

REFERENCES



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- Abd El-Kawy, O. R., Rod, J. K., Ismail, H. A., and Suliman, A. S., (2011). "Land use and land cover change detection in the western Nile delta of Egypt using remote sensing data", *Applied Geography*, 31 (2), 483-494.
- Adegoke, J. O., Pielke, R. A., and Carleton, A. M., (2007). "Observational and Modeling Studies of the Impact of Agriculture-Related Land Use change on Climate in the Central U.S.", *Agricultural and Forest Meteorology*, 142, 203-215.
- Adyasuren, T., and Bayarjargal, Y., (1995). "Vegetation & Drought Monitoring Using Sattelite& Ground Data.International Seminar on Space Informatics for Sustainable Development", *Grassland Monitoring & Management. Ulaanbaatar*, 20 June, Mongolia.
- Anji Reddy, M., (2005), "Environmental Geoinformatics and Modelling", *Proceedings of International Conference on Environmental Management, B.S. Publications.*
- Anji Reddy, M., and Reddy, K. M., (1996). "Performance analysis of IRS bands for land use/land cover classification system using maximum likelihood classifier", *International Journal of Remote Sensing*, Vol.17, No.13, 2505- 2515.
- Barlage, M., and Zeng, X., (2004). "The effects of observed fractional vegetation cover on the land surface climatology of the community land model", *Journal of Hydrometeorology*, 5, 823-830.
- Bayarjargal, Y., Adyasuren, T., and Munkhtuya, S., (2000). "Drought and vegetation monitoring in the arid and semi-arid regions of the Mongolia using remote sensing and ground data", *Proceedings of 21st Asian Conference on Remote Sensing*, Taipei, Taiwan, Vol.1, 372-377.
- Benali, A., Carvalho, A.C., Nunes, J. P., Carvalhais, N., and Santos, A., (2012). "Estimating air surface temperature in Portugal using MODIS LST data", *Remote Sensing Environment*, 124, 108-121.
- Berberoglu, S., and Akin, A., (2009). "Assessing different remote sensing techniques to detect land use/cover changes in the eastern Mediterranean", *International Journal of Applied Earth Observation and Geoinformation*, 11, 46-53.

- Carlson, T.N., Gillies, R. R., and Perry, E.M., (1994). "A method to make use of thermal infrared temperature and NDVI measurements to infer soil water content and fractional vegetation cover", *Remote Sensing Reviews*, 52, 45-59.
- Chapman, and David, M., (2005). "It's Hot in the city", *GeoDate* 18(2), 1-4.
- Chaurasia, R., Loshali, D. C., Dhawliwal, S. S., Minakshi, Sharma, P. K., Kudrat, M., and Tiwari, A. K., (1996). "Land use change analysis for agriculture management - a case study of Tehsil Talwandi Sabo, Punjab", *Photonivachk, Journal of the Indian society of remote sensing*, 24, 122-130.
- Chicago Climate Task Force, (2007). "Infrastructure and Climate Change in Chicago; Projections and Potential Impacts", *City of Chicago*.
- Cihlar, J., Beaubien, J., Xiao, Q., Chen, J., and Li, Z., (1997), "Land cover of the BOREAS Region from AVHRR and LANDSAT data", *Canadian Journal of Remote Sensing*, 23, 163-175.
- David, J., Michel, F., Goodchild and David, W., (1991). "Geographic Information Systems, Principles and Applications", *Fourth Edition, John Wiley & sons, Inc. Singapore*, 360.
- Dayawansa, N. D. K., Ranjith Premalal De Silva and Sooriyakula, S. M. M. S. K., (2002). "Identifying Relationships between the Vegetation Cover and Climatic Characteristics Using NOAA AVHRR", *GISdevelopment.net*, 2002 [cited in 27 August 2004].
- Demers M. N., (1999). "Fundamentals of geographic Information Systems", *Second Edition, John Wiley and Sons, Inc.* 450.
- Dewan A.M., and Yamaguchi, Y., (2009). "Land use and land cover change in Greater Dhaka, Bangladesh: using remote sensing to promote sustainable urbanization", *Geography*, April. 29 (3), 390.
- Eastman, J.R., and Fulk, M., (1993). "Long sequence time series evaluation using standardized principle components", *Photogrammetric Engineering and Remote Sensing*, 59(8), 991-996.

