

DAFTAR PUSTAKA

- Ahmed, M., Seraj, R., & Islam, S. M. S. (2020). The k-means algorithm: A comprehensive survey and performance evaluation. *Electronics (Switzerland)*, 9(8), 1–12. <https://doi.org/10.3390/electronics9081295>
- Al-doski, J., B. Mansor, S., & Zulhaidi Mohd Shafri, H. (2013). Change Detection Process and Techniques. *Civil and Environmental Research*, 3(10), 37–46.
- Alberga, V. (2009). Similarity measures of remotely sensed multi-sensor images for change detection applications. *Remote Sensing*, 1(3), 122–143. <https://doi.org/10.3390/rs1030122>
- Alboody, A., Sedes, F., & Inglada, J. (2008). Post-classification and spatial reasoning: New approach to change detection for updating GIS database. *2008 3rd International Conference on Information and Communication Technologies: From Theory to Applications, ICTTA*. <https://doi.org/10.1109/ICTTA.2008.4530039>
- Amici, S., & Piscini, A. (2021). Exploring prisma scene for fire detection: Case study of 2019 bushfires in ben halls gap national park, nsw, australia. *Remote Sensing*, 13(8). <https://doi.org/10.3390/rs13081410>
- Asner, G. P. (2009). Automated mapping of tropical deforestation and forest degradation: CLASlite. *Journal of Applied Remote Sensing*, 3(1), 033543. <https://doi.org/10.1117/1.3223675>
- Bannari, A., Morin, D., Bonn, F., & Huete, A. R. (1995). A review of vegetation indices. *Remote Sensing Reviews*, 13(1–2), 95–120. <https://doi.org/10.1080/02757259509532298>
- Brodley, C. E., & Friedl, M. A. (1997). Decision tree classification of land cover from remotely sensed data. *Remote Sensing of Environment*, 61(3), 399–409. [https://doi.org/10.1016/S0034-4257\(97\)00049-7](https://doi.org/10.1016/S0034-4257(97)00049-7)
- Broge, N. H., & Leblanc, E. (2001). Comparing prediction power and stability of broadband and hyperspectral vegetation indices for estimation of green leaf area index and canopy chlorophyll density. *Remote Sensing of Environment*, 76(2), 156–172. [https://doi.org/10.1016/S0034-4257\(00\)00197-8](https://doi.org/10.1016/S0034-4257(00)00197-8)
- Bruzzone, L., & Bovolo, F. (2013). A novel framework for the design of change-

- detection systems for very-high-resolution remote sensing images. *Proceedings of the IEEE*, 101(3), 609–630. <https://doi.org/10.1109/JPROC.2012.2197169>
- Campbell, P. K. E., Middleton, E. M., Thome, K. J., Kokaly, R. F., Huemmrich, K. F., Lagomasino, D., Novick, K. A., & Brunsell, N. A. (2013). EO-1 hyperion reflectance time series at calibration and validation sites: Stability and sensitivity to seasonal dynamics. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 6(2), 276–290. <https://doi.org/10.1109/JSTARS.2013.2246139>
- Cavalli, R. M. (2023). The Weight of Hyperion and PRISMA Hyperspectral Sensor Characteristics on Image Capability to Retrieve Urban Surface Materials in the City of Venice. *Sensors*, 23(1). <https://doi.org/10.3390/s23010454>
- Chang, C. I. (2003). *Hyperspectral Imaging: Techniques for Spectral Detection and Classification* (Issue v. 1). Springer US. <https://books.google.co.id/books?id=JhBbXwFaA6sC>
- Chughtai, A. H., Abbasi, H., & Karas, I. R. (2021). A review on change detection method and accuracy assessment for land use land cover. *Remote Sensing Applications: Society and Environment*, 22(March), 100482. <https://doi.org/10.1016/j.rsase.2021.100482>
- Chunhui, Z., Bing, G., Lejun, Z., & Xiaoqing, W. (2018). Classification of Hyperspectral Imagery based on spectral gradient, SVM and spatial random forest. *Infrared Physics and Technology*, 95(January), 61–69. <https://doi.org/10.1016/j.infrared.2018.10.012>
- Cogliati, S., Sarti, F., Chiarantini, L., Cosi, M., Lorusso, R., Lopinto, E., Miglietta, F., Genesio, L., Guanter, L., Damm, A., Pérez-López, S., Scheffler, D., Tagliabue, G., Panigada, C., Rascher, U., Dowling, T. P. F., Giardino, C., & Colombo, R. (2021). The PRISMA imaging spectroscopy mission: overview and first performance analysis. *Remote Sensing of Environment*, 262(July 2020). <https://doi.org/10.1016/j.rse.2021.112499>
- Congalton, R. G., & Green, K. (2009). *Assessing the Accuracy of Remotely Sensed Data: Principles and Practices, Second Edition*. Taylor & Francis.

