

DAFTAR PUSTAKA

- Achanta, R., & Süsstrunk, S. (2017). Superpixels and Polygons using Simple Non-Iterative Clustering. *Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017, 2017-Janua(Ic)*, 4895–4904. <https://doi.org/10.1109/CVPR.2017.520>
- Amani, M., Ghorbanian, A., Ahmadi, S. A., Kakooei, M., Moghimi, A., Mirmazloumi, S. M., Moghaddam, S. H. A., Mahdavi, S., Ghahremanloo, M., Parsian, S., Wu, Q., & Brisco, B. (2020). Google Earth Engine Cloud Computing Platform for Remote Sensing Big Data Applications: A Comprehensive Review. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 13, 5326–5350. <https://doi.org/10.1109/JSTARS.2020.3021052>
- Amriyah, Q., Arief, R., Dyatmika, H. S., & Maulana, R. (2019). Analisis Perbandingan Data Level-1 Sentinel 1A/B (Data SLC dan GRD) Menggunakan Software SNAP dan GAMMA. *Seminar Nasional Penginderaan Jauh Ke-6 Tahun 2019 Analisis*, 533–543.
- Ariyantoni, J., & Rokhmana, C. A. (2020). Evaluasi Polarisasi Citra Sar (Syththetic Aperture Radar) Untuk Klasifikasi Obyek Tutupan Lahan. *Elipsoida : Jurnal Geodesi Dan Geomatika*, 3(01), 22–29. <https://doi.org/10.14710/elipsoida.2020.7761>
- Bhattacharjee, D. (2013). Optimum Index Factor (OIF) for Landsat Data: Case Study on Barasat Town West Bengal, India. *International Journal of Remote Sensing & Geoscience (IJRSG)*, 2(5), 11–17.
- Blaschke, T., Hay, G. J., Kelly, M., Lang, S., Hofmann, P., Addink, E., Queiroz Feitosa, R., van der Meer, F., van der Werff, H., van Coillie, F., & Tiede, D. (2014). Geographic Object-Based Image Analysis - Towards A New Paradigm. *ISPRS Journal of Photogrammetry and Remote Sensing*, 87, 180–191. <https://doi.org/10.1016/j.isprsjprs.2013.09.014>
- Blaschke, Thomas. (2010). Object Based Image Analysis for Remote Sensing. *ISPRS Journal of Photogrammetry and Remote Sensing*, 65(1), 2–16. <https://doi.org/10.1016/j.isprsjprs.2009.06.004>
- Breiman, L. (2001). Random Forests. *Machine Learning*, 45, 5–32. <https://doi.org/https://doi.org/10.1023/A:1010933404324>
- Chavez, P. S., Berlin, G. L., & Sowers, L. B. (1982). Statistical Method for Selecting Landsat MSS Ratios. *Journal of Applied Photographic Engineering*, 8(1), 23–30.
- Chen, G., Weng, Q., Hay, G. J., & He, Y. (2018). Geographic Object-Based Image Analysis (GEOBIA): Emerging Trends and Future Opportunities. *GIScience and Remote Sensing*, 55(2), 159–182. <https://doi.org/10.1080/15481603.2018.1426092>
- Cheng, J., Sun, G., Zhang, A., Fu, H., Jiao, Z., & Yao, Y. (2021). Synergetic Use of Descending and Ascending SAR With Optical Data for Impervious Surface Mapping. *International Geoscience and Remote Sensing Symposium (IGARSS), 2021-July*, 4272–4275. <https://doi.org/10.1109/IGARSS47720.2021.9553144>
- Congalton, R. G. (1991). A Review of Assessing the Accuracy of Classifications of

- Remotely Sensed Data. *Remote Sensing of Environment*, 37(1), 35–46. [https://doi.org/10.1016/0034-4257\(91\)90048-B](https://doi.org/10.1016/0034-4257(91)90048-B)
- Corbane, C., Lemoine, G., Pesaresi, M., Kemper, T., Syrris, V., & Ferri, S. (2018). Enhanced Automatic Detection of Human Settlements using Sentinel-1 Interferometric Coherence. *International Journal of Remote Sensing*, 39(3), 842–853. <https://doi.org/10.1080/01431161.2017.1392642>
- Csillik, O. (2017). Fast Segmentation and Classification of Very High Resolution Remote Sensing Data using SLIC Superpixels. *Remote Sensing*, 9(3). <https://doi.org/10.3390/rs9030243>
- Dwi A., F., & Rokhmana, C. A. (2019). Ekstraksi Bangunan pada Ortofoto Menggunakan Teknik Klasifikasi Citra Berbasis Objek. *Elipsoida, Volume 02(02)*, 45–52.
