References

1. Abuodha, J. O. Z., Musila, W. M. and Hagen, H. V. (2003) Floristic composition and vegetation ecology of the Malindi Bay coastal dune field, Kenya. *Journal of Coastal Conservation*, 9(2), 97-102.
2. Adams, P., Castro, A. J., Environmental, I. Martinez, C., Colombia, C., Sierra-Correa, P. C., Colombia, I. (2013) *Inside stories on climate compatible development*. Climate & Development Knowledge Network. 8p.
3. Agrawal, S., Joshi, P. K., Shukla, Y. and Roy, P. S. (2003) Spot-vegetation multi temporal data for classifying vegetation in South Central Asia. *Current Science*, 84(11), 1440-1448.
4. Ahmad, E. (1972) *Coastal geomorphology of India*. Orient Longman 1972, W. H. Patwardhan, B3/7 Asaf Ali Road, New Delhi, 222p.
5. Ajai, Baba, M., Unnikrishnan, A. S., Rajawat, A. S., Bhattacharya, S., Ramakrishnan, R., Kurian, N. P., Hameed, S. and Sundar, D. (2013a) Demarcation of coastal vulnerability line along the Indian coast. *Journal of Geomatics*, 7(1), 25-31.
6. Ajai, Bahuguna, A., Chauhan, H. B., Sarma, K. S., Bhattacharya, S., Ashutosh, S., Pandey, C. N., Thangaradjou, T., Balasubramanian, T., Gnanppazham and Selvum, V. (2013b) Mangrove inventory of India at community level. *National Academy Science letters*, 36(1), 67-77.
7. Alfarhan, A. H, Al-Turki, T. A. and Basahy, A. Y. (2005) *Flora of Jizan Region*. Final report, Vol.-1. Supported by King Abdulaziz city for Science and Technology, KACST. 545p.
8. Allen, J. S., Lu, K. S. and Pott, T. D. (1999) A GIS-Based Analysis and Prediction of Parcel Land-use change in a coastal tourism destination area. In *2002, Proceedings of the 1999 International Symposium on Coastal and Marine Tourism: Balancing Tourism and Conservation*, pp. 287-297.
9. Almeida, C. M., Delgado, F. F., Rosa, R. A. S., Luebeck, D., Feitosa, R. Q. and Costa, G. A. O. P. (2012) A knowledge-based approach applied to airborne SAR images for classifying Land cover/land use in the Brazilian Amazon. *Proceedings of the 4th GEOBIA*, May 7-9, 2012 - Rio de Janerio – Brazil, pp. 662.
10. Alqurashi, A. and Kumar, L. (2014) Land use and land cover change detection in the Saudi Arabian desert cities of Makkah and Al-Taif using satellite data. *Advances in remote sensing*, 3, 106-119.
11. Alqurashi, A. F. and Kumar, L. (2013) Investigation the use of remote sensing and GIS techniques to detect land use and land cover change: A review. *Advances in remote sensing*, 2, 193-204.
12. Ambasht, R. S. and Ambasht, N. K. (2008) *A textbook of plant ecology* (15th ed.). CBS Publishers and Distributors Pvt. Ltd., New Delhi, 444p.
13. Anderson, J. R., Hardy, E. E., Roach, J. T. and Witmer, R. E. (1976) *A land use and land cover classification system for use with Remote Sensor Data*. Geological Survey Professional Paper 964. A revision of the land use classification system as presented in U.S. Geological Survey Circular 671. United States Government Printing Office, Washington D.C., 45p.
14. Angela, D., Krystalia, E., Vaia, D., Epaminondas, L., Costas, A., Panayiota, K., Nikos, P., Arsinoe, S., Skevi, S., Yioannis, B., Giorgos, I and Andeas, T. (2008) Temporal and inter habitat variation of substratum, vegetation and substratum macroinvertebrates attributes across coastal wetland systems, North East Aegean, Greece. *Transitional Waters Bulletin*, 2(4), 1-16.

15. Anil, N. C., Sankar, G. J., Rao, M. J., Prasad, I. V. R. K. V. and Sailaja, U. (2011) Studies on land use /land cover and change detection from parts of South West Godavari District, A.P- using Remote Sensing and GIS techniques. *Journal of Indian Geophysical Union*, 15(4), 187-194.
16. Anon. (1961) *Gazetteer of India*. Gujarat State. Broach District (Revised Edition). Directorate of Government printing, stationary and publications, Gujarat state, 1-53p.
17. Anon. (1999) *Land Cover Trends: Rates, Causes, and Consequences of Late-Twentieth Century U.S. Land Cover Change*. United States Environmental Protection Agency (USEPA), 38p. Retrieved from http://www.epa.gov/esd/land-sci/trends/pdf/trends_research_plan.pdf Accessed on 11/02/2014.
18. Anon. (2000) *Evaluation of Erosion Hazards*. H. John Heinz Center for Science, Economics and the Environment. Washington, DC: The Heinz Center, 203p. Retrieved from http://www.fema.gov/pdf/library/erosion.pdf Accessed on 11/02/2014.
19. Anon. (2001a) *Critical habitat information system for Coringa mangroves Andhra Pradesh, India*. Department of Ocean Development ICMAM Project Directorate, Chennai, Government of India, 31p.
20. Anon. (2001b) *Primary Census Abstract, Gujarat, Series 25*. Directorate of Census Operations, Gujarat, 665p.
21. Anon. (2002) *Critical habitat information system for Gulf of Khambhat- Gujarat*. Government of India, Department of Ocean Development, Integrated Coastal and Marine Area Management, Project Directorate, Chennai, 34p.
22. Anon. (2004a) *Preliminary Report of the U.S. Commission on Ocean Policy Governors' Draft*. Washington, DC, 40p. Retrieved from http://govinfo.library.unt.edu/oceancommission/documents/prelimreport/00_complete_prelim_report.pdf Accessed on 11/02/2014.
23. Anon. (2004b) *IRS-P6 Data User's Handbook*. IRS-P6/NRSA/NDC/HB-01/04 January 2004, 137p. Retrieved from http://www.nrsc.gov.in/pdf/hresourcesat1.pdf Accessed on 19/05/2014.
24. Anon. (2006a) *Dahej liquefied natural gas terminal expansion project*. Published by Asian Development Bank, 38p. Retrieved from http://www2.adb.org/Documents/Environment/IND/39921-IND-SIEE.pdf Accessed on 10/02/2014.
25. Anon. (2006b) *Integrated Hydrological Data Book (Non-classified river basins)*. Hydrological Data Directorate Information Systems Organisation water planning and projects wing central water commission, New Delhi, 383p.
26. Anon. (2006c) *CARTOSAT-1 Data User's Handbook*. CARTOSAT-1/NRSA/NDC/HB-09/06 September, 2006, 119p. Retrieved from http://www.nrsc.gov.in/pdf/hcartosat1.pdf Accessed on 19/05/2014.
27. Anon. (2007a) Accelerating growth in Gujarat, A discussion note. KPMG, India, 23p.
28. Anon. (2007b) *Concept paper Delhi-Mumbai Industrial Corridor*. Department of Industrial Policy and Promotion. Ministry of Commerce and Industry. Government of India, 57p. Retrieved from http://www.dmicdc.com/downloadfile.aspx?D=~/uploads/files/UploadFile6.pdf Accessed on 13/04/2015.
29. Anon. (2009) *The Gujarat Government Gazette, Extra No. 209*. Industries and Mines Department notification, Sachivalaya, Gandhinagar, 9th June, 2009. Government of Gujarat. 3p. Retrieved from http://gujaratpcpir.org/whats-new/pdf/GPCPSIR-notification.pdf Accessed on 22/04/2015.