<https://books.google.co.id/books?id=FKssAQAAMAAJ>

- Coppin, P., Jonckheere, I., Nackaerts, K., Muys, B., & Lambin, E. (2004). Digital change detection methods in ecosystem monitoring: A review. *International Journal of Remote Sensing*, 25(9), 1565–1596. <https://doi.org/10.1080/0143116031000101675>
- Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Yogyakarta: Penerbit Andi.
- Davranche, A., Lefebvre, G., & Poulin, B. (2009). Radiometric normalization of SPOT-5 scenes: 6S Atmospheric model versus pseudo-invariant features. *Photogrammetric Engineering and Remote Sensing*, 75(6), 723–728. <https://doi.org/10.14358/PERS.75.6.723>
- Demir, B., Bovolo, F., & Bruzzone, L. (2012). Detection of land-cover transitions in multitemporal remote sensing images with active-learning-based compound classification. *IEEE Transactions on Geoscience and Remote Sensing*, 50(5 PART 2), 1930–1941. <https://doi.org/10.1109/TGRS.2011.2168534>
- El Abbassi, M., Overbeck, J., Braun, O., Calame, M., van der Zant, H. S. J., & Perrin, M. L. (2021). Benchmark and application of unsupervised classification approaches for univariate data. *Communications Physics*, 4(1), 1–9. <https://doi.org/10.1038/s42005-021-00549-9>
- Ezokwoke, K. I., & Zareian, S. J. (2019). A comparative study of classical and kernel kmeans for data clustering. *University Jean Monnet, Saint-Etienne, France, December*, 1–8. <https://doi.org/10.13140/RG.2.2.29297.43361>
- Fang, L., He, N., Li, S., Plaza, A. J., & Plaza, J. (2018). A New Spatial-Spectral Feature Extraction Method for Hyperspectral Images Using Local Covariance Matrix Representation. *IEEE Transactions on Geoscience and Remote Sensing*, 56(6), 3534–3546. <https://doi.org/10.1109/TGRS.2018.2801387>
- Fang, Y., Zhao, J., Liu, L., & Wang, J. (2020). Comparison of eight topographic correction algorithms applied to landsat-8 oli imagery based on the dem. *IOP Conference Series: Earth and Environmental Science*, 428(1). <https://doi.org/10.1088/1755-1315/428/1/012051>
- FAO. (2006). *Definitional issues related to reducing emissions from deforestation*

in developing countries: Draft for discussion and comments.

- FAO. (2011). Assessing forest degradation: Towards the development of globally applicable guidelines. In *Forest Resources Assessment Working Paper* (Vol. 177). <http://www.fao.org/docrep/015/i2479e/i2479e00>
- Filippi, A. M., & Jensen, J. R. (2006). Fuzzy learning vector quantization for hyperspectral coastal vegetation classification. *Remote Sensing of Environment*, 100(4), 512–530. <https://doi.org/10.1016/j.rse.2005.11.007>
- Forkuo, E. K., & Frimpong, A. (2012). Analysis of Forest Cover Change Detection. *International Journal of Remote Sensing Applications*, 2(4).
- Gallagher, N. B. (2013). Savitzky–Golay filter for smoothing and differentiation. *Signal Processing*, January, 2–6.
- Ghamisi, P., Plaza, J., Chen, Y., Li, J., & Plaza, A. J. (2017). Advanced Spectral Classifiers for Hyperspectral Images: A review. *IEEE Geoscience and Remote Sensing Magazine*, 5(1), 8–32. <https://doi.org/10.1109/MGRS.2016.2616418>
- Ghamisi, P., Yokoya, N., Li, J., Liao, W., Liu, S., Plaza, J., Rasti, B., & Plaza, A. (2017). Advances in Hyperspectral Image and Signal Processing: A Comprehensive Overview of the State of the Art. In *IEEE Geoscience and Remote Sensing Magazine* (Vol. 5, Issue 4, pp. 37–78). <https://doi.org/10.1109/MGRS.2017.2762087>
- Ghosh, S., Patra, S., & Ghosh, A. (2009). An unsupervised context-sensitive change detection technique based on modified self-organizing feature map neural network. *International Journal of Approximate Reasoning*, 50(1), 37–50. <https://doi.org/10.1016/j.ijar.2008.01.008>
- Gong Jianyaa, Sui Haiganga, M. G. and Z. Q. (2014). *A review of multi-temporal remote sensing data change detection algorithms A REVIEW OF MULTI-TEMPORAL REMOTE SENSING DATA CHANGE DETECTION*. January, 757–762.
- González-González, A., Villegas, J. C., Clerici, N., & Salazar, J. F. (2021). Spatial-temporal dynamics of deforestation and its drivers indicate need for locally-adapted environmental governance in Colombia. *Ecological Indicators*, 126. <https://doi.org/10.1016/j.ecolind.2021.107695>