- Ehlers, M., Jadcowski, M. A., Howard, R. R., and Brostuen, D. E., (1990). "Application of SPOT data for regional growth analysis and local planning", *Photogrammetric Engineering and Remote Sensing*, 56 (2), 175-180.
- Geiger, R., (1965). "The climate near the ground. Cambridge, Mass, *Harvard University Press, (Translation of 4th German edition)*.
- Geist, H., and Lambin. E. F., (2001). "What drives tropical deforestation? A meta-analysis of proximate causes and underlying sources of deforestation based on subnational case study evidence", *LUCC Report Series*, No. 4.
- Gero, A. F., and Pitman, A. J., (2006). "The impact of land cover change on a simulated storm event in the Sydney basin", *Journal of Appl. Meteorology Climate*, 45, 283-300.
- Getter, K. L., and Rowe, D. B., (2006). "The role of green roofs in sustainable development", *Horticultural Science*, 41(5), 1276-1285.
- Goodchild, M. F., (1992). "Geographical Information Science", *International Journal of geographic Information Systems*, 6(1), 31-45.
- Gray, K. A., and Finster, M. E., (1999). "The Urban Heat Island, Photochemical Smog, and Chicago: Local Features of the Problem and Solution" Department of Civil Engineering, Evanston (IL), Northwestern University, <http://www.epa.gov/heat-islands/heat-island-science-corner>
- Gupta, R. P., (1991). "Remote Sensing Geology", (Berlin-Heidelberg:Springer-Verlag)
- Hammett, J. E., (1992). "The shapes of adaptation: historical ecology of anthropogenic landscapes in the southeastern United States", *Landscape Ecology*.7, 121-135.
- Harris, P. M., and Ventura, S. J., (1995). "The integration of geographic data with remotely sensed imagery to improve classification in an urban area", *Photogrammetric Engineering and Remote Sensing*, 61(8), 993-998.
- Healy, R.G., (1991). "Geographical Information System Principles and Applications", *Longman Scientific and Technical, England*, 239-267.
- Hien, W. N., (2002). "Urban Heat Island Effect: Sinking the Heat", *Innovation* 3(2), 16-18. <http://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=56830&CFID=58592476&CFTOKEN=38674305>

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- http://fas.org/irp/imint/docs/rst/Sect9/Sect9_1.html
- http://fas.org/irp/imint/docs/rst/Sect9/Sect9_3.html
- <http://wgbis.ces.iisc.ernet.in/energy/urban/content.htm>
- <http://www.icesb.ucsb.edu/modis/EMIS/html/em.html>
- <http://www.nasa.gov/topics/earth/features/heat-island-sprawl.html>
- <http://www.worldweatheronline.com/Udupi-weather-averages/Karnataka/IN.aspx>
- Jackson, R. D., Salter, P. N., and Pinter, Jr. P. J., (1983). "Discrimination of growth and water stress in wheat by various vegetation indices through clear and turbid atmospheres", *Remote Sensing Environment*. 13, 187-208.
- Jensen J. R., Qiu, F., and Patterson, K., (2001). "A neural network image interpretation system to extract rural and urban land use and land cover information from remote sensor data", *Geocarto International*, Vol.16, No. 1, 12-18.
- Jensen, J. R., (1986). "Introductory Digital Image Processing", *Prentice Hall, New Jersey*.
- Jensen, J. R., and D. L. Toll., (1982). "Detecting residential land use development at the urban fringe", *Photogram. Eng. Remote Sensing*, 48, 629-643
- Kerr, Y. H., Lagouarde, J. P., and Imbernon, J., (1992). "Accurate land surface temperature retrieval from AVHRR data with use of an improved split window algorithm", *Remote Sensing of Environment*, 41, 197-209.
- LANDSAT Project Science Office, (2002). "LANDSAT 7 Science Data User's Handbook", *Goddard Space Flight Center, Greenbelt, MD*.
- Lillesand, T. M., and Kiefer, R. W., (1996). "Remote Sensing and Image Interpretation", *John Wiley & Sons, Inc.*, 3rd Edition.
- Lillesand, Thomas M., and Ralph Kiefer, W., (2003). "Remote sensing and image interpretation", *Fourth Edition, John Wiley & sons, Inc, Singapore*, 556.
- Lokesh, K. N., Naveenchandra, B., Usha and Gangadhara Bhat, (2011). "Development of digital Terrain modeling CARTOSAT-1 satellite imagery (A case study of Manipal city of Karnataka State)", *International Journal of Earth Sciences and Engineering*, Vol.04, No 07 - Spl issue, November 2011, 340-348.