30. Anon. (2010a) *National Wetland Atlas: Gujarat*, SAC/RESA/AFEG/NWIA/ATLAS/21/2010. Space Application Centre (ISRO), Ahmedabad, India, 198p.
31. Anon. (2010b) *World urbanization prospects: The 2009 Revision*. Technical Report, United Nations Department of Economic and Social Affairs/Population Division, 47p. Retrieved from http://www.ctc-health.org.cn/file/2011061610.pdf Accessed on 9/06/ 2015.
32. Anon. (2010c) *Gujarat-India Brand Equity Foundation*. 114p. Retrieved from http://www.ibef.org/download/Gujarat_190111.pdf Accessed on 22/04/2015.
33. Anon. (2010d) *Gujarat PCPIR in Bharuch district*. Presentation to prospective developers for integrated township at Atali, 6th March 2010. Government of Gujarat, 43p. Retrieved from http://www.gidc.gov.in/pdf/tenders/gujarat_pcpir_bharuch.pdf Accessed on 22/04/2015.
34. Anon. (2011a) *State of Forest Report, 2011*. Forest Survey of India. Ministry of Environment and Forests, Dehradun, 35-40p.
35. Anon. (2011b) *Census of India*, Village and town Directory, Village and town wise primary census abstract (CD).
36. Anon. (2011c) *Ecological profile of coastal talukas around gulf of Khambhat*. Gujarat Ecology Commission, Gandhinagar, 131p.
37. Anon. (2011d) *Draft Development plan of Gujarat Petroleum, Chemical & Petrochemical Special Investment Regional Development Authority*. Volume I Section 2-Surveys and studies, 111p. Retrieved from http://www.gidc.gov.in/pdf/vol1-section2-surveys-and-studies.pdf Accessed on 10/02/2014.
38. Anon. (2011e) *Brackish water aquaculture in Gujarat state*. 4p. Retrieved from http://agri.gujarat.gov.in/hods/commi_fisheries/donwload/bwacguj.pdf Accessed on07/09/2012.
39. Anon. (2011f) *Gujarat surface water year book-2011*. Published by Narmada, Water Resources Water Supply and Kalpasar Department, Government of Gujarat, 87p.
40. Anon. (2011g) *Land and Land Reforms. Land and Land Reforms Department, Government of West Bengal*. Retrieved from http://banglarbhumi.gov.in/banglarbhumi/(S(y43fe0legq5us1kkf51xcikv))/ASP%20PAGES/profile_wb_survey.aspx Accessed on 20/07/2015.
41. Anon. (2012a) *Annual report for Bharuch District*. 62p. Retrieved from http://bharuchdp.gujarat.gov.in/bharuch/images/annual-report2011-12.pdf Accessed on 18/04/ 2015.
42. Anon. (2012b) *Disaster management plan-2012*. Oil and Natural Gas Corporation Limited, Ankleshwar Asset, Ankleshwar, 116p. Retrieved from http://www.gpcb.gov.in/pdf/ONGC_ANAND23_EIA_Part_7.pdf Accessed on 11/04/ 2015.
43. Anon. (2013a) *Brief industrial profile of Bharuch district*. Ministry of MSME, Government of India, 20p. Retrieved from http://dcmsme.gov.in/dips/dip%20bharuch_gu.pdf Accessed on 18/07/2013.
44. Anon. (2013b) *India State of Forest Report 2013*. Forest Survey of India. Ministry of Environment and Forests, Government of India, Dehradun, 33-38p.
45. Anon. (2014a) *Industries in Gujarat*. Statistical information-2014. Industries commissionerate, Udhyog Bhavan, Gandhinagar, 143p. Retrieved from http://ic.gujarat.gov.in/wp-content/uploads/2015/03/INDUSTRIES_IN_GUJ_2014.pdf Accessed on 11/04/2015.
46. Anon. (2014b) *Bharuch district disaster management plan (DDMP)*. Published by Collectorate office and Gujarat State Disaster Management Authority, 272p. Retrieved

from http://bharuch.gujarat.gov.in/assets/downloads/ddmp_plan_2014.pdf Accessed on 26/09/2014.

47. Anon. (2014c) *Directory of chemicals units: 2013-2014 (Large and Medium scale units).* Ministry of Chemicals and fertilizers, Department of Chemicals and Petrochemicals, Statistics and monitoring Division, Janpath Bhavan, New Delhi, Government of India, 23p. Retrieved from http://chemicals.nic.in/Directory%20Chem%20Units%202013-14.pdf Accessed on 22/04/2015.
48. Anon. (2015a) *Bharuch Dahej Railway Company Limited.* 3p. Retrieved from http://www.bdrail.in/projectdetails.html Accessed on 8/01/2015.
49. Anon. (2015b) *Coastal plants.* ENVIS centre on Floral Diveristy, Hosted by Botanical Survey of India, Kolkata, West Bengal. Sponsored by Ministry of Environment, Forests and Climate Change, Government of India, 6p. Retrieved from http://bsienvis.nic.in/Database/CoastalPlants_3944aspx Accessed on 25/04/2015.
50. Antso, K., Kont, A., Palginõmm, V., Ratas, U., Rivis, R. and Tõnisson, H. (2013) Changing natural and human impacts on the development of coastal land cover in Estonia. *Journal of Coastal Research*, 65,862-867.
51. Anupama, C. and Sivadasan, M. (2004) Mangroves of Kerala, India. *Rheedea*, 14, 9-46.
52. Aragrande, M. and Argenti, O. (2001) *Studying food supply and distribution systems to cities in developing countries and countries in transition.*11-15p. Retrieved from http://www.fao.org/3/a-x6996e.pdf Accessed 22/04/2015.
53. Araujo, D. S. D and Pereira, M. C. A (2004) *Sandy coastal vegetation. Encydopedia of Life Support Systems*. Developed under the Auspices of the UNESCO, Eolss Publishers, Oxford, UK, 17p. Retrieved from URL:http://www.eolss.net/ebooks/Sample%20Chapters/C20/E6-142-TB-08.pdf Accessed on 10/06/2010.
54. Areendran, G., Rao, P., Raj, K., Mazumdar, S. and Puri, K. (2013) Land use/land cover change dynamics analysis in mining areas of Singrauli district in Madhya Pradesh, India. *Tropical Ecology*, 54(2), 239-250.
55. Arisdason, W., Magesh, C. R., Albertson, D. W. and Venu, P. (2008) Mangroves of Andhra Pradesh: Some Issues in taxonomy, Rarity and Conservation. *Proceedings of Andhra Pradesh Akademi of Science*, 12, pp. 193-202.
56. #Armstrong, W., Wright, E. J., Lythe, S. and Gaynard, T. J. (1985) Plant zonation and effects of spring-neap tide cycle on soil aeration in a Humber salt marsh. *Journal of Ecology*, 73, 323-339.
57. Arreola-Lizárraga, J. A., Flores-Verdugo, F. J. and Ortega-Rubio, A. (2004) Structure and litterfall of an arid mangrove stand on the Gulf of California, Mexico. *Aquatic Botany*, 79, 137-143.
58. Arunachalam, S., Maharani, K., Chidambaram, S., Prasanna, M. V., Manivel, M., Thivya, C. (2011) A study on the land use pattern change along the coastal region of Nagapattinam, Tamil Nadu. *International Journal of Geomatics and Geosicnecs*, 1(4), 700-720.
59. #Ash, J. E. & Wasson, R. J. (1983) Vegetation and sand mobility in the Australian desert dune field. *Zeitschrift fur Geomorphologie*, 45, 111-123.
60. Augusteijn, M. F. and Warrender, C. E. (1998) Wetland classification using optical and radar data and neural network classification. *International Journal of Remote Sensing*, 19, 1545–1560.
61. Avery, T. E. (1968) *Interpretation of aerial photographs* (2nd ed.). Minneapolis, Burgess Publishing Company, 329p.