- Green, E. P., Mumby, P. J., Edwards, A. J., & Clark, C. D. (2000). Geometric correction of satellite and airborne imagery. In *Remote Sensing Handbook for Tropical Coastal Management* (p. 328). UNESCO.
- Guo, D., Shi, W., Hao, M., & Zhu, X. (2020). FSDAF 2.0: Improving the performance of retrieving land cover changes and preserving spatial details. *Remote Sensing of Environment*, 248(July), 111973. <https://doi.org/10.1016/j.rse.2020.111973>
- Hasan, A. F., Laurent, F., Blanc, L., & Messner, F. (2017). The use of Landsat time series for identification of forest degradation levels in the eastern Brazilian Amazon (Paragominas). *2017 9th International Workshop on the Analysis of Multitemporal Remote Sensing Images, MultiTemp 2017*, 4–7. <https://doi.org/10.1109/Multi-Temp.2017.8035243>
- Hasanlau, M., & Seydi, S. T. (2018). Sensitivity analysis on performance of different unsupervised threshold selection methods in hyperspectral change detection. *2018 10th IAPR Workshop on Pattern Recognition in Remote Sensing, PRRS 2018*, 6–9. <https://doi.org/10.1109/PRRS.2018.8486355>
- Hejmanowska B. (1992). Topographic Correction of the Remote Sensing Data. In *L. W. Fritz & J. R. Lucas (Eds.), XVIIth ISPRS Congress Technical Commission II: Systems for Data Processing and Analysis*, 43–52.
- Jensen, J. R. (2000). *Remote Sensing of the Environment: An Earth Resource Perspective*.
- Jensen, J. R. (2013). *Remote Sensing of the Environment: An Earth Resource Perspective: Pearson New International Edition*. Pearson Education. <https://books.google.co.id/books?id=fhGpBwAAQBAJ>
- Jensen, R., Mausel, P., Dias, N., Gonser, R., Yang, C., Everitt, J., & Fletcher, R. (2007). Spectral analysis of coastal vegetation and land cover using AISA + hyperspectral data. *Geocarto International*, 22(1), 17–28. <https://doi.org/10.1080/10106040701204354>
- Jimenez, D. L., Taud, H., & Gao, Y. (2018). Forest degradation with remote sensing: How spatial resolution plays a role. *5th International Workshop on Earth Observation and Remote Sensing Applications, EORSA 2018 -*