- ESA. (2012a). Sentinel-1: ESA's Radar Observatory Mission for GMES Operational Services. In *ESA Special Publication* (Vol. 1, Issue 1322). ESA Special Publication. https://sentinel.esa.int/documents/247904/349449/S1_SP-1322_1.pdf
- ESA. (2012b). *Sentinel-2: ESA's Optical High-Resolution Mission for GMES Operational Services*. ESA Special Publication. https://sentinel.esa.int/documents/247904/349490/s2_sp-1322_2.pdf
- ESA. (2015a). *Sentinel-2 Operations*. diakses pada: 16 Oktober 2023. https://www.esa.int/Enabling_Support/Operations/Sentinel-2_operations
- ESA. (2015b). Sentinel-2 User Handbook. In *ESA Standard Document*. https://sentinels.copernicus.eu/web/sentinel/user-guides/document-library/-/asset_publisher/xslst4309D5h/content/sentinel-2-user-handbook
- ESA. (2022). *Mission Ends for Copernicus Sentinel-1B Satellite*. diakses pada: 16 Oktober 2023. https://www.esa.int/Applications/Observing_the_Earth/Copernicus/Sentinel-1/Mission_ends_for_Copernicus_Sentinel-1B_satellite
- Farizkhar, Somantri, L., & Himayah, S. (2022). Pemanfaatan Object-Based Image Analysis (OBIA) pada Citra SPOT-6 untuk Identifikasi Jenis Penutup Lahan Vegetasi di Kota Bogor. *JPIG (Jurnal Pendidikan Dan Ilmu Geografi)*, 7(1), 53–61. <https://doi.org/10.21067/jpig.v7i1.6546>
- Firozjaei, M. K., Sedighi, A., Kiavarz, M., Qureshi, S., Haase, D., & Alavipanah, S. K. (2019). Automated Built-up Extraction Index: A New Technique for Mapping Surface Built-up Areas Using LANDSAT 8 OLI Imagery. *Remote Sensing*, 11(17). <https://doi.org/10.3390/rs11171966>
- Foody, G. M. (2002). Status of Land Cover Classification Accuracy Assessment. *Remote Sensing of Environment*, 80, 185–201. [https://doi.org/https://doi.org/10.1016/S0034-4257\(01\)00295-4](https://doi.org/https://doi.org/10.1016/S0034-4257(01)00295-4)
- Frantz, D., Schug, F., Okujeni, A., Navacchi, C., Wagner, W., van der Linden, S., & Hostert, P. (2021). National-Scale Mapping of Building Height using Sentinel-1 and Sentinel-2 Time Series. *Remote Sensing of Environment*, 252(October), 112128. <https://doi.org/10.1016/j.rse.2020.112128>
- Gao, B.-C. (1996). NDWI - A Normalized Difference Water Index for Remote Sensing of Vegetation Liquid Water From Space. *Remote Sensing of Environment*, 58(3), 257–266. [https://doi.org/https://doi.org/10.1016/S0034-4257\(96\)00067-3](https://doi.org/https://doi.org/10.1016/S0034-4257(96)00067-3)
- GEE. (2023). *ee.Classifier.smileRandomForest*. diakses pada: 7 Desember 2023.

- <https://developers.google.com/earth-engine/apidocs/ee-classifier-smilerandom-forest>
- Gorelick, N., Hancher, M., Dixon, M., Ilyushchenko, S., Thau, D., & Moore, R. (2017). Google Earth Engine: Planetary-Scale Geospatial Analysis for Everyone. *Remote Sensing of Environment*, 202, 18–27. <https://doi.org/10.1016/j.rse.2017.06.031>
- Guo, K., Wan, X., Liu, L., Gao, Z., & Yang, M. (2021). Fault Diagnosis of Intelligent Production Line Based on Digital Twin and Improved Random Forest. *Applied Sciences (Switzerland)*, 11(16). <https://doi.org/10.3390/app11167733>
- Haralick, R. M., Dinstein, I., & Shanmugam, K. (1973). Textural Features for Image Classification. *IEEE Transactions on Systems, Man and Cybernetics*, SMC-3(6), 610–621. <https://doi.org/10.1109/TSMC.1973.4309314>
- Hay, G. J., & Castilla, G. (2006). Object Based Image Analysis: Strengths, Weaknesses, Opportunities and Threats (SWOT). *ISPRS Archives – Volume XXXVI-4/C42, 2006*, 36, 3.