-
- Marcucci, D. J., (2000). "Landscape history as a planning tool", *Landscape and Urban Planning*, 49(1-2), 67-81.
- Markham, B. L., and Barker, J. L., (1986). "LANDSAT MSS and TM post-calibration dynamic ranges, exoatmospheric reflectances and at-satellite temperatures", *Earth Observation Satellite Co.*, Lanham, MD, LANDSAT Tech. Note 1.
- Narisma, G. T., and Pitman, A. J., (2003). "The impact of 200 years of land cover change on the Australian near-surface climate", *Hydrometeorology*, 4, 424-436.
- Narumalani, S., Mishra, D. R., and Rothwell, R. G., (2004). "Analyzing landscape structural change using image interpretation and spatial pattern metrics", *GIScience and Remote Sensing*, 41(1), 25-44.
- Naveenchandra, B., Lokesh, K. N., Usha and Vinay, M. S., (2010). "Integration of Stereo-image products and spatial data for telecom planning in and around Udupi, Karnataka state", *Proceedings of the 13th International Conference on Geospatial information technology and applications, MapIndia*, Gurgaon, India.
- Nelson, R. F., (1983), "Detecting forest canopy change due to insect activity using LANDSAT MSS", *Photogrammetric Engineering and Remote Sensing*, 49, 1303-1314.
- Nemani and Running, (1996). "Global vegetation cover changes from coarse resolution satellite data", *Journal of Geophysical Research*, 101, 7157-7162.
- Nemani, R. R., Pierce, L. L., Band, L. E., and Running, S. W., (1993). "Forest ecosystem processes at the watershed scale: Sensitivity to remotely sensed leaf area index estimates", *International Journal of Remote Sensing*, 14, 2519-2534.
- NRC, (2005). "Radiative Forcing of Climate Change: Expanding the Concept and Addressing Uncertainties", *National Academies Press, Washington, DC*.
- Parida, B. R., Oinam, B., Patel, N. R., Sharma, N., Kandwal, R., and Hazarika, M. K., (2008). "Land surface temperature variation in relation to vegetation type using MODIS satellite data in Gujarat state of India", *International Journal of Remote Sensing*, 29(13/14), 4219-4235.

- Price, J. C., (1984). "Land surface temperature measurements from the split window channels of the NOAA 7 AVHRR", *Journal of Geophysical Research*, 89, 7231-7237.
- Ramachandra, T. V., (2009). "Conservation and management of urban wetlands: Strategies and challenges", *ENVIS Technical Report: 32*, Environmental Information System, Centre for Ecological Sciences, Bangalore.
- Ramachandra, T. V., and Uttam Kumar, (2004). "Geographic Resources Decision Support System for land use, land cover dynamics analysis", *Proceedings of the FOSS/GRASS Users Conference*.12-14, Bangkok, Thailand.
- Reed, B. C., Brown, J. F., Vanderzee, D., Loveland, T. R., Merchant, J. W., and Ohlen, D. O., (1994). "Measuring phenological variability from satellite imagery", *Journal of Vegetation Science*, 5, 703-714.
- Rouse, J. W., Hass, R. H., Schell, J. A., and Deering, D.W., (1974). "Monitoring vegetation systems in the Great Plains with ERTS", *Third ERTS-1 Symposium 10-14 Dec.1973*, NASA, SP-351, Washington D. C. NASA, 309-317.
- Sabins, F. F., (1997). "Remote Sensing: Principles and Interpretation.", *Third Edition*, WH Freeman and Company, New York.
- Sailor, D., and Dietsch, N., (2005), "The urban heat Island mitigation impact screening tool (MIST), Washington DC", *US Environmental Protection Agency*, Heat Island reduction initiative.
- Schmidlin, T. W., (1989). "The Urban Heat Island at Toledo, Ohio. Geography Department: Kent State University", *Ohio Journal of Science*, 89 (3), 38-41.
- Schmidt, H., and Karnieli, A., 2000. "Remote sensing of the seasonal variability of vegetation in a semi arid environment", *Journal of Arid environments*, 45 (1), 43-59.
- Schulz, J. J., Cayuela, L., Echeverria, C., Salas, J., and Rey Benayas, J. M., (2010). "Monitoring land cover change of the dry land forest landscape of Central Chile (1975-2008)", *Applied Geography*, 30(3), 36- 447.