62. Ayuyo, I. O. and Leonard, S. (2014) Land cover and land use mapping and change detection of Mau complex in Kenya using Geospatial technology. *International Journal of Science and Research*, 3(3), 767-778.
63. Baghdadi, N., Bernier, M., Gauthier, R. and Neeson, I. (2001) Evaluation of C-band SAR data for wetland mapping. *International Journal of Remote Sensing*, 22, 71–88.
64. Balak, Ram and Kolarkar, A. S. (1993) Remote sensing application in monitoring land use changes in arid Rajasthan. *International Journal of Remote Sensing*, 14(17), 3191-3200.
65. Bandaranayake, W. M. (1999) *Economic, traditional and medicinal uses of mangroves*. AIMS Report No. 28. Australian Institute of Marine Science, Townsville, 82p.
66. Bandeira, S. O., Macamo, C. C. F., Kairo, J. G., Amade, F., Jiddawi, N. and Paula, J. (2009) Evaluation of mangrove structure and condition in two trans-boundary areas in the western Indian Ocean. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 19, S46-S55.
67. Banerjee, L. K. (1994) Conservation of costal plant communities in India. *Bulletin of the Botanical Survey of India*, 36(1-4), 160-165.
68. Banerjee, L. K. and Ghosh, D. (1998) Species diversity and distribution of mangroves in India. In *An Anthology of Indian mangroves*. Environmental Information System centre, Centre of Advanced study in Marine Biology, Annamalai University, Annamalainagar. *Seshaiyana*, 5(2), 20-24.
69. Banerjee, L. K. and Rao, T. A. (1990) *Mangroves of Orissa coast and their ecology*. Bishen Singh Mahendra Pal Singh, Dehera Dun, 114p.
70. Barbier, E. B., Koch, E. W., Silliman, B. R., Hacker, S. D., Wolanski, E., Primavera, J., GRanek, E. F., Polasky, S., Aswani, S., Cramer, L. A., Stoms, D. M., Kennedy, C. J., Bael, D., Kappel, C. V., Perillo, G. M. E., Reed, D. J. (2008) Coastal ecosystem-based management with nonlinear ecological functions and values. *Science*, 319, 321-323.
71. #Basha, C. S. (1991) Distribution of Mangroves in Kerala. *Indian Forester*, 117, 439-448.
72. Batty, M. and Howes, D. (2001) Predicting temporal patterns in urban development from remote sensing imagery. In *Remote Sensing and Urban analysis*, (Eds.) Donnay, J.P., Barnsley, M. J. and Longley, P.A., 185-204p.
73. #Baulies, X., and Szejwach, G. (1998) *LUCC data requirements workshop: Survey of needs, gaps and priorities on data for land-use/land-cover change research*. Organized by IGBP/ IHDP-LULCC and IGBP-DIS, Barcelona, Spain, 11-14 November 1997, LULCC report series no.3. Barcelona, Institut Cartogràfic de Catalunya, 143p.
74. #Bedi, N. and Vaidyanadhan, R. (1982) Effect of neotectonics on the morphology of the Narmada river in Gujarat, western India. *Zeitschrift für geomorphologie*, 27, 87-102.
75. Behera, D. P. and Nayak, L. (2013) Floral diversity of Bhitarkanika, East coast of India and its potential uses. *Journal of Chemical, Biological and Physical Sciences*, 3(3), 1863-1874.
76. Bhagawat, R. (2005) Application of remote sensing and GIS, land use/land cover change in Kathmandu metropolitan city, Nepal. *Journal of Theoretical and Applied Information technology*, 80-86.
77. Bhagwanani, P. P. (1980) *Floristic and vegetational study of the Gujarat Coast "Khambhat to Umargam"* Vol. I& II. Ph.D. Thesis submitted to The Maharaja Sayajirao University of Baroda, Vadodara, 683p.
78. #Bharucha, F. R. (1950) The vegetation of Bombay and its environs. *Journal of Gujarat Research Society*, 11, 233-243.
79. Bhatt, G. D., Kushwaha, S. P. S., Nandy, S., Bargali, K. (2013) Vegetation types and land use mapping in south Gujarat using remote sensing and geographic information

system. *International Journal of Advancement in remote sensing, GIS and Geography*, 1(1), 20-31.