- Proceedings*, 48–51. <https://doi.org/10.1109/EORSA.2018.8598620>
- Kamal, M., & Arjasakusuma., S. (2010). Ekstraksi Informasi Penutup Lahan Menggunakan Spektrometer Lapangan Sebagai Masukan Endmember Pada Data Hiperspektral Resolusi Sedang. *Jurnal Ilmiah Geomatika*, 16(2), 10–22.
- Kazungu, M., Ferrer Velasco, R., Zhunusova, E., Lippe, M., Kabwe, G., Gumbo, D. J., & Günter, S. (2021). Effects of household-level attributes and agricultural land-use on deforestation patterns along a forest transition gradient in the Miombo landscapes, Zambia. *Ecological Economics*, 186(July 2020). <https://doi.org/10.1016/j.ecolecon.2021.107070>
- Kelcey, J., & Lucieer, A. (2012). Sensor correction of a 6-band multispectral imaging sensor for UAV remote sensing. *Remote Sensing*, 4(5), 1462–1493. <https://doi.org/10.3390/rs4051462>
- Khan, M. J., Khan, H. S., Yousaf, A., Khurshid, K., & Abbas, A. (2018). Modern Trends in Hyperspectral Image Analysis: A Review. *IEEE Access*, 6(June), 14118–14129. <https://doi.org/10.1109/ACCESS.2018.2812999>
- Kim, S. R., Prasad, A. K., El-Askary, H., Lee, W. K., Kwak, D. A., Lee, S. H., & Kafatos, M. (2014). Application of the Savitzky-Golay filter to land cover classification using temporal MODIS vegetation indices. *Photogrammetric Engineering and Remote Sensing*, 80(7), 675–685. <https://doi.org/10.14358/PERS.80.7.675>
- Li, H., Xu, L., Zhang, Z., Shen, H., Li, W., & Cao, L. (2015). A land cover adaptive topographic correction and evaluation method for remote sensing data. *International Geoscience and Remote Sensing Symposium (IGARSS), 2015-Novem*(1), 3850–3853. <https://doi.org/10.1109/IGARSS.2015.7326664>
- Li, X., Zhang, X., & Yang, H. (2021). Estimating the opportunity costs of avoiding oil palm-based deforestation in Indonesia: Implications for REDD+. *Chinese Journal of Population, Resources and Environment*, May 2019. <https://doi.org/10.1016/j.cjpre.2021.04.010>
- Liang, S., & Wang, J. (Eds.). (2020). Chapter 15 - Estimate of vegetation production of terrestrial ecosystem. In *Advanced Remote Sensing (Second Edition)* (Second Edi, pp. 581–620). Academic Press.

- <https://doi.org/https://doi.org/10.1016/B978-0-12-815826-5.00015-5>
- Lillesand, T., Kiefer, R. W., & Chipman, J. (2015). *Remote Sensing and Image Interpretation, 7th Edition*. Wiley.
<https://books.google.co.id/books?id=eQXYBgAAQBAJ>
- Liu, S. (2015). *Sequential Spectral Change Vector Analysis for Iteratively Discovering and Detecting Multiple Changes in Hyperspectral Images. March*. <https://doi.org/10.1109/TGRS.2015.2396686>
- Liu, S., Bruzzone, L., Bovolo, F., & Du, P. (2012). Unsupervised hierarchical spectral analysis for change detection in hyperspectral images. *Workshop on Hyperspectral Image and Signal Processing, Evolution in Remote Sensing, June*. <https://doi.org/10.1109/WHISPERS.2012.6874245>
- Loizzo, R., Ananasso, C., Guarini, R., Lopinto, E., Candela, L., & Pisani, A. R. (2016). The prisma hyperspectral mission. *European Space Agency, (Special Publication) ESA SP, SP-740*(May).
- Lu, D., Mausel, P., Brondizio, E., & Moran, E. (2004). Change detection techniques. *International Journal of Remote Sensing*, 25(12), 2365–2401. <https://doi.org/10.1080/0143116031000139863>
- Lu, Dengsheng, Li, G., & Moran, E. (2014). Current situation and needs of change detection techniques. *International Journal of Image and Data Fusion*, 5(1), 13–38. <https://doi.org/10.1080/19479832.2013.868372>
- Malila, W. A. (1980). Change Vector Analysis: an Approach for Detecting Forest Changes With Landsat. *Proceedings of the Society of Photo-Optical Instrumentation Engineers*, 326–336.
- Marinelli, D., Bovolo, F., & Bruzzone, L. (2017). A novel change detection method for multitemporal hyperspectral images based on a discrete representation of the change information. *International Geoscience and Remote Sensing Symposium (IGARSS), 2017-July*, 161–164. <https://doi.org/10.1109/IGARSS.2017.8126919>
- Mirzal, A. (2020). Statistical Analysis of Microarray Data Clustering using NMF, Spectral Clustering, Kmeans, and GMM. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 5963(c), 1–1.