- Hernandez, I. E. R., & Shi, W. (2018). A Random Forests Classification Method for Urban Land-Use Mapping Integrating Spatial Metrics and Texture Analysis. *International Journal of Remote Sensing*, 39(4), 1175–1198. <https://doi.org/10.1080/01431161.2017.1395968>
- Hidayati, I. N., Suharyadi, R., & Danoedoro, P. (2018). Developing an Extraction Method of Urban Built-Up Area Based on Remote Sensing Imagery Transformation Index. *Forum Geografi*, 32(1), 96–108. <https://doi.org/10.23917/forgeo.v32i1.5907>
- Hofmann, P., Strobl, J., Blaschke, T., & Kux, H. (2008). Detecting Informal Settlements from QuickBird Data in Rio de Janeiro using An Object-Based Approach. *Lecture Notes in Geoinformation and Cartography*, 0(9783540770572), 531–553. https://doi.org/10.1007/978-3-540-77058-9_29
- Hossain, M. D., & Chen, D. (2019). Segmentation for Object-Based Image Analysis (OBIA): A Review of Algorithms and Challenges from Remote Sensing Perspective. *ISPRS Journal of Photogrammetry and Remote Sensing*, 150(November 2018), 115–134. <https://doi.org/10.1016/j.isprsjprs.2019.02.009>
- Hu, J., Ghamisi, P., & Zhu, X. X. (2018). Feature Extraction and Selection of Sentinel-1 Dual-Pol Data for Global-Scale Local Climate Zone Classification. *ISPRS International Journal of Geo-Information*, 7(9), 1–21. <https://doi.org/10.3390/ijgi7090379>
- Huang, X., & Jensen, J. R. (1997). A Machine-Learning Approach to Automated Knowledge-Base Building for Remote Sensing Image Analysis with GIS Data. *Photogrammetric Engineering & Remote Sensing*, 63(10), 1185–1194. https://www.asprs.org/wp-content/uploads/pers/1997journal/oct/1997_oct_1185-1194.pdf
- Huete, A. R. (1988). Comparative Studies on IFAT, ELISA & DAT for Serodiagnosis of Visceral Leishmaniasis in Bangladesh. *Remote Sensing of Environment*, 25(1), 295–309. [https://doi.org/https://doi.org/10.1016/0034-4257\(88\)90106-X](https://doi.org/https://doi.org/10.1016/0034-4257(88)90106-X)
- Hurwitz, J., & Kirsch, D. (2018). *Machine Learning For Dummies*. John Wiley & Sons, Inc., Hoboken, New Jersey.

- Jensen, J. R. (2015). *Introductory Digital Image Processing: A Remote Sensing Perspective* (4th Editio). Pearson.
- Ji, H., Li, X., Wei, X., Liu, W., Zhang, L., & Wang, L. (2020). Mapping 10-m Resolution Rural Settlements using Multi-Source Remote Sensing Datasets with The Google Earth Engine Platform. *Remote Sensing*, *12*(17), 1–23. <https://doi.org/10.3390/rs12172832>
- Juniati, E. (2018). *2D Semantic Labeling Penutup Lahan di Area Urban dengan Analisis Berbasis Objek Dari Foto Udara dan LiDAR*. Tesis. Universitas Gadjah Mada.
- Kawamura, M., Jayamanna, S., & Tsujiko, Y. (1996). Relation Between Social and Environmental Conditions in Colombo, Srilanka and The Urban Index Estimated by Satellite Remote Sensing Data. *International Archives of Photogrammetry and Remote Sensing*, *XXXI*. https://doi.org/10.1007/978-981-13-3068-1_7
- Kete, S. C. R., Suprihatin, Tarigan, S. D., & Effendi, H. (2019). Land Use Classification Based on Object and Pixel using Landsat 8 OLI in Kendari City, Southeast Sulawesi Province, Indonesia. *IOP Conference Series: Earth and Environmental Science*, *284*(1). <https://doi.org/10.1088/1755-1315/284/1/012019>
- Kpienbaareh, D., Sun, X., Wang, J., Luginaah, I., Kerr, R. B., Lupafya, E., & Dakishoni, L. (2021). Crop Type and Land Cover Mapping in Northern Malawi Using The Inegration of Sentinel-1, Sentinel-2, and PlanetScope Satellite Data. *Remote Sensing*, *13*(4), 1–21. <https://doi.org/10.3390/rs13040700>
- Kushardono, D. (2012). Klasifikasi Spasial Penutup Lahan Dengan Data Sar Dual-Polarisasi Menggunakan Normalized Difference Polarization Index Dan Fitur Keruangan Dari Matrik Kookurensi (Spatial Land Cover Classification Using Dual-Polarization Sar Data Based on Normalized Diff. *Jurnal Penginderaan Jauh*, *9*(1), 12–24.