80. Bhatt, S. U. (2013) *Environmental appraisal of mangrove wetlands between Mindhola and Varoli estuary (south Gujarat) using remote sensing*. Ph.D. Thesis submitted to the Maharaja Sayajirao University of Baroda, Vadodara, 390p.
81. Bhatt, S., Desai, N., Bhonde, U. and Shah, D. G. (2008) Geomorphological changes and the mangrove habitat expansion Purna Estuary, South Gujarat- A study using remote sensing tool. *Journal of the Indian association of sedimentologists*, 27(2), 121-126.
82. Bhatt, S., Shah, D. G. and Desai, N. (2009) The mangrove diversity of Purna Estuary, South Gujarat, India. *Tropical Ecology*, 50(2), 287-293.
83. Bhavsar, P. D. (1983) The importance of remote sensing from space to the Indian subcontinent. *International Journal of Remote Sensing*, 4, 529-536.
84. Bhosale, L. J. (2008) Biodiversity of mangroves of Ratnagiri and Sindhudurg districts of Maharashtra. *National Workshop on "Mangroves in India: Biodiversity, Protection and Environmental Services"*. Institute of Wood Science and Technology, Bangalore. Abstracts, p.10.
85. Blaeser, C. R. and Ledbetter, M. (1980) Deep-sea bottom currents differentiated from texture of underlying sediment. *Journal of Sedimentary Petrology*, 52, 755-768.
86. Blasco, F. and Aizpuru, M. (2002) Mangroves along the coastal stretch of the Bay of Bengal: Present status. *Indian Journal of Marine Sciences*, 31(3), 9-20.
87. #Blatter, E. (1905) The mangrove of Bombay Presidency and its biology. *Journal of the Bombay Natural History Society*, 16, 644-656.
88. #Blatter, E. (1908) On the flora of Kutch. I. *Journal of the Bombay Natural History Society*, 16, 644-656.
89. #Blatter, E. (1909) On the flora of Kutch. II. *Journal of the Bombay Natural History Society*, 18, 756-777.
90. Bocco, G., Mendoza, M. and Velazquez, A. (2001) Remote sensing and GIS-based regional geomorphological mapping – tool for land use planning in developing countries. *Geomorphology*, 39, 211-219.
91. Bookman, C. A., Culliton, T. J. and Warren, M. A. (1999) Trends in U.S. Coastal Regions, 1970-1998. *Addendum to the Proceedings, Trends and Future Challenges for U.S. National Ocean and Coastal Policy*. Silver Spring, MD: U.S. Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), 31p.
92. Boorman, L. A. (1999) Salt marshes- present functioning and future change. *Mangroves and Salt Marshes*, 3, 227-241.
93. #Borgesen, F. (1929) Notes on the vegetation at Dwarka with reference to Raunkiaer's life forms and statistical methods. *Journal of Indian Botanical Society*, 8, 1-18.
94. Bosire, J. O., Kaino, J. J., Olagoke, A. O., Mwihaki, L. M., Ogendi, G. M., Kairo, J. G., Berger, U. and Macharia, D. (2014) Mangroves in peril: unprecedented degradation rates of peri-urban mangroves in Kenya. *Biogeosciences*, 11, 2623-2634.
95. Boto, K. G. (1984) Waterlogged saline soils. In *The mangrove ecosystem: research methods*, (Eds) Snedakar, S.C. and Snedakar, J.C. United National Educational, Specific and Cultural Organization, 7 place de Fontenoy, 75700 Paris, 114-130p.
96. Brahmabhatt, V. S., Dalwadi, G. B., Chhabra, S. B., Ray, S. S. and Dadhwal, V. K. (2000) Land use/ land cover change mapping in Mahi canal command area, Gujarat, using multi-temporal satellite data. *Journal of the Indian Society of Remote Sensing*, 28(4), 221-232.
97. Brahme, S. (1999) Critical Issues in Land – Use planning in India. In T. Haque, (Eds.) *NCAP Workshop Proceedings No.5, published by Director, NCAP*, pp. 32-37. Retrieved from http://www.ncap.res.in/upload_files/workshop/wsp5.pdf Accessed on 9/06/2015.

98. Brandão, M., Clift, R., Canals, L. M. and Basson, L. (2010) A life-cycle approach to characterising environmental and economic impacts of multifunctional land-use systems: An integrated assessment in the UK. *Sustainability*, 2, 3747-3776.
99. Brandon, R., and Bottomley, B. A. (1998) *Mapping Rural Land Use and Land Cover Change in Carroll County, Arkansas Utilizing Multi-Temporal Landsat Thematic Mapper Satellite Imagery*. University of Arkansas, USA, 148 p.
100. Briassoulis, H. (2000) Analysis of Land use change: Theoretical and Modelling Approaches. In *Web book of regional science*, (Eds.) S. Loveridge, Regional Research Institute, West Virginia University, Morgantown, WV. Retrieved from http://www.rri.wvu.edu/WebBook/Briassoulis/contents.htm Accessed on 1/12/2011.
101. Brink, A. B., Bodart, C., Brodsky, L., Defourney, P., Ernst, C., Donney, F., Lupi, A. and Tuckova, K. (2014) Anthropogenic pressure in East Africa- monitoring 20 years of land cover changes by means of medium resolution satellite data. *International Journal of Applied Earth Observation and Geoinformation,* 28, 60-69.
102. #Burdick, D. M. and Mendelssohn, I. A. (1987) Water logging response in dune, swale and swamp population of Spartina patens under field conditions. *Oecologia*, 74, 321-329.
103. Burley, T. M. (1961) Land use or land utilization? *The Professional Geographer*, 13(6), 18-20.
104. Cadigan, R. A. (1961) Geological interpretation of grain size distribution measurements of Colorado plateau sedimentary rocks. *The Journal of Geology*, 69(2), 121-144.
105. Cakan, H., Yilmaz, K. T., Alphan, H. and Ünlükaplan, Y. (2011) The classification and assessment of vegetation for monitoring coastal sand dune succession: the case of Tuzla in Adana, Turkey. *Turkish Journal of botany*, 35, 697-711.
106. Cameron, H. L. (1950) The Use of Aerial Photography in Seaweed Surveys. *Photogrammetric Engineering*, 16(4), 493-501.
107. #Campbell, J. B. (1981) Spatial correlation-effects upon accuracy of supervised classification of land cover. *Photogrammetric Engineering and Remote Sensing*, 47(3), 355-363.
108. Campbell, J. B. (1996) *Introduction to Remote sensing*, (2nd ed.). Taylor & Francis Ltd., 1 Gunpowder Square, London EC4A3DE, 622p.
109. Campbell, J. C. (1987) *Mapping the Land. Aerial Imagery for Land use Information.* Scientific Publisher, Maan Bhavan, Ratanada Road, Jodhpur – 342 001. India, 96p.
110. Canisius, F., Turral, H. and Mbilinyi, B. P. (2011) Analysis of seasonal land use in Usangu wetlands, Tanzania: an object-oriented technique for multi-temporal analysis with high-resolution data. *International Journal of Remote sensing*, 32(7), 1885-1900.
111. #Carter, R. W. G. (1988) *Coastal environments: an introduction to the physical, ecological and cultural systems of coastlines*. Academic Press, London, 617p.
112. #Carter, R. W. G. and Wilson, P. (1990) The geomorphological, ecological and pedological development of coastal foredunes at Magilligan Point, North Ireland. In *Coastal dunes, form and processes*, (Eds.) Nordstrom, K. F., Psuty, N. P. and Carter, B., Wiley & Sons Ltd., Chichester, UK, 129-157p.
113. #Casshyap, A. P. and Khan, Z. A. (1982) Paleohydrology of Permian Gondwana streams in Bokaro basin, Bihar. *Journal of Geological Society of India*, 419-430.
114. Chakraborty, T., Mondal, A. and Parui, S. (2012) Studies on the phytoresources of coastal dune flora at west Bengal and adjacent Orissa, India. *International Journal of Science and Nature*, 3(4), 745-752.
115. Champion, H. G. and Seth, S. K. (1968) *A revised survey of the forest types of India.* Govt. of India Press, New Delhi, 404p.