<https://doi.org/10.1109/tcbb.2020.3025486>

- Mishra, S., Shrivastava, P., & Dhurvey, P. (2017). Change Detection Techniques in Remote Sensing: A Review. *International Journal of Wireless and Mobile Communication for Industrial Systems*, 4(1), 1–8. <https://doi.org/10.21742/ijwmcis.2017.4.1.01>
- Mishra, V. D., Sharma, J. K., Singh, K. K., Thakur, N. K., & Kumar, M. (2009). Assessment of different topographic corrections in AWiFS satellite imagery of Himalaya terrain. *Journal of Earth System Science*, 118(1), 11–26. <https://doi.org/10.1007/s12040-009-0002-0>
- Nocerino, E., Dubbini, M., Menna, F., Remondino, F., Gattelli, M., & Covi, D. (2017). Geometric calibration and radiometric correction of the maia multispectral camera. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 42(3W3), 149–156. <https://doi.org/10.5194/isprs-archives-XLII-3-W3-149-2017>
- P.Dave, C., Joshi, R., & S. Srivastava, S. (2015). A Survey on Geometric Correction of Satellite Imagery. *International Journal of Computer Applications*, 116(12), 24–27. <https://doi.org/10.5120/20389-2655>
- Paolini, L., Grings, F., Sobrino, J., Jiménez Muñoz, J. C., & Karszenbaum, H. (2006). Radiometric correction effects in Landsat multi-date/multi-sensor change detection studies. *International Journal of Remote Sensing*, 27(4), 685–704. <https://doi.org/10.1080/01431160500183057>
- Pearlman, J. S., Barry, P. S., Segal, C. C., Shepanski, J., Beiso, D., & Carman, S. L. (2003). Hyperion, a space-based imaging spectrometer. *IEEE Transactions on Geoscience and Remote Sensing*, 41(6 PART I), 1160–1173. <https://doi.org/10.1109/TGRS.2003.815018>
- Peng, D., & Zhang, Y. (2017). Object-based change detection from satellite imagery by segmentation optimization and multi-features fusion. *International Journal of Remote Sensing*, 38(13), 3886–3905. <https://doi.org/10.1080/01431161.2017.1308033>
- Pignatti, S., Amodeo, A., Carfora, M. F., Casa, R., Mona, L., Palombo, A., Pascucci, S., Rosoldi, M., Santini, F., & Laneve, G. (2022). PRISMA L1 and

- L2 Performances within the PRISCAV Project: The Pignola Test Site in Southern Italy. *Remote Sensing*, 14(9). <https://doi.org/10.3390/rs14091985>
- Pu, R. (2017). *Hyperspectral Remote Sensing: Fundamentals and Practices*. CRC Press. <https://doi.org/10.1201/9781315120607>
- Qian, S.-E. (2020). Hyperspectral Satellites and System Design. *Hyperspectral Satellites and System Design*, December. <https://doi.org/10.1201/9780429266201>
- Salzberg, S. L. (1994). C4.5: Programs for Machine Learning by J. Ross Quinlan. Morgan Kaufmann Publishers, Inc., 1993. *Machine Learning*, 16(3), 235–240. <https://doi.org/10.1007/BF00993309>
- Santos, A. M. dos, Silva, C. F. A. da, Almeida Junior, P. M. de, Rudke, A. P., & Melo, S. N. de. (2021). Deforestation drivers in the Brazilian Amazon: assessing new spatial predictors. *Journal of Environmental Management*, 294(May), 113020. <https://doi.org/10.1016/j.jenvman.2021.113020>
- Schoene, D., & Killmann, W. (2007). Definitional issues related to reducing emissions from deforestation in developing countries. *Forests and Climate Change Working Paper 5*.
- Schroeder, T. A., Cohen, W. B., Song, C., Canty, M. J., & Yang, Z. (2006). Radiometric correction of multi-temporal Landsat data for characterization of early successional forest patterns in western Oregon. *Remote Sensing of Environment*, 103(1), 16–26. <https://doi.org/10.1016/j.rse.2006.03.008>
- Seydi, S. T., & Hasanlou, M. (2017). A new land-cover match-based change detection for hyperspectral imagery. *European Journal of Remote Sensing*, 50(1), 517–533. <https://doi.org/10.1080/22797254.2017.1367963>
- Shahrezaei, M. H., & Tavoli, R. (2019). *Parallelization of Kmeans++ using CUDA*. July. <http://arxiv.org/abs/1908.02136>
- Sharma, R., Ghosh, A., & Joshi, P. K. (2013). Decision tree approach for classification of remotely sensed satellite data using open source support. *Journal of Earth System Science*, 122(5), 1237–1247. <https://doi.org/10.1007/s12040-013-0339-2>
- Sinaga, K. P., & Yang, M. S. (2020). Unsupervised K-means clustering algorithm.

