machine learning algorithms on rice yield prediction in Korea. International Journal of Biometeorology, 2023, 67, 1825-1838.	3.0	0
359	Forecasting spring maize yield using vegetation indices and crop phenology metrics from <scp>UAV</scp> observations. Food and Energy Security, 2024, 13, .	4.3	0
360	Improved prediction of rice yield at field and county levels by synergistic use of SAR, optical and meteorological data. Agricultural and Forest Meteorology, 2023, 342, 109729.	4.8	0
361	Crop Prediction using Machine Learning Techniques and IoT. , 2023, , .		0
362	Business Process Optimization of Technological Map in Farm Management System. Communications in Computer and Information Science, 2023, , 171-190.	0.5	0
363	Empowering Climate Resilience: Leveraging Cloud Computing and Big Data for Community Climate Change Impact Service (C3IS). Remote Sensing, 2023, 15, 5160.	4.0	1
364	Trade-offs and synergies of ecosystem services and their threshold effects in the largest tableland of the Loess Plateau. Global Ecology and Conservation, 2023, 48, e02706.	2.1	0
365	Forecasting carrot yield with optimal timing of Sentinel 2 image acquisition. Precision Agriculture, 0, , .	6.0	1
367	Yield Estimation of Wheat Using Cropland Masks from European Common Agrarian Policy: Comparing the Performance of EVI2, NDVI, and MTCI in Spanish NUTS-2 Regions. Remote Sensing, 2023, 15, 5423.	4.0	0
368	Integrating Climate Variable Data in Machine Learning Models for Predictive Analytics of Tomato Yields in California. , 2023, , .		0
369	Crop Monitoring System Using MODIS Time-Series Data for Within-Season Prediction of Yield and Production of US Corn and Soybeans. Photogrammetric Engineering and Remote Sensing, 2024, 90, 99-119.	0.6	0
370	Al-Based Prediction of Carrot Yield and Quality on Tropical Agriculture. AgriEngineering, 2024, 6, 361-374.	3.2	0
371	Use of synthetic aperture radar data for the determination of normalized difference vegetation index and normalized difference water index. Journal of Applied Remote Sensing, 2024, 18, .	1.3	0

#	Article	IF	CITATIONS
372	Using Machine Learning Methods Combined with Vegetation Indices and Growth Indicators to Predict Seed Yield of Bromus inermis. Plants, 2024, 13, 773.	3.5	0
373	Leveraging Remotely Sensed and Climatic Data for Improved Crop Yield Prediction in the Chi Basin, Thailand. Sustainability, 2024, 16, 2260.	3.2	0
374	Forecasting Wheat Futures with Convolutional Neural Networks. SSRN Electronic Journal, 0, , .	0.4	0