

Biswajeet Pradhan

List of Publications by Year in Descending Order

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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.

699
papers

32,178
citations

95
h-index

157
g-index

735
ext. papers

39,538
ext. citations

3.7
avg, IF

8.36
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 699 | Spatial Prioritization for Wildfire Mitigation by Integrating Heterogeneous Spatial Data: A New Multi-Dimensional Approach for Tropical Rainforests. <i>Remote Sensing</i> , 2022 , 14, 543 | 5 | 4 |
| 698 | A New Approach to Derive Buildings Footprint from Light Detection and Ranging Data Using Rule-based Learning Techniques and Decision Tree. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 110781 | 4.6 | 1 |
| 697 | SC-RoadDeepNet: A New Shape and Connectivity-preserving Road Extraction Deep Learning-based Network from Remote Sensing Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1 | 8.1 | 2 |
| 696 | Predicting sustainable arsenic mitigation using machine learning techniques.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 232, 113271 | 7 | 1 |
| 695 | Predicting soil erosion susceptibility associated with climate change scenarios in the Central Highlands of Sri Lanka.. <i>Journal of Environmental Management</i> , 2022 , 308, 114589 | 7.9 | 0 |
| 694 | A Comparative Study of Convolutional Neural Networks and Conventional Machine Learning Models for Lithological Mapping Using Remote Sensing Data. <i>Remote Sensing</i> , 2022 , 14, 819 | 5 | 5 |
| 693 | School Location Analysis by Integrating the Accessibility, Natural and Biological Hazards to Support Equal Access to Education. <i>ISPRS International Journal of Geo-Information</i> , 2022 , 11, 12 | 2.9 | 3 |
| 692 | BreaCNet: A high-accuracy breast thermogram classifier based on mobile convolutional neural network.. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 1304-1331 | 2.1 | 1 |
| 691 | Improved Otsu and Kapur approach for white blood cells segmentation based on LebTLBO optimization for the detection of Leukemia.. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 1970-2001 | 2.1 | 2 |
| 690 | Predicting rock displacement in underground mines using improved machine learning-based models. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 188, 110552 | 4.6 | 3 |
| 689 | Swarm intelligence optimization of the group method of data handling using the cuckoo search and whale optimization algorithms to model and predict landslides. <i>Applied Soft Computing Journal</i> , 2022 , 116, 108254 | 7.5 | 4 |
| 688 | Spatial modeling of soil erosion hazards and crop diversity change with rainfall variation in the Central Highlands of Sri Lanka. <i>Science of the Total Environment</i> , 2022 , 806, 150405 | 10.2 | 3 |
| 687 | Landslide susceptibility mapping using CNN-1D and 2D deep learning algorithms: comparison of their performance at Asir Region, KSA. <i>Bulletin of Engineering Geology and the Environment</i> , 2022 , 81, 1 | 4 | 4 |
| 686 | Modelling the Impact of Land Cover Changes on Carbon Storage and Sequestration in the Central Zagros Region, Iran Using Ecosystem Services Approach. <i>Land</i> , 2022 , 11, 423 | 3.5 | 0 |
| 685 | Generalizability assessment of COVID-19 3D CT data for deep learning-based disease detection.. <i>Computers in Biology and Medicine</i> , 2022 , 145, 105464 | 7 | 0 |
| 684 | Temporal LiDAR scanning in quantifying cumulative rockfall volume and hazard assessment: A case study at southwestern Saudi Arabia. <i>Egyptian Journal of Remote Sensing and Space Science</i> , 2022 , 25, 435-443 | 3.4 | |
| 683 | Solving transparency in drought forecasting using attention models.. <i>Science of the Total Environment</i> , 2022 , 155856 | 10.2 | 0 |