- Kustianingrum, D., Embunpagi, B., Riska, A. N., & Indraswari, D. (2015). Pola Spasial Permukiman Kampoeng Batik Laweyan, Surakarta. *Reka Karsa*, *3*(1), 1–13. <https://doi.org/https://doi.org/10.26760/rekakarsa.v3i1.630>
- Lucchese, L., & Mitray, S. K. (2001). Color Image Segmentation: A State-of-The-Art Survey. *Proceedings of the Indian National Science Academy (INSA-A). Delhi, Indian: Natl Sci Acad*, *67*, 207–221.
- Luo, C., Qi, B., Liu, H., Guo, D., Lu, L., Fu, Q., & Shao, Y. (2021). Using Time Series Sentinel-1 Images for Object-Oriented Crop Classification in Google Earth Engine. *Remote Sensing*, *13*(4), 1–19. <https://doi.org/10.3390/rs13040561>
- Matarira, D., Mutanga, O., & Naidu, M. (2022). Google Earth Engine for Informal Settlement Mapping: A Random Forest Classification Using Spectral and Textural Information. *Remote Sensing*, *14*(20). <https://doi.org/10.3390/rs14205130>
- Matarira, D., Mutanga, O., Naidu, M., & Vizzari, M. (2023). Object-Based Informal Settlement Mapping in Google Earth Engine Using the Integration of Sentinel-1, Sentinel-2, and PlanetScope Satellite Data. *Land*, *12*, 1–17. <https://doi.org/https://doi.org/10.3390/land12010099>
- Moghadam, H. S., Khazaei, M., Alavipanah, S. K., & Weng, Q. (2021). Google Earth Engine for Large-Scale Land Use and Land Cover Mapping: An Object-Based Classification Approach using Spectral, Textural and Topographical

- Factors. *GIScience and Remote Sensing*, 58(6), 914–928. <https://doi.org/10.1080/15481603.2021.1947623>
- Mulyawan, I. (2019). Pola Distribusi Permukiman di Kabupaten Kuningan. *Jurnal Perencana Kabupaten Kuningan*, 1–7.
- Mursalim, M. K. N., & Verdian, I. (2020). Analisis Perbandingan Kinerja Metode Superpixel dan Gradien berbasis Edge Detector pada Pendeteksian Objek Bergerak. *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, 8(2), 362. <https://doi.org/10.26760/elkomika.v8i2.362>
- Norman, M., Shafri, H. Z. M., Idrees, M. O., Mansor, S., & Yusuf, B. (2020). Spatio-Statistical Optimization of Image Segmentation Process for Building Footprint Extraction using Very High-Resolution WorldView 3 Satellite Data. *Geocarto International*, 35(10), 1124–1147. <https://doi.org/10.1080/10106049.2019.1573853>
- Norman, M., Shahar, H. M., Mohamad, Z., Rahim, A., Mohd, F. A., & Shafri, H. Z. M. (2021). Urban Building Detection using Object-Based Image Analysis (OBIA) and Machine Learning (ML) Algorithms. *IOP Conference Series: Earth and Environmental Science*, 620(1). <https://doi.org/10.1088/1755-1315/620/1/012010>
- Oktaviani, N., & Kusuma, H. A. (2017). Pengenalan Citra Satelit Sentinel-2 Untuk Pemetaan Kelautan. *Oseana*, 42(3), 40–55. <https://doi.org/10.14203/oseana.2017.vol.42no.3.84>
- Ponganan, N., Horanont, T., Artlert, K., & Nuallaong, P. (2021). Land Cover Classification using Google Earth Engine's Object-Oriented and Machine Learning Classifier. *2021 2nd International Conference on Big Data Analytics and Practices, IBDAP 2021*, 33–37. <https://doi.org/10.1109/IBDAP52511.2021.9552099>
- Potin, P., Rosich, B., Miranda, N., & Grimont, P. (2016). Sentinel-1 Mission Status. *Procedia Computer Science*, 100, 1297–1304. <https://doi.org/10.1016/j.procs.2016.09.245>
- Qu, L., Chen, Z., Li, M., Zhi, J., & Wang, H. (2021). Accuracy Improvements to Pixel-Based and Object-Based LULC Classification with Auxiliary Datasets from Google Earth Engine. *Remote Sensing*, 13(3). <https://doi.org/10.3390/rs13030453>
- Republik Indonesia. (2011). *Undang-Undang Republik Indonesia Nomor 1 Tahun 2011 Tentang Perumahan dan Kawasan Permukiman*.