116. #Champion, H. G. (1936) A Preliminary survey of the forest types in India and Burma. *Indian Forest Records, Silviculture*, 1(1), 1-279.
117. #Chandra, P. K. and Chaudhary, L. R. (1969) Stratigraphy of the Cambay Basin. *O.N.G.C. Bulletin*, 6(2), 37-50.
118. Chapin, F. S. (1972) *Urban land use planning* (2nd ed.). Urbana, Illinois: University of Illinois Press, 498p.
119. Chapin, F. S. Jr., and. Kaiser, E. J. (1979) *Urban Land Use Planning* (3rd ed.). Urbana, Chicago and London, University of Illinois Press, xvi+650p.
120. Chapman, J. L. and Reiss, M. J. (1995) *Ecology: Principles and applications*. Cambridge University Press, Cambridge, 294p.
121. Chapman, V. J. (1974) *Salt marshes and salt deserts of the world* (2nd supplemented edition). J. Cramer, Lehre, 392p.
122. Chapman, V. J. (1976) *Coastal Vegetation* (2nd ed.). Pergamon Press, Oxford, England, 292p.
123. Chase, T. N., Pielke, R. A., Kittel, T. G. F., Nemani, R. R. and Running, S. W. (1999) Simulated impacts of historical land cover changes on global climate in northern winter. *Climate Dynamics*, 16, 93-105.
124. Chatterjee, S. P. (1952) Land utilization survey of Howrah district. *Geographical Review of India*, 14(3), 35-48.
125. Chaudhuri, A. B and Choudhury, A. (1994) *Mangroves of the Sundarbans Vol. I: India*. IUCN, Bangkok, Thailand, 247p.
126. Chauhan, H. B. (2007) *Modelling land use/land cover changes in coastal zone using remote sensing*. Ph.D. Thesis submitted to Gujarat University, Ahmedabad, 164p.
127. Chauhan, H. B. and Nayak, S. (2005) Land use/ land cover changes near Hazira Region, Gujarat using remote sensing satellite data. *Journal of the Indian Society of Remote Sensing*, 33(3), 413-420.
128. Chauhan, H. B. and Nayak, S. (2006) Modeling coastal landuse/land cover changes to generate scenario using remote sensing data: a case study in Hazira region of south Gujarat. *Proceedings of the ISPRS Commission IV Symposium on Geospatial Databases for Sustainable development*, Vol. XXXVI part 4B Commission IV Symposium, 25-30 September, Goa, India, pp.871-874.
129. Chaurasia, R., Closhali, D. C., Dhaliwal, S. S., Sharma, M. P. K., Kudrat, M. and Tiwari, A. K. (1996) Landuse change analysis for agricultural management – a case study of Tehsil Talwandi Sabo, Punjab. *Journal of Indian Society of Remote Sensing*, 24(2), 115-123.
130. Chavan, S. A. (1985) Status of mangrove ecosystem in gulf of Kachchh. *Proceeding of Symposium on Endangered Marine Animals and Marine Parks*, 1, pp.475-482.
131. Chen, X. W. (2002) Using remote sensing and GIS to analyze land cover change and its impacts on regional sustainable development. *International Journal of Remote Sensing*, 23,107-124.
132. Chichmalatpure, A. R. and Rao, G. G. (2009) Nutrient management for major cropping systems in salt affected vertisols. In *Enhancing nutrient use efficiency in problem soils*, (Eds.) Singh, G., Qudar, A., Yaduvanshi, N. P. S. and Dev, P., Central Soil Salinity Research Institute, Karnal, India. 109-131p.
133. Chrysoulakis, N., Kamarianakis, Y., Farsari, Y., Diamandakis, M. and Prastacos, P. (2004) Combining Satellite and Socioeconomic data for Land Use Models estimation. In, R. Goossens, (Eds.) *Proceeding of 3rd Workshop of EARSeL Special Interest Group on Remote Sensing for Developing Countries*, pp.1-15. Retrieved from http://www.iacm.forth.gr/papers/Chrysoulakis et al 2004c.pdf Accessed on 07/08/2015.

134. Chuang, C. (2012) Estimation of similarity indices via two-sample Jackknife procedure. *Journal of applied science and engineering*, 15(3), 301-310.
135. Cihlar, J. (2000) Land cover mapping of large areas from satellites: Status and research priorities. *International Journal of Remote Sensing*, 21(6-7), 1093-1114.
136. Cintrón, G. and Novelli, Y.S. (1984) Methods for studying mangrove structure. In *The mangrove ecosystem: research methods*. (Eds) Snedakar, S.C. and Snedakar, J.C. United National Educational, Specific and Cultural Organization, 7 place de Fontenoy, 75700 Paris, 91-113.
137. Clark, J. R. (1992) *Integrated management of coastal zones*. FAO Fisheries Technical Paper No. 327, Rome, 167p.
138. #Clarke, C. B. (1896) Presidential address to the Linnean Society on the Sunderbans of Bengal. *Proceedings of the Linnean Society of London*, pp.14-29.
139. Clarke, P. J. (1993) Mangrove, saltmarsh and peripheral vegetation of Jervis Bay. *Cunninghamia*, 3(1), 231-254.
140. Clawson, M. and Stewart, C. L. (1965) *Land use information. A critical survey of U.S. statistics including possibilities for greater uniformity*. Baltimore, MD: The Johns Hopkins Press for Resources for the Future, Inc., 402p.
141. Codjoe, S. N. A. (2007) Integration Remote Sensing, GIS, Census and Socioeconomic data in studying the population-Land Use/Cover Nexus in Ghana: A Literature Update. *Africa Development*, Vol. XXXII, No. 2, 197-212. Retrieved from http://www.ajol.info/index.php/ad/article/viewFile/57188/45576 Accessed on 21/04/2014.
142. Cohen, J. E. (2003) Human population: The next half century. *Science*, 302, 1172-1175.
143. #Collins, S. H. and Moon, G. C. (1979) Stereometric measurement of stream bank erosion. *Photogrammetric Engineering and Remote sensing*, 45, 183-190.
144. Congalton, R. (1991) A review of assessing the accuracy of classifications of remotely sensed data. *Remote Sensing of Environment*, 37, 35-46.
145. Cooke, T. (1901-1908) *The flora of Presidency of Bombay*. Taylor and Francis, London, Botanical Survey of India, Reprinted edition, Vols.1-3, Vol.1- 645p; Vol.2-1083p; Vol.3-649p.
146. #Cooper, W. S. (1958) *Coastal sand dunes of Oregon and Washington*. Geological Society of America Memoir 72, The Geological society of America, New York, 169p.
147. #Coppin, P., Lambin, E., Inge, J. and Muys, B. (2002) Digital change detection methods in natural ecosystem monitoring: a review. In L. Baizzone and P. Smits, (Eds.) *Proceedings of the first International workshop on analysis of multi-temporal remote sensing images*, 2, 13-14 September, 2001, University of Trento, Italy, pp. 3-36.
148. Costa, C. S. B., Cordazzo, C. V., and Seeliger, U. (1996) Shore disturbance and dune plant distribution. *Journal of Coastal Research*, 12(1), 133-140.
149. #Cottam, G. and Curtis, J. T. (1956) The use of distance measures in phytosociological sampling. *Ecology*, 37, 451-460.
150. Coulter, L., Stow, D., Hope, A., O'Leary, J., Turner, D., Longmire, P., Peterson, S. and Kaiser, J. (2000) Comparison of high spatial resolution imagery for efficient generation of GIS vegetation layers. *Photogrammetric Engineering and Remote sensing*, 66(11), 1329-1335.
151. Crane, J. (1989) Relationships between Geomorphology and vegetation in the Minnamrra estuary, NSW. *Wetlands Australia*, 8(2), 61-68.
152. Dahdouh-Guebas, F. & Koedam, N. (2006) Empirical estimate of the reliability of the use of the Point-Centred Quarter Method (PCQM): solutions to ambiguous field situations and description of the PCQM+ protocol. *Forest Ecology and management*, 228, 1-18.