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| 682 | A Multidisciplinary Approach for Groundwater Potential Mapping in a Fractured Semi-Arid Terrain (Kerdous Inlier, Western Anti-Atlas, Morocco). <i>Water (Switzerland)</i> , 2022 , 14, 1553 | 3 | 8 |
| 681 | Sentiment Analysis of Customer Reviews of Food Delivery Services Using Deep Learning and Explainable Artificial Intelligence: Systematic Review. <i>Foods</i> , 2022 , 11, 1500 | 4.9 | 1 |
| 680 | Application of Dirichlet Process and Support Vector Machine Techniques for Mapping Alteration Zones Associated with Porphyry Copper Deposit Using ASTER Remote Sensing Imagery. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1235 | 2.4 | 3 |
| 679 | Detection of Iris Presentation Attacks Using Feature Fusion of Thepade's Sorted Block Truncation Coding with Gray-Level Co-Occurrence Matrix Features. <i>Sensors</i> , 2021 , 21, | 3.8 | 2 |
| 678 | Artificial neural networks in drought prediction in the 21st century: A scientometric analysis. <i>Applied Soft Computing Journal</i> , 2021 , 108080 | 7.5 | 9 |
| 677 | A Meta-Learning Approach of Optimisation for Spatial Prediction of Landslides. <i>Remote Sensing</i> , 2021 , 13, 4521 | 5 | 0 |
| 676 | Earthquake Vulnerability Assessment for Urban Areas Using an ANN and Hybrid SWOT-QSPM Model. <i>Remote Sensing</i> , 2021 , 13, 4519 | 5 | 1 |
| 675 | Modeling of Groundwater Potential Using Cloud Computing Platform: A Case Study from Nineveh Plain, Northern Iraq. <i>Water (Switzerland)</i> , 2021 , 13, 3330 | 3 | 1 |
| 674 | Multi-type assessment of global droughts and teleconnections. <i>Weather and Climate Extremes</i> , 2021 , 34, 100402 | 6 | 3 |
| 673 | Factors determining generalization in deep learning models for scoring COVID-CT images. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 9264-9293 | 2.1 | 4 |
| 672 | Effect of spatial resolution and data splitting on landslide susceptibility mapping using different machine learning algorithms. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 3381-3408 | 3.6 | 3 |
| 671 | Detection of Iris Presentation Attacks Using Hybridization of Discrete Cosine Transform and Haar Transform With Machine Learning Classifiers and Ensembles. <i>IEEE Access</i> , 2021 , 9, 169231-169249 | 3.5 | 0 |
| 670 | Identification of Phyllosilicates in the Antarctic Environment Using ASTER Satellite Data: Case Study from the Mesa Range, Campbell and Priestley Glaciers, Northern Victoria Land. <i>Remote Sensing</i> , 2021 , 13, 38 | 5 | 13 |
| 669 | Attention Span Prediction Using Head-Pose Estimation With Deep Neural Networks. <i>IEEE Access</i> , 2021 , 9, 142632-142643 | 3.5 | 4 |
| 668 | Assessing gully erosion susceptibility using topographic derived attributes, multi-criteria decision-making, and machine learning classifiers. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 3035-3062 | 3.6 | 0 |
| 667 | Consideration of spatial heterogeneity in landslide susceptibility mapping using geographical random forest model. <i>Geocarto International</i> , 2021 , 1-20 | 2.7 | 4 |
| 666 | A novel integrated approach of ELM and modified equilibrium optimizer for predicting soil compression index of subgrade layer of Dedicated Freight Corridor. <i>Transportation Geotechnics</i> , 2021 , 100678 | 4 | 5 |
| 665 | Explainable AI in drought forecasting. <i>Machine Learning With Applications</i> , 2021 , 6, 100192 | 6.5 | 2 |