- Rodriguez-Galiano, V. F., Ghimire, B., Rogan, J., Chica-Olmo, M., & Rigol-Sanchez, J. P. (2012). An Assessment of The Effectiveness of A Random Forest Classifier for Land-Cover Classification. *ISPRS Journal of Photogrammetry and Remote Sensing*, 67(1), 93–104. <https://doi.org/10.1016/j.isprsjprs.2011.11.002>
- Rudiastuti, A. W., Farda, N. M., & Ramdani, D. (2021). Mapping Built-Up Land & Settlements : A Comparison of Machine Learning Algorithms. *Proceedings Volume 12082, Seventh Geoinformation Science Symposium 2021*. <https://doi.org/10.1117/12.2619493>
- Rudiastuti, A. W., Lumban-Gaol, Y., Silalahi, F. E. S., Prihanto, Y., & Pranowo, W. S. (2022). Implementing Random Forest Algorithm in GEE: Separation and Transferability on Built-Up Area in Central Java, Indonesia. *International*

- Journal of Informatics Visualization*, 6, 74–82.
<https://doi.org/http://dx.doi.org/10.30630/joiv.6.1.873>
- Sibaruddin, H. I., Shafri, H. Z. M., Pradhan, B., & Haron, N. A. (2018). Comparison of Pixel-Based and Object-Based Image Classification Techniques in Extracting Information from UAV Imagery Data. *IOP Conference Series: Earth and Environmental Science*, 169(1). <https://doi.org/10.1088/1755-1315/169/1/012098>
- Sunarti. (2019). *Buku Ajar Perumahan Dan Permukiman Undip Press Semarang* (Edisi I). Undip Press Semarang.
- Susetyo, D. B., Syafiudin, M. F., & Perdana, A. P. (2016). Stereokompilasi Unsur Rupabumi Skala 1:25.000 Menggunakan Data TerraSAR-X dan Citra SPOT-6. *Seminar Nasional Penginderaan Jauh, July*, 247–254.
- Tamiminia, H., Salehi, B., Mahdianpari, M., Quackenbush, L., Adeli, S., & Brisco, B. (2020). Google Earth Engine for Geo-Big Data Applications: A Meta-Analysis and Systematic Review. *ISPRS Journal of Photogrammetry and Remote Sensing*, 164(January), 152–170.
<https://doi.org/10.1016/j.isprsjprs.2020.04.001>
- Tassi, A., Gigante, D., Modica, G., & Martino, L. Di. (2021). Pixel- vs . Object-Based Landsat 8 Data Classification in Google Earth Engine Using Random Forest: The Case Study of Maiella National Park. *Remote Sensing*, 13.
<https://doi.org/10.3390/rs13122299>
- Tassi, A., & Vizzari, M. (2020). Object-Oriented LULC Classification in Google Earth Engine Combining SNIC, GLCM, and Machine Learning Algorithms. *Remote Sensing*, 12, 1–17. doi:10.3390/rs12223776
- Tavares, P. A., Beltrão, N. E. S., Guimarães, U. S., & Teodoro, A. C. (2019). Integration of Sentinel-1 and Sentinel-2 for Classification and LULC Mapping in The Urban Area of Belém, Eastern Brazilian Amazon. *Sensors (Switzerland)*, 19(5). <https://doi.org/10.3390/s19051140>
- Teluguntla, P., Thenkabail, P., Oliphant, A., Xiong, J., Gumma, M. K., Congalton, R. G., Yadav, K., & Huete, A. (2018). A 30-m Landsat-Derived Cropland Extent Product of Australia and China using Random Forest Machine Learning Algorithm on Google Earth Engine Cloud Computing Platform. *ISPRS Journal of Photogrammetry and Remote Sensing*, 144(February), 325–340.