153. Dahdouh-Guebas, F., Jayatissa, L. P., Di Nitto, D., Bosire, J. O., Lo Seen, D. & Koedam, N. (2005) How effective were mangroves as a defence against the recent tsunami? *Current Biology*, 15(12), 443-447.
154. Dahdouh-Guebas, F., Zetterström, T., Rönnbäck, P., Troell, M., Wickramasinghe, A. and Koedam, N. (2002) Recent changes in land use in the Pambala-Chilaw lagoon complex (Sri Lanka) investigated using remote sensing and GIS: Conservation of mangroves vs. development of shrimp farming. *Environment, Development and Sustainability*, 4, 185-200.
155. Dale, V. H., King, A. W., Mann, L. K., Washigton-allen, R. A. and McCord, R. A. (1998) Assessing land use impacts on natural resources. *Environmental Management*, 22, 203-211.
156. #Dale, V.H., O'Neill, R. V., Pedlowski, M. and Southworth, F. (1993) Causes and effects of land use change in Central Rondonia, Brazil. *Photogrametric-Engineering and Remote Sensing*, 59(6), 997-1005.
157. Daly, T. (2013) *Coastal saltmarsh*. Primefact 1256, First edition, Fisheries Ecosystem Unit, The NSW Department of Primary Industries. Reference number 11473, 16p.
158. Datta, D. and Deb, S. (2012) Analysis of coastal land use/land cover changes in the Indian Sunderbans using remotely sensed data. *Geo-spatial Information Science*, 15(4), 241-250.
159. Davenport, J. and Davenport, J. L. (2006) The impact of tourism and personal leisure transport on coastal environments: a review. *Estuarine Coastal and Shelf Science*, 67, 280-292.
160. Davies, J. L. (1972) *Geographical variation in coastal development*. Oliver and Boyd, Edinburgh, 204p.
161. #Dawe, N. K. and White, E. R. (1982) Some aspects of the vegetation ecology of the little Qualicum River estuary, British Columbia. *Canadian Journal of Botany*, 60, 1447-1460.
162. #Dawe, N. K. and White, E. R. (1986) Some aspects of the vegetation ecology of the Nanoose-Bonell estuary, Vancouver Island, British Columbia. *Canadian Journal of Botany*, 64, 27-34.
163. #Dawson, T. E. and Bliss, L. C. (1987) Species patterns, edaphic characteristics and plant water potential in a high-arctic brackish swamp. *Canadian Journal of Botany*, 65, 863-868.
164. #Dayal, P. (1947) *The agricultural geography of Bihar*. Ph.D. Thesis (unpublished) submitted to London University, 263p.
165. De, J., Bhatt, B., Lakhia, N. and Joshi, J. (2008) Application of remote sensing and GIS technologies in detecting micro-level morphological changes in the estuarine and coastal areas of Narmada and Kim rivers. *The Geographical Society of India*, 70(4), 349-359.
166. DeFries, R. and Pagiola, S. (2005) - Analytical approaches for assessing ecosystem condition and human well-being. In *Millenium Ecosystem Assessment (2005) - Ecosystems and human well-being : current state and trends : findings of the Condition and Trends Working Group*, (Eds.) Rashid Hassan, R., Scholes, N.A., The millennium ecosystem assessment series, Washington (D.C.) Island Press, vol. 1. 37-71p.
167. DeFries, R. S., Bounoua, L. and Collatz, G. J. (2002) Human modification of the landscape and surface climate in the next fifty years. *Global Change Biology*, 8, 438-458.
168. del Moral, R. and Watson A. F. (1978) Vegetation on the Stikine analysis. *Northwest Science*, 33, 43-64.

169. Deng, J.S., Wang, K., Deng, Y.H. and Qi, G.J. (2008) PCA-based land-use change detection and analysis using multi temporal and multisensory satellite data. *International Journal of Remote Sensing*, 29(16), 4823-4838.
170. Desai, N. D., Patel, P. P., Patel, P. K., Tiwari, K. C. (1992) *Impact of sea level rise due to greenhouse effect: Gujarat coast*. Final Report. Department of Environment –Forest and Wildlife (Government of India), 119+p.
171. Deshmukh, S. V. (2007) Mangroves in climate change based disaster risk reduction: some consideration. *Madurai Symposium, Madurai, Tamil Nadu, India*, pp.1-14. Retrieved from http:// dhan.org/acedrr/papers/[04]-Mangrovesin-climate-change-based-DRR-[Mr.-Sanjay-Deshmukh].pdf Accessed on 09/06/2015.
172. Dessai, D. V. G., Nayak, G. N. and Basavaiah, N. (2009) Grain size, geochemistry, magnetic susceptibility: Proxies in identifying sources and factors controlling distribution of metals in a tropical estuary, India. *Estuarine, Coastal and Shelf Science*, 85, 307-318.
173. Dhinwa, P. S., Pathan, S. K., Sastry, S. V. C, Rao, M., Majumder, K. I., Chotani, M. L., Singh, P. J. and Sinha, R. I. P. (1992) Land use change analysis of Bharatpur district using GIS. *Journal of the Indian society of Remote Sensing*, 20, 237-250.
174. Di Gregorio, A. and Jansen, L. J. M. (2000) *Land Cover Classification System (LCCS): Classification concepts and user manual*. Food and Agriculture Organization of the United Nations (FAO). Rome, Italy. 80p. and 99p of appendices.
175. #Diamond, D. D. and Smeins, F. E. (1984) Remnant grassland vegetation and ecological affinities of the upper coastal prairie of Texas. *The southwestern Naturalist*, 29(3), 321-334.
176. Dickinson, G. C. and Shaw, M. G. (1977) What is 'Land Use'? *Area*, 9(1), 38-42.
177. Dimyati, M., Mizuno, K., Kobayashi, S. and Kitamura, T. (1996) An analysis of land use/cover change using the combination of MSS Landsat and land use map – a case study in Yogyakarta, Indonesia. *International Journal of Remote Sensing*, 17, 931-944.
178. #Disraeli, D. J. and Fonda, R. W. (1979) Gradient analysis of the vegetation in a brackish swamp in Bellingham Bay, Washington. *Canadian Journal of Botany*, 57, 465-475.
179. Donato, D. C., Kauffman, J. B., Murdiyarso, D., Kurnianto, S., Stidham, M and Kanninen, M. (2011) Mangroves among the most carbon-rich forests in the tropics. *Nature Geoscience*, 4, 293-297.
180. Dronkers, J. (2005) *Dynamics of coastal systems*. Advanced Series on Ocean Engineering 25, World Scientific Publishing Company, Hackensack, 519p.
181. Ehlers, M., Jadkowski, A. M., Howard, R., & Brostuen, D. (1990) Application of spot data for regional growth analysis and local planning. *Photogrammetric Engineering and Remote Sensing*, 56(2), 175-180.
182. Ehrlich, P. R. and Ehrlich, A. H. (1990) *The population Explosion*. Simon and Schuster, New York, 320p.
183. Ehrlich, Ü., Krusberg, P. and Habicht, K. (2002) Land cover types and ecological conditions of the Estonian coast. *Journal of Coastal Conservation*, 8(2), 109-117.
184. Ellis, J. T., Spruce, J. P., Swann, R. A., Smoot, J. C. and Hilbert, K. W. (2011) An assessment of coastal land-use and land-cover change from 1974-2008 in the vicinity of Mobile Bay, Alabama. *Journal of Coastal Conservation*, 15, 139-149.
185. #Erlanson, E. W. (1936) Plant colonization on two new tropical islands. *The Journal of the Indian botanical Society*, 15, 193-213.
186. #Etherington, J. R. (1975) *Environment and plant ecology*. John Wiley and Sons, London, 347p.