- IEEE Access*, 8, 80716–80727.
<https://doi.org/10.1109/ACCESS.2020.2988796>
- SINGH, A. (1989). Review Article Digital change detection techniques using remotely-sensed data. *International Journal of Remote Sensing*, 10(6), 989–1003. <https://doi.org/10.1080/01431168908903939>
- Singh, S. (2015). *Topographic Effects on Change Detection Analysis Using Mountainous Region Satellite Imagery*. 18(February), 7–9.
- Singh, S., Kaur, R., Goraya, A., Singh, A., & Singh, A. (2012). *Review of Different Topographic Correction Techniques for Satellite Imagery*. 1(January), 27–28.
- Singh, S., & Talwar, R. (2013). Review on different change vector analysis algorithms based change detection techniques. *2013 IEEE 2nd International Conference on Image Information Processing, IEEE ICIIIP 2013*, 2(December), 136–141. <https://doi.org/10.1109/ICIIIP.2013.6707570>
- Singh, S., & Talwar, R. (2014). A comparative study on change vector analysis based change detection techniques. *Sadhana - Academy Proceedings in Engineering Sciences*, 39(6), 1311–1331. <https://doi.org/10.1007/s12046-014-0286-x>
- Singh, S., & Talwar, R. (2017). Response of fuzzy clustering on different threshold determination algorithms in spectral change vector analysis over Western Himalaya, India. *Journal of Mountain Science*, 14(7), 1391–1404. <https://doi.org/10.1007/s11629-016-4248-0>
- Song, Y. Y., & Lu, Y. (2015). Decision tree methods: applications for classification and prediction. *Shanghai Archives of Psychiatry*, 27(2), 130–135. <https://doi.org/10.11919/j.issn.1002-0829.215044>
- Sun, L., Zhao, D., Zhang, G., Wu, X., Yang, Y., & Wang, Z. (2022). Using SPOT VEGETATION for analyzing dynamic changes and influencing factors on vegetation restoration in the Three-River Headwaters Region in the last 20 years (2000–2019), China. *Ecological Engineering*, 183(July), 106742. <https://doi.org/10.1016/j.ecoleng.2022.106742>
- Tan, B., Masek, J. G., Wolfe, R., Gao, F., Huang, C., Vermote, E. F., Sexton, J. O., & Ederer, G. (2013). Improved forest change detection with terrain

- illumination corrected Landsat images. *Remote Sensing of Environment*, 136, 469–483. <https://doi.org/10.1016/j.rse.2013.05.013>
- Tan, K., Jin, X., Plaza, A., Wang, X., Xiao, L., & Du, P. (2016). Automatic Change Detection in High-Resolution Remote Sensing Images by Using a Multiple Classifier System and Spectral-Spatial Features. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 9(8), 3439–3451. <https://doi.org/10.1109/JSTARS.2016.2541678>
- Taskesen, B., Koz, A., Alatan, A., & Weatherbee, O. (2018). Change Detection for Hyperspectral Images Using Extended Mutual Information and Oversegmentation. *Workshop on Hyperspectral Image and Signal Processing, Evolution in Remote Sensing, 2018-Septe*, 1–5. <https://doi.org/10.1109/WHISPERS.2018.8747018>
- Tripathi, M. K., Govil, H., & Diwan, P. (2019). Petrography, XRD analysis and identification of talc minerals near chhabadiya village of jahajpur region, Bhilwara, India through hyperion hyperspectral remote sensing data. *2019 2nd International Conference on Intelligent Communication and Computational Techniques, ICCT 2019*, 75–78. <https://doi.org/10.1109/ICCT46177.2019.8969008>
- Tuffour Mills, D., Antwi Agyei, P., & Addo Fordjour, P. (2020). Trends and drivers of land cover changes in a tropical urban forest in Ghana. *Trees, Forests and People*, 2(September), 100040. <https://doi.org/10.1016/j.tfp.2020.100040>
- Umarhadi, D. A., & Danoedoro, P. (2019). *Correcting topographic effect on Landsat-8 images: an evaluation of using different DEMs in Indonesia. November 2019*, 41. <https://doi.org/10.1117/12.2549109>
- Uscanga, A. (2023). Tracking vegetation changes with time series of satellite images. *Nature Reviews Earth and Environment*, 4(August), 43017. <https://doi.org/10.1038/s43017-023-00444-7>
- Vangi, E., D'amico, G., Francini, S., Giannetti, F., Lasserre, B., Marchetti, M., & Chirici, G. (2021). The new hyperspectral satellite prisma: Imagery for forest types discrimination. *Sensors (Switzerland)*, 21(4), 1–19. <https://doi.org/10.3390/s21041182>