<https://doi.org/10.1016/j.isprsjprs.2018.07.017>
- Tran, T. V., Reef, R., & Zhu, X. (2022). A Review of Spectral Indices for Mangrove Remote Sensing. *Remote Sensing*, 14(19). <https://doi.org/10.3390/rs14194868>
- Vergni, L., Vinci, A., Todisco, F., Santaga, F. S., & Vizzari, M. (2021). Comparing Sentinel-1, Sentinel-2, and Landsat-8 Data in the Early Recognition of Irrigated Areas in Central Italy. *Journal of Agricultural Engineering*, 52(4), 43–53.
<https://doi.org/10.4081/JAE.2021.1265>
- Viswambharan, B. V., & Lenhardt, J. (2019). *Introducing the Spectral Index Library in ArcGIS*. diakses pada: 18 Oktober 2023.
<https://www.esri.com/about/newsroom/arcuser/spectral-library/>
- Vizzari, M. (2022). PlanetScope, Sentinel-2, and Sentinel-1 Data Integration for Object-Based Land Cover Classification in Google Earth Engine. *Remote Sensing*, 14, 1–19. <https://doi.org/https://doi.org/10.3390/rs14112628>
- Wang, L., Gong, P., Ying, Q., Yang, Z., Cheng, X., & Ran, Q. (2010). Settlement

- Extraction in The North China Plain using Landsat and Beijing-1 Multispectral Data with An Improved Watershed Segmentation Algorithm. *International Journal of Remote Sensing*, 31(6), 1411–1426. <https://doi.org/10.1080/01431160903475332>
- Widayani, P. (2018). Aplikasi Object-Based Image Analysis untuk Identifikasi Awal Permukiman Kumuh Menggunakan Citra Satelit Worldview-2. *Majalah Geografi Indonesia*, 32(2), 162. <https://doi.org/10.22146/mgi.32306>
- Widyaningrum, E., Perdana, A. P., Andari, R., Mayasari, R., & Damayanti, A. P. (2021). Penggunaan Citra Satelit Sentinel-2 Dan Spot 6-7 Dengan Kompilasi Data Keruangan Untuk Pemutakhiran Peta Dasar. *Elipsoida*, 04(02), 100–108. <https://doi.org/https://doi.org/10.14710/elipsoida.2021.13874>
- Xu, H. (2006). Modification of Normalised Difference Water Index (NDWI) to Enhance Open Water Features in Remotely Sensed Imagery. *International Journal of Remote Sensing*, 27(14), 3025–3033. <https://doi.org/10.1080/01431160600589179>
- Xu, R. (2021). Mapping Rural Settlements from Landsat and Sentinel Time Series by Integrating Pixel-and Object-Based Methods. *Land*, 10(3), 1–18. <https://doi.org/10.3390/land10030244>
- Yang, L., Wang, L., Abubakar, G. A., & Huang, J. (2021). High-Resolution Rice Mapping Based on SNIC Segmentation and Multi-Source Remote Sensing Images. *Remote Sensing*, 13(6). <https://doi.org/10.3390/rs13061148>
- Zha, Y., Gao, J., & Ni, S. (2003). Use of Normalized Difference Built-up Index in Automatically Mapping Urban Areas from TM Imagery. *International Journal of Remote Sensing*, 24(3), 583–594. <https://doi.org/10.1080/01431160304987>
- Zhao, Y., Zhu, W., Wei, P., Fang, P., Zhang, X., Yan, N., Liu, W., Zhao, H., & Wu, Q. (2022). Classification of Zambian Grasslands using Random Forest Feature Importance Selection During the Optimal Phenological Period. *Ecological Indicators*, 135, 108529. <https://doi.org/10.1016/j.ecolind.2021.108529>
- Zhu, Z., Woodcock, C. E., Rogan, J., & Kellndorfer, J. (2012). Assessment of Spectral, Polarimetric, Temporal, and Spatial Dimensions for Urban and Peri-Urban Land Cover Classification using Landsat and SAR Data. *Remote Sensing of Environment*, 117, 72–82. <https://doi.org/10.1016/j.rse.2011.07.020>
- Zurqani, H. A., Post, C. J., Mikhailova, E. A., & Allen, J. S. (2019). Mapping Urbanization Trends in a Forested Landscape Using Google Earth Engine. *Remote Sensing in Earth Systems Sciences*, 2(4), 173–182. <https://doi.org/10.1007/s41976-019-00020-y>