187. #Ewing, K., Earle, J. C., Piccinin, B. and Kershaw, K. A. (1989) Vegetation patterns in James Bay coastal swamps.II Physiological adaptation to salt-induced water stress in three halophytic graminoids. *Canadian Journal of Botany*, 67, 521-528.
188. Fan, F., Weng, Q. and Wang, Y. (2007) Land use land cover changes in Guangzhou, China, from 1998 to 2003, Based on Landsat TM/ETM+ Imagery. *Sensors*, 7, 1323-1342.
189. Feagin, R. A., Mukherjee, N., Shanker, K., Baird, A. H., Cinner, J., Kerr, A. M., Koedam, N., Sridhar, A., Arhtur, R., Jayatissa, L. P., Seen, D. L., Menon, M., Rodriguez, S., Shamsuddoha, Md., Dahdouh-Guebas, F. (2010) Shelter from the storm? Use and misuse of coastal vegetation bioshields for managing natural disasters. *Conservation Letters*, 3, 1-11.
190. Feng, X., Liu, G., Chen, J. M., Chen, M., Liu, J., Ju, W. M., Sun, R. and Zhou, W. (2007) Net primary productivity of China's terrestrial ecosystems from a process model driven by remote sensing. *Journal of Environmental Management*, 85(3), 563-573.
191. Ferreira, M. A., Andrade, F., Mendes, R. N. and Paula, J. (2012) Use of satellite remote sensing for coastal conservation in the Eastern African Coast: advantages and shortcomings. *European Journal of Remote Sensing*, 45, 293-304.
192. Filatova, T. and Veen van der, A. (2006) Microeconomic Motives of Land Use Change in Coastal Zone Area: Agent Based Modelling Approach. In A. Voinov, A. Jakeman and A. Rizolli, (Eds.) *Proceedings of the Third Biennial Meeting, Summit on Environmental Modelling and Software of the International Environmental modeling and Software Society*. July 9-13, 2006, Burlington, Vermont, USA, pp.1-6. IEMSs, ISBN 1-4243-0852-6. Retrieved from http://www.iemss.org/iemss2006/ Accessed on 2/01/2012.
193. Finlayson, C. M. and Valk, A. (2012) *Classification and inventory of the World's Wetlands*. Springer Science and Business Media, 192p.
194. Fisher, P. and Unwin, D. (2005) *Re-presenting GIS*. John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, West Sussex PO 19 8SQ, England, 297p.
195. #Flores-Verdugo, F. J., Day, J. W. and Briseño-Dueñas, R. (1987) Structure, litter fall, decomposition, and detritus dynamics of mangroves in a Mexican coastal lagoon with an ephemeral inlet. *Marine ecology-progress series*, 35, 83-90.
196. Folger, P. (2011) *Geospatial Information and Geographic Information Systems (GIS): An Overview for Congress*. Congressional Research Service, 19p.
197. Folk, R. L. and Ward, W. C. (1957) Brazos river bar: A study in the significance of grain size parameters. *Journal of Sedimentary Petrology*, 27(1), 3-26.
198. Folk, R.L. (1974) *Petrology of sedimentary rocks*. Hemphill Publishing Company, Austin, Texas, 177p.
199. Food and Agriculture Organization (FAO) (1993) *Guidelines for Land Use Planning*. Development Series 1, FAO, Rome, 96p.
200. Food and Agriculture Organization (FAO) (1995) *Planning for Sustainable Use of Land Resources: toward a new approach*, FAO Land and Water Bulletin 2, FAO, Rome, 60p.
201. Foody, G. M. (2003) Remote sensing of tropical forest environments: towards the monitoring of environmental resources for sustainable development. *International Journal of Remote Sensing*, 24(23), 4035-4046.
202. Forkuor, G. and Cofie, O. (2011) Dynamics of land-use and land-cover change in Freetown, Sierra Leone and its effects on urban and peri-urban agriculture – a remote sensing approach. *International Journal of Remote Sensing*, 32(4), 1017-1037.
203. Friedman, G. M. (1961) Distinction between dune, beach and river sands from textural characters. *Journal of Sedimentary Petrology*, 31(4), 514-529.