- Weber, K. T., Glenn, N. F., Mundt, J. T., & Gokhale, B. (2006). A Comparison Between Multi-Spectral and Hyperspectral Platforms for Early Detection of Leafy Spurge in Southeastern Idaho. *Final Report: Detection, Prediction, Impact, and Management of Invasive Plants Using GIS*, 83209, 185–196.
- Wu, J. (2012). *K-means Based Consensus Clustering*. Springer Science & Business Media. https://doi.org/10.1007/978-3-642-29807-3_7
- Wu, X., Kumar, V., Ross, Q. J., Ghosh, J., Yang, Q., Motoda, H., McLachlan, G. J., Ng, A., Liu, B., Yu, P. S., Zhou, Z. H., Steinbach, M., Hand, D. J., & Steinberg, D. (2008). Top 10 algorithms in data mining. In *Knowledge and Information Systems* (Vol. 14, Issue 1). <https://doi.org/10.1007/s10115-007-0114-2>
- Xiao, P., Sheng, G., Zhang, X., Liu, H., & Guo, R. (2021). Direction-dominated change vector analysis for forest change detection. *International Journal of Applied Earth Observation and Geoinformation*, 103, 102492. <https://doi.org/10.1016/j.jag.2021.102492>
- Xue, J., & Su, B. (2017). Significant remote sensing vegetation indices: A review of developments and applications. *Journal of Sensors*, 2017. <https://doi.org/10.1155/2017/1353691>
- Yin, G., Ma, L., Zhao, W., Zeng, Y., Xu, B., & Wu, S. (2020). Topographic Correction for Landsat 8 OLI Vegetation Reflectances through Path Length Correction: A Comparison between Explicit and Implicit Methods. *IEEE Transactions on Geoscience and Remote Sensing*, 58(12), 8477–8489. <https://doi.org/10.1109/TGRS.2020.2987985>
- Yusuf, F. R., Santoso, K. B., Ningam, M. U. L., Kamal, M., & Wicaksono, P. (2018). Evaluation of atmospheric correction models and Landsat surface reflectance product in Daerah Istimewa Yogyakarta, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 169(1). <https://doi.org/10.1088/1755-1315/169/1/012004>
- Zazi, L., Boutaleb, A., & Guettouche, M. S. (2017). Identification and mapping of clay minerals in the region of Djebel Meni (Northwestern Algeria) using hyperspectral imaging, EO-1 Hyperion sensor. *Arabian Journal of*

Geosciences, 10(11). <https://doi.org/10.1007/s12517-017-3015-z>

- Zheng, Z., Wan, Y., Zhang, Y., Xiang, S., Peng, D., & Zhang, B. (2021). ISPRS Journal of Photogrammetry and Remote Sensing CLNet: Cross-layer convolutional neural network for change detection in optical remote sensing imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, 175(March), 247–267. <https://doi.org/10.1016/j.isprsjprs.2021.03.005>
- Zhou, Z., Ding, Y., Shi, H., Cai, H., Fu, Q., Liu, S., & Li, T. (2020). Analysis and prediction of vegetation dynamic changes in China: Past, present and future. *Ecological Indicators*, 117(June), 106642. <https://doi.org/10.1016/j.ecolind.2020.106642>
- Zhu, Z. (2017). Change detection using landsat time series: A review of frequencies, preprocessing, algorithms, and applications. *ISPRS Journal of Photogrammetry and Remote Sensing*, 130, 370–384. <https://doi.org/10.1016/j.isprsjprs.2017.06.013>