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| 664 | Identification of the Groundwater Potential Recharge Zones Using MCDM Models: Full Consistency Method (FUCOM), Best Worst Method (BWM) and Analytic Hierarchy Process (AHP). <i>Water Resources Management</i> , 2021 , 35, 4727 | 3.7 | 5 |
| 663 | Drought Vulnerability Assessment Using Geospatial Techniques in Southern Queensland, Australia. <i>Sensors</i> , 2021 , 21, | 3.8 | 2 |
| 662 | Orthorectification of WorldView-3 Satellite Image Using Airborne Laser Scanning Data. <i>Journal of Sensors</i> , 2021 , 2021, 1-12 | 2 | 1 |
| 661 | Integrating semantic edges and segmentation information for building extraction from aerial images using UNet. <i>Machine Learning With Applications</i> , 2021 , 6, 100194 | 6.5 | 4 |
| 660 | A New Integrated Approach for Landslide Data Balancing and Spatial Prediction Based on Generative Adversarial Networks (GAN). <i>Remote Sensing</i> , 2021 , 13, 4011 | 5 | 8 |
| 659 | Earthquake vulnerability assessment for the Indian subcontinent using the Long Short-Term Memory model (LSTM). <i>International Journal of Disaster Risk Reduction</i> , 2021 , 66, 102642 | 4.5 | 0 |
| 658 | A new strategy for spatial predictive mapping of mineral prospectivity: Automated hyperparameter tuning of random forest approach. <i>Computers and Geosciences</i> , 2021 , 148, 104688 | 4.5 | 12 |
| 657 | Integrated multi-criteria analysis for groundwater potential mapping in Precambrian hard rock terranes (North Gujarat), India. <i>Hydrological Sciences Journal</i> , 2021 , 66, 961-978 | 3.5 | 11 |
| 656 | Landslide susceptibility assessment along the Dubair-Dudishal section of the Karakoram Highway, Northwestern Himalayas, Pakistan. <i>Acta Geodynamica Et Geomaterialia</i> , 2021 , 137-155 | 1 | 4 |
| 655 | An improved SPEI drought forecasting approach using the long short-term memory neural network. <i>Journal of Environmental Management</i> , 2021 , 283, 111979 | 7.9 | 28 |
| 654 | Earthquake risk assessment in NE India using deep learning and geospatial analysis. <i>Geoscience Frontiers</i> , 2021 , 12, 101110 | 6 | 7 |
| 653 | Estimation of fractal dimension and b-value of earthquakes in the Himalayan region. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1 | 1.8 | 0 |
| 652 | Usage of antecedent soil moisture for improving the performance of rainfall thresholds for landslide early warning. <i>Catena</i> , 2021 , 200, 105147 | 5.8 | 12 |
| 651 | Spatio-Temporal Assessment of Groundwater Potential Zone in the Drought-Prone Area of Bangladesh Using GIS-Based Bivariate Models. <i>Natural Resources Research</i> , 2021 , 30, 3315-3337 | 4.9 | 11 |
| 650 | Impact of evacuation design parameter on users' evacuation time using a multi-agent simulation. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 2355-2369 | 4.4 | 1 |
| 649 | The impact of novel coronavirus (2019-CoV) pandemic movement control order (MCO) on dengue cases in Peninsular Malaysia. <i>One Health</i> , 2021 , 12, 100222 | 7.6 | 4 |
| 648 | Wildland Fire Susceptibility Mapping Using Support Vector Regression and Adaptive Neuro-Fuzzy Inference System-Based Whale Optimization Algorithm and Simulated Annealing. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 382 | 2.9 | 6 |
| 647 | Earthquake-Induced Building-Damage Mapping Using Explainable AI (XAI). <i>Sensors</i> , 2021 , 21, | 3.8 | 6 |