204. Friedman, G. M. (1967) Dynamic processes and statistical parameters compared for size frequency distributions of beach and river sands. *Journal of Sedimentary Petrology*, 37(2), 327-354.
205. #Fujiwara, K. (1987) *Aims and methods of phytosociology or "vegetation science"*. Papers on plant ecology and taxonomy to the memory of Dr. Satoshi Nakanishi. 607-628.
206. Fung, T. (1990) An assessment of TM imagery for land-cover change detection. *IEEE Transactions on Geoscience and Remote Sensing*, 28(4), 681-684.
207. Furukawa, K., Wolanski, E. and Muelller, H. (1997) Currents and sediment transport in mangrove forests. *Estuarine, Coastal and Shelf Science*, 44(3), 301-310.
208. #Fyson, P. F. (1919) An ecologically regressive vegetation on the Tinnevelly coast. *Proceedings of Indian Science Congress* (Abstract).
209. #Gamble, J. S. (1915-1936) *Flora of Presidency of Madras* (Vols I, II and III).11 Parts. London, Adlard and Son Ltd. Reprinted edition 1967, Botanical Survey of India, Calcutta, 2017p.
210. Ganapathi, S. and Pandey, A. N. (1991) Evolution of landforms on Narmada and Tapti estuarine deltas, Gujarat. *Memories geological society of India*, 22, 103-119.
211. Ganapathiraju, P. (2010) *Illegal, unreported and unregulated marine fish catches in the Indian Exclusive Economic Zone, Field report*. Policy and Ecosystem Restoration in Fisheries, Fisheries Centre, University of British Columbiam BC, Vancouver, Canada, 30p.
212. Ganesh, B., Naidu, A. G. S. S., Rao, M. J., Karudu, T. K. and Avatharam, P. (2013) Studies on textural characteristics of sediments from Gosthani River Estuary-Bheemunipatnam, A. P. East coast of India. *Journal of Indian Geophysical Union*, 17(2), 139-151.
213. Ganjoo, R. K. and Kumar, V. (2012) Late Quaternary fine silt deposits of Jammu, NW Himalaya: Genesis and climatic significance. *Journal of Earth System Science*, 121(1), 165-182.
214. Gedan, K. B. and Bertness, M. D. (2010) How will warming affect the salt marsh foundation species Spartina patens and its ecological role? *Oecologia*, 164, 479-487.
215. GEER (2004) *The marine national park and sanctuary in the gulf of Kachchh*. GEER Foundation, Gandhinagar, 174p.
216. Geist, H. J. and Lambin, E. F. (2002) Proximate causes and underlying driving forces of tropical deforestation. *BioScience*, 52, 143–150.
217. George, J. (2007) *Fundamentals of Remote Sensing*. University Press (India) Private Limited 3-5-819, Hyderguda, Hyderabad 500 029, 489p.
218. Ghosal, S. and Sarkar, A. (2004) Mapping the land use/ land cover of a geographical space through digital image processing of satellite Data. *Indian Cartographer*, 24, 346-352.
219. Ghosh, T., Bhandari, G. and Hazra, S. (2001) Assessment of land use/land cover dynamics and shoreline changes of Sagar island through remote sensing. Paper Presented at the *22nd Asian Conference on Remote Sensing*, 5-9 November 2001, Singapore, pp.1-5.
220. Gibson, P. and Power, C. (2000) *Introductory Remote sensing: Digital Image Processing and Applications*. Routledge, 249p.
221. Girap, M., Nayak, G. N. and Fernandes, B. (1994) Sediments distribution and its relation with organic carbon within the Mayem lake, Goa, India. *Journal of Indian Association of Sedimentologists*, 13, 69-74.

222. Giri, C., Long, J., Abbas, S., Mani Murali, R., Qamer, F.M., Thau, D. (2015) Distribution and dynamics of mangrove forests of South Asia. *Journal of Environmental Management*, 48, 101-111.
223. Giri, C., Zhu, Z., Tieszen, L. L., Singh, A., Gillette, S. and Kelmelis, J. A. (2008) Mangrove forest distributions and dynamics (1975-2005) of the tsunami-affected region of Asia. *Journal of Biogeography*, 35, 519-528.
224. Gohel, N. A. (2014) *Biodiversity of halophytes along Gujarat coast* Part- I. Ph.D. Thesis submitted to Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar, 303p.
225. Gokhale, M. V., Shaikh, S. S. and Chavan, N. S. (2011) Floral survey of wet coastal and associated ecosystems of Maharashtra. *Indian Journal of Geo-Marine Sciences*, 40(5) 725-730.
226. Goldewijk, K. K. and Ramankutty, N. (2004) Land use changes during the past 300 years. In *Land Use, Land Cover and Soil Sciences*, In *Encyclopedia of Life Support Systems (EOLSS)*, (Eds.) Verheye, W.H., Developed under the Auspices of the UNESCO, EOLSS Publishers, Oxford, UK, 22p.
227. #Gonzalez, O. M. R. (2001) Assessing vegetation and land cover changes in northeastern Puerto Rico: 1978-1995. *Caribbean Journal of Science*, 37, 95-106.
228. Gopikumar, K., Sunil, P. K., Jinsy, M. J. and Hedge, H. T. (2008) Biodiversity of mangrove forests of Cochin coast of Kerala. *National Workshop on Mangroves in India: Biodiveristy, Protection and Environmental Services*. Institute of Wood Science and Technology, Bangalore. Abstracts, p. 13.
229. Goswami, B. and Ghosh, D. (2011) Understanding the transportational and depositional setting of Panchet Formation, Purulia and Bankura districts of West Bengal, India-Evidence from grain size analysis. *Frontiers in Earth Science*, 5(2), 138-149.
230. #Gower, J. R. F. (1996) Intercalibration of wave and winds data from TOPEX/Poseidon and moored buoys off the west coast of Canada. *Journal of Geophysical Research*, 101, 3817-3829.
231. Gowthaman, R., Dwarakish, G. S. and Sanilkumar, V. (2014) Land use/land cover changes around Rameshwaram Island, east coast of India. *Indian journal of Marine Sciences*, 43(7), 1-4.
232. Green, E. P., Mumby, P. J., Edwards, A. J. and Clark, C. D. (2000) *Remote Sensing Handbook for Tropical Coastal Management*. (Eds.) Edwards, A. J., Coastal Management Sourcebooks 3, UNESCO, Paris.x+316pp.
233. Green, K., Kempka, D. and Lackey, L. (1994) Using remote sensing to detect and monitor land cover and land-use change. *Photogrammetric Engineering and Remote Sensing*, 60, 331-337.
234. #Griffith, W. (1836) On the family of Rhizophoraceae. *Transactions of the Medical and Physical Society of Calcutta*, 8, 1-10.
235. #Griffith, W. (1851) On the development of the ovulum in Avicennia. *Transactions of Linnean Society of London*, 20, 1-6.
236. Guha, A., Kumar, K. V. and Lesslie, A. (2009) Satellite-based geomorphological mapping for urban planning and development- a case study for Korba city, Chhattisgarh. *Current Science*, 97(12), 1760-1765.
237. Gul, B. and Khan, A. (1999) Effect of intraspecific competition and inundation regime on the growth of *Arthrocnemum macrostachyum* in a coastal swamp in Karachi, Pakistan. *Pakistan Journal of Botany*, 31(1), 163-172.
238. Gupta, H. and Chakrapani, J. G. (2007) Temporal and Spatial variations in water flow and sediment load in the Narmada River. *Current Sciences*, 92(5), 679-684.
239. Gupta, H. S. (2001) Remote sensing techniques for evaluating land use/land cover: a case study. *Indian Forester*, 755-761.

240. Guttenberg, A. Z. (1959) A multiple land use classification System. *Journal of the American Institute of Planners*, 25(3), 143-150.
241. #Hadjimitsis, D. G., Toulios, L., Hadjimitsis, M., Hadjimitsi, C., Xenophontos, X. and Clayton, C. (2005) Remote sensing in support of coastal zone management of the Paphos District area in Cyprus. *Proceedings of the 9th International Conference on Environmental Science and Technology*, 1-3 September 2005, Rhodes island, Greece, pp.B