- Sen Roy, S., Mahmood, R., Niyogi, D.D.S., Lei, M., Foster, S.A., Hubbard, K.G., Douglas E., and Pielke, R.A., (2007). "Impacts of the agricultural Green Revolution induced land use changes on air temperatures in India", *Journal of Geography, Res.*, 112, D21108.
- Solecki, W.D., Rosenzweig, C., Parshall, L., Pope, G., Clark, M., Cox, J., and Wiencke, M., (2005). "Mitigation of the heat island effect in urban New Jersey", *Global Environ. Change, B*, 6, 30-49.
- Stathopoulou, M., and Cartalis, C., (2007). "Daytime urban heat island from LANDSAT ETM+ and Corine land covers data: An application to major cities in Greece", *Solar Energy*, 81, 358-368.
- Streutker, D. R., (2002). "A remote sensing study of the urban heat island of Houston, Texas", *International Journal of Remote Sensing*, 23, 2595-2608.
- Tucker, C. J., (1980). "Remote sensing of leaf water content in the near infrared", *Remote Sensing Environment*, 10, 23-32.
- Ulivieri, C., Castronuovo, M. M., Francioni, R., and Cardillo, A., (1994). "A split window algorithm for estimating land surface temperature from satellites", *Advances in Space Research*, 14(3), 59-65.
- Usha, Naveenchandra B., Thukaram M. and Mohandas Chadaga., (2015). "The study of impact of urbanization on urban heat island with temperature variation analysis of MODIS data using remote sensing and GIS technology", *Cloud Publications International Journal of Advanced Remote Sensing and GIS*, Volume 4, Issue 1, Article ID Tech-269 ISSN 2320-0243, 944-952.
- Usha, Thukaram M., Mohandas Chadaga and Naveenchandra B., (2014). "An integrated approach of satellite remote sensing technology and geographical information system for the land use land cover change detection studies for urban planning of mangalore taluk of Karnataka State, India", *International Journal of Scientific and Research Publications*, Volume 4, Issue 5, May Edition. ISSN 2250-3153.

- Usha, Thukaram M., Mohandas Chadaga and Naveenchandra B., (2014). "Urbanization study with land use/land cover change detection for the environmental impact on climate change using remote sensing and GIS technology (A case study of udupi taluk, Karnataka,India)", *International Journal of GeoInformatics*, Vol. 10, No. 2, ISSN 1686-6576, 31-40.
- Vancutsem, C., Ceccato, P., Dinku, T., and Connor, S. J., (2010). "Evaluation of MODIS land surface temperature data to estimate air temperature in different ecosystems over Africa", *Remote Sensing Environment*, 114(2), 449-465.
- Vogt, J. V., Viau, A. A., and Paquet, F., (1997). "Mapping regional air temperature fields using satellite-derived surface skin temperatures", *International Journal of Climatology*, 17, 1559-1579.
- Voogt, J. A., and Oke, T. R., (2003). "Thermal remote sensing of urban climates", *Remote Sensing of Environment*, 86, 370-384
- Weismiller, R. A., Kristof, S. J., Scholz, D. K., Anuta, P. E., and Momen, S. A., (1977). "Change detection in coastal zone environments", *Photogrammetric Engineering and Remote Sensing*, 43, 1533-1539.
- Weng, Q., (2001). "A remote sensing-GIS evaluation of urban expansion and its impact on surface temperature in the Zhujiang Delta, China", *International Journal of Remote Sensing*, 22, 10, 1999-2014.
- Weng, Q., (2003). "Fractal analysis of satellite-detected urban heat island effect", *Photogrammetric Engineering and Remote Sensing*, 69, 555-566.
- Weng, Q., Lu, D., and Schubring, J., (2004). "Estimation of land surface temperature-vegetation abundance relationship for urban heat island studies", *Remote Sensing of Environment*, 89 (2004), 467-483.
- Wilkie, D. S., and Finn, J. T., (1996). "Remote Sensing Imagery for Natural Resources Monitoring", *Columbia University Press, New York*, 295.
- Willmott, C. J., and Robeson, S. M., (1995). "Climatologically aided interpolation (CAI) of terrestrial air temperature", *International Journal of Climatology*, 15(2), 221-229.

-
- Wong, E., (2008). “The U.S. Environmental Protection Agency’s Heat Island Reduction Initiative (HIRI): Status and Future Directions”, [cited 2008 Sept 29] http://www.cleanairpartnership.org/cooltoronto/pdf/finalpaper_wong.pdf
- Xu, J., Ai, X., and Deng, X., (2005). “Exploring the spatial and temporal dynamics of land use in Xizhuang watershed of Yunnan, southwest China”, *International Journal of Applied Earth Observation and Geoinformation*, 7, 299-309.
- Yang, L., Wylie, B. K., Tieszen, L. L., and Reed, B. C., (1998). “An analysis of relationships among climate forcing and time-integrated NDVI of grasslands over the U.S. northern and central great plains”, *Remote Sensing of Environment*, 65, 25-37.
- Yu, W., Zang S., Wu, C., Liu, W., Na, X., (2011). “Analyzing and modeling land use land cover change (LUCC) in the Daqing City, China”, *Applied Geography*, 31(2), 600-608.
- Z. Qin, A. Karnieli, P. Berliner., (2001). “A mono-window algorithm for retrieving land surface temperature from LANDSAT TM data and its application to the Israel-Egypt border region”, *International Journal of Remote Sensing*, 22, 3719-3746.
- Zang, S. and Huang, X., (2006). “An aggregated multivariate regression land-use model and its application to land-use change processes in the Daqing region (northeast China)”, *Ecology Model.* 193, 503-516.