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|-----|---|------|----|
| 646 | Assessment of groundwater potential in terms of the availability and quality of the resource: a case study from Iraq. <i>Environmental Earth Sciences</i> , 2021 , 80, 1 | 2.9 | 5 |
| 645 | A Novel Technique for Modeling Ecosystem Health Condition: A Case Study in Saudi Arabia. <i>Remote Sensing</i> , 2021 , 13, 2632 | 5 | 6 |
| 644 | A hybrid model using data mining and multi-criteria decision-making methods for landslide risk mapping at Golestan Province, Iran. <i>Environmental Earth Sciences</i> , 2021 , 80, 1 | 2.9 | 2 |
| 643 | New hybrid evolutionary algorithm for optimizing index-based groundwater vulnerability assessment method. <i>Journal of Hydrology</i> , 2021 , 598, 126446 | 6 | 7 |
| 642 | Weather indicators and improving air quality in association with COVID-19 pandemic in India. <i>Soft Computing</i> , 2021 , 1-22 | 3.5 | 2 |
| 641 | Homomorphic Filtering and Phase-Based Matching for Cross-Spectral Cross-Distance Face Recognition. <i>Sensors</i> , 2021 , 21, | 3.8 | 1 |
| 640 | Road Extraction from High-Resolution Orthophoto Images Using Convolutional Neural Network 2021 , 49, 569-583 | | 7 |
| 639 | Spatial landslide susceptibility assessment using machine learning techniques assisted by additional data created with generative adversarial networks. <i>Geoscience Frontiers</i> , 2021 , 12, 625-637 | 6 | 33 |
| 638 | Runout modeling and calibration of friction parameters of Kurichermala debris flow, India. <i>Landslides</i> , 2021 , 18, 737-754 | 6.6 | 14 |
| 637 | Long lead time drought forecasting using lagged climate variables and a stacked long short-term memory model. <i>Science of the Total Environment</i> , 2021 , 755, 142638 | 10.2 | 33 |
| 636 | Agricultural drought risk assessment of Northern New South Wales, Australia using geospatial techniques. <i>Science of the Total Environment</i> , 2021 , 756, 143600 | 10.2 | 14 |
| 635 | Integrating multilayer perceptron neural nets with hybrid ensemble classifiers for deforestation probability assessment in Eastern India. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 29-62 | 3.6 | 11 |
| 634 | Flood susceptibility assessment using extreme gradient boosting (EGB), Iran. <i>Earth Science Informatics</i> , 2021 , 14, 51-67 | 2.5 | 21 |
| 633 | Oil spill trajectory modelling and environmental vulnerability mapping using GNOME model and GIS. <i>Environmental Pollution</i> , 2021 , 268, 115812 | 9.3 | 11 |
| 632 | Coastal erosion vulnerability assessment along the eastern coast of Bangladesh using geospatial techniques. <i>Ocean and Coastal Management</i> , 2021 , 199, 105408 | 3.9 | 18 |
| 631 | Flood susceptibility prediction using four machine learning techniques and comparison of their performance at Wadi Qena Basin, Egypt. <i>Natural Hazards</i> , 2021 , 105, 83-114 | 3 | 24 |
| 630 | . <i>IEEE Access</i> , 2021 , 9, 107375-107386 | 3.5 | 1 |
| 629 | Pixel and Object-Based Machine Learning Classification Schemes for Lithological Mapping Enhancement of Semi-Arid Regions Using Sentinel-2A Imagery: A Case Study of the Southern Moroccan Meseta. <i>IEEE Access</i> , 2021 , 9, 119262-119278 | 3.5 | 0 |

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| 628 | Improving Road Semantic Segmentation Using Generative Adversarial Network. <i>IEEE Access</i> , 2021 , 9, 64381-64392 | 3.5 | 14 |
| 627 | Prediction of gully erosion susceptibility mapping using novel ensemble machine learning algorithms. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 469-498 | 3.6 | 19 |
| 626 | GIS Application in Water Resource Management. <i>Springer Water</i> , 2021 , 125-152 | 0.3 | |
| 625 | Behavior Prediction of Traffic Actors for Intelligent Vehicle Using Artificial Intelligence Techniques: A Review. <i>IEEE Access</i> , 2021 , 1-1 | 3.5 | 1 |
| 624 | A hybrid model of environmental impact assessment of PM2.5 concentration using multi-criteria decision-making (MCDM) and geographical information system (GIS) case study. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1 | 1.8 | 3 |
| 623 | Cyclone vulnerability assessment of the western coast of Bangladesh. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 198-221 | 3.6 | 6 |
| 622 | Barrier Islands Resilience to Extreme Events: Do Earthquake and Tsunami Play a Role?. <i>Water (Switzerland)</i> , 2021 , 13, 178 | 3 | 2 |
| 621 | . <i>IEEE Access</i> , 2021 , 9, 82300-82317 | 3.5 | 6 |
| 620 | ADMT: Advanced Driver Movement Tracking System Using Spatio-Temporal Interest Points and Maneuver Anticipation Using Deep Neural Networks. <i>IEEE Access</i> , 2021 , 9, 99312-99326 | 3.5 | 1 |
| 619 | Machine learning algorithm for flash flood prediction mapping in Wadi El-Laqeita and surroundings, Central Eastern Desert, Egypt. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1 | 1.8 | 11 |
| 618 | Forecasting Landslides Using Mobility Functions: A Case Study from Idukki District, India 2021 , 51, 684-693 | | 3 |
| 617 | Suspended sediment load prediction using artificial intelligence techniques: comparison between four state-of-the-art artificial neural network techniques. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1 | 1.8 | 13 |
| 616 | Urban Vegetation Mapping from Aerial Imagery Using Explainable AI (XAI). <i>Sensors</i> , 2021 , 21, | 3.8 | 16 |
| 615 | Developing vehicular traffic noise prediction model through ensemble machine learning algorithms with GIS. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1 | 1.8 | 3 |
| 614 | Landslide Susceptibility Modeling: An Integrated Novel Method Based on Machine Learning Feature Transformation. <i>Remote Sensing</i> , 2021 , 13, 3281 | 5 | 11 |
| 613 | Traffic Noise Modelling Using Land Use Regression Model Based on Machine Learning, Statistical Regression and GIS. <i>Energies</i> , 2021 , 14, 5095 | 3.1 | 0 |
| 612 | Performance Evaluation of Long NDVI Timeseries from AVHRR, MODIS and Landsat Sensors over Landslide-Prone Locations in Qinghai-Tibetan Plateau. <i>Remote Sensing</i> , 2021 , 13, 3172 | 5 | 2 |
| 611 | Spatial landslide susceptibility mapping using integrating an adaptive neuro-fuzzy inference system (ANFIS) with two multi-criteria decision-making approaches. <i>Theoretical and Applied Climatology</i> , 2021 , 146, 489-509 | 3 | 3 |

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| 610 | Developing a volunteered geographic information-based system for rapidly estimating damage from natural disasters. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1 | 1.8 | |
| 609 | Energy Consumption and Spatial Assessment of Renewable Energy Penetration and Building Energy Efficiency in Malaysia: A Review. <i>Sustainability</i> , 2021 , 13, 9244 | 3.6 | 7 |
| 608 | Spatial Prediction of Groundwater Potentiality in Large Semi-Arid and Karstic Mountainous Region Using Machine Learning Models. <i>Water (Switzerland)</i> , 2021 , 13, 2273 | 3 | 8 |
| 607 | Integrated technique of segmentation and classification methods with connected components analysis for road extraction from orthophoto images. <i>Expert Systems With Applications</i> , 2021 , 176, 114908 | 7.8 | 19 |
| 606 | Multi-Object Segmentation in Complex Urban Scenes from High-Resolution Remote Sensing Data. <i>Remote Sensing</i> , 2021 , 13, 3710 | 5 | 12 |
| 605 | Comparison between Deep Learning and Tree-Based Machine Learning Approaches for Landslide Susceptibility Mapping. <i>Water (Switzerland)</i> , 2021 , 13, 2664 | 3 | 2 |
| 604 | Factors Affecting Landslide Susceptibility Mapping: Assessing the Influence of Different Machine Learning Approaches, Sampling Strategies and Data Splitting. <i>Land</i> , 2021 , 10, 989 | 3.5 | 3 |
| 603 | Improvement of landslide spatial modeling using machine learning methods and two Harris hawks and bat algorithms. <i>Egyptian Journal of Remote Sensing and Space Science</i> , 2021 , 24, 845-845 | 3.4 | 1 |
| 602 | Estimation of ground subsidence of New Delhi, India using PS-InSAR technique and Multi-sensor Radar data. <i>Advances in Space Research</i> , 2021 , 69, 1863-1863 | 2.4 | 5 |
| 601 | Hybrid ensemble machine learning approaches for landslide susceptibility mapping using different sampling ratios at East Sikkim Himalayan, India. <i>Advances in Space Research</i> , 2021 , 68, 2819-2840 | 2.4 | 12 |
| 600 | Forecasting monthly copper price: A comparative study of various machine learning-based methods. <i>Resources Policy</i> , 2021 , 73, 102189 | 7.2 | 7 |
| 599 | Proposing two novel hybrid intelligence models for forecasting copper price based on extreme learning machine and meta-heuristic algorithms. <i>Resources Policy</i> , 2021 , 73, 102195 | 7.2 | 9 |
| 598 | APG: A novel python-based ArcGIS toolbox to generate absence-datasets for geospatial studies. <i>Geoscience Frontiers</i> , 2021 , 12, 101232 | 6 | 1 |
| 597 | Proposing an ecologically viable and economically sound farming system using a matrix-based geo-informatics approach. <i>Science of the Total Environment</i> , 2021 , 794, 148788 | 10.2 | 2 |
| 596 | Understanding future urban growth, urban resilience and sustainable development of small cities using prediction-adaptation-resilience (PAR) approach. <i>Sustainable Cities and Society</i> , 2021 , 74, 103196 | 10.1 | 8 |
| 595 | A hybridized model based on neural network and swarm intelligence-grey wolf algorithm for spatial prediction of urban flood-inundation. <i>Journal of Hydrology</i> , 2021 , 603, 126854 | 6 | 4 |
| 594 | Interpretable and explainable AI (XAI) model for spatial drought prediction. <i>Science of the Total Environment</i> , 2021 , 801, 149797 | 10.2 | 14 |
| 593 | Robustness analysis of machine learning classifiers in predicting spatial gully erosion susceptibility with altered training samples. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 794-828 | 3.6 | 6 |

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| 592 | Spatial assessment of drought vulnerability using fuzzy-analytical hierarchical process: a case study at the Indian state of Odisha. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 123-153 | 3.6 | 6 |
| 591 | Spatio-temporal simulation of future urban growth trends using an integrated CA-Markov model. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1 | 1.8 | 10 |
| 590 | Using Susceptible-Exposed-Infectious-Recovered Model to Forecast Coronavirus Outbreak. <i>Computers, Materials and Continua</i> , 2021 , 67, 1595-1612 | 3.9 | 16 |
| 589 | Forecasting landslides using SIGMA model: a case study from Idukki, India. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 540-559 | 3.6 | 5 |
| 588 | Using Field-Based Monitoring to Enhance the Performance of Rainfall Thresholds for Landslide Warning. <i>Water (Switzerland)</i> , 2020 , 12, 3453 | 3 | 11 |
| 587 | Earthquake Social Vulnerability Assessment Using Entropy Method. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 540, 012079 | 0.3 | 2 |
| 586 | A Review on Assessing and Mapping Soil Erosion Hazard Using Geo-Informatics Technology for Farming System Management. <i>Remote Sensing</i> , 2020 , 12, 4063 | 5 | 7 |
| 585 | Implementation of Artificial Intelligence Based Ensemble Models for Gully Erosion Susceptibility Assessment. <i>Remote Sensing</i> , 2020 , 12, 3620 | 5 | 30 |
| 584 | Novel Ensemble of Multivariate Adaptive Regression Spline with Spatial Logistic Regression and Boosted Regression Tree for Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 3284 | 5 | 17 |
| 583 | Assessing Soil Erosion Hazards Using Land-Use Change and Landslide Frequency Ratio Method: A Case Study of Sabaragamuwa Province, Sri Lanka. <i>Remote Sensing</i> , 2020 , 12, 1483 | 5 | 29 |
| 582 | Deep Learning Approaches Applied to Remote Sensing Datasets for Road Extraction: A State-Of-The-Art Review. <i>Remote Sensing</i> , 2020 , 12, 1444 | 5 | 73 |
| 581 | Comparative performance of new hybrid ANFIS models in landslide susceptibility mapping. <i>Natural Hazards</i> , 2020 , 103, 1961-1988 | 3 | 19 |
| 580 | Spatial Landslide Risk Assessment at Phuentsholing, Bhutan. <i>Geosciences (Switzerland)</i> , 2020 , 10, 131 | 2.7 | 26 |
| 579 | IoT-Based Geotechnical Monitoring of Unstable Slopes for Landslide Early Warning in the Darjeeling Himalayas. <i>Sensors</i> , 2020 , 20, | 3.8 | 29 |
| 578 | Rainfall Threshold Estimation and Landslide Forecasting for Kalimpong, India Using SIGMA Model. <i>Water (Switzerland)</i> , 2020 , 12, 1195 | 3 | 19 |
| 577 | Persistent Scatterer Interferometry in the post-event monitoring of the Idukki Landslides. <i>Geocarto International</i> , 2020 , 1-15 | 2.7 | 7 |
| 576 | Machine Learning-Based and 3D Kinematic Models for Rockfall Hazard Assessment Using LiDAR Data and GIS. <i>Remote Sensing</i> , 2020 , 12, 1755 | 5 | 11 |
| 575 | Evaluating the Performance of Individual and Novel Ensemble of Machine Learning and Statistical Models for Landslide Susceptibility Assessment at Rudraprayag District of Garhwal Himalaya. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3772 | 2.6 | 28 |

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| 574 | Unseen Land Cover Classification from High-Resolution Orthophotos Using Integration of Zero-Shot Learning and Convolutional Neural Networks. <i>Remote Sensing</i> , 2020 , 12, 1676 | 5 | 29 |
| 573 | Privacy-preserving cooperative localization in vehicular edge computing infrastructure. <i>Concurrency Computation Practice and Experience</i> , 2020 , e5827 | 1.4 | 2 |
| 572 | Temporal Hydrological Drought Index Forecasting for New South Wales, Australia Using Machine Learning Approaches. <i>Atmosphere</i> , 2020 , 11, 585 | 2.7 | 25 |
| 571 | Optimizing an Adaptive Neuro-Fuzzy Inference System for Spatial Prediction of Landslide Susceptibility Using Four State-of-the-art Metaheuristic Techniques. <i>Sensors</i> , 2020 , 20, | 3.8 | 43 |
| 570 | Forecasting of Landslides Using Rainfall Severity and Soil Wetness: A Probabilistic Approach for Darjeeling Himalayas. <i>Water (Switzerland)</i> , 2020 , 12, 804 | 3 | 20 |
| 569 | Spatial modelling of gully erosion in the Ardib River Watershed using three statistical-based techniques. <i>Catena</i> , 2020 , 190, 104545 | 5.8 | 18 |
| 568 | Meta-heuristic algorithms in optimizing GALDIT framework: A comparative study for coastal aquifer vulnerability assessment. <i>Journal of Hydrology</i> , 2020 , 585, 124768 | 6 | 23 |
| 567 | Short-Term Spatio-Temporal Drought Forecasting Using Random Forests Model at New South Wales, Australia. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4254 | 2.6 | 29 |
| 566 | A Review of Models Used for Investigating Barriers to Healthcare Access in Australia. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17, | 4.6 | 1 |
| 565 | Novel Ensemble Approaches of Machine Learning Techniques in Modeling the Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 1890 | 5 | 23 |
| 564 | A Review on Recent Progress in Thermal Imaging and Deep Learning Approaches for Breast Cancer Detection. <i>IEEE Access</i> , 2020 , 8, 116176-116194 | 3.5 | 23 |
| 563 | Improvement of Best First Decision Trees Using Bagging and Dagging Ensembles for Flood Probability Mapping. <i>Water Resources Management</i> , 2020 , 34, 3037-3053 | 3.7 | 57 |
| 562 | A comparative study of THG, AS, TA, Theta, TDX and LTHG techniques for improving source boundaries detection of magnetic data using synthetic models: A case study from G. Um Monqul, North Eastern Desert, Egypt. <i>Journal of African Earth Sciences</i> , 2020 , 170, 103940 | 2.2 | 28 |
| 561 | An investigation into seasonal variations of groundwater nitrate by spatial modelling strategies at two levels by kriging and co-kriging models. <i>Journal of Environmental Management</i> , 2020 , 270, 110843 | 7.9 | 8 |
| 560 | Integrated ANN-cross-validation and AHP-TOPSIS model to improve earthquake risk assessment. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 50, 101723 | 4.5 | 25 |
| 559 | Hybridized neural fuzzy ensembles for dust source modeling and prediction. <i>Atmospheric Environment</i> , 2020 , 224, 117320 | 5.3 | 28 |
| 558 | Temporal Probability Assessment and Its Use in Landslide Susceptibility Mapping for Eastern Bhutan. <i>Water (Switzerland)</i> , 2020 , 12, 267 | 3 | 23 |
| 557 | Estimating rainfall threshold and temporal probability for landslide occurrences in Darjeeling Himalayas. <i>Geosciences Journal</i> , 2020 , 24, 225-233 | 1.4 | 11 |

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| 556 | A methodological comparison of head-cut based gully erosion susceptibility models: Combined use of statistical and artificial intelligence. <i>Geomorphology</i> , 2020 , 359, 107136 | 4.3 | 20 |
| 555 | Fuzzy-metaheuristic ensembles for spatial assessment of forest fire susceptibility. <i>Journal of Environmental Management</i> , 2020 , 260, 109867 | 7.9 | 47 |
| 554 | Gully Head-Cut Distribution Modeling Using Machine Learning Methods: A Case Study of N.W. Iran. <i>Water (Switzerland)</i> , 2020 , 12, 16 | 3 | 21 |
| 553 | Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. <i>Sensors</i> , 2020 , 20, | 3.8 | 24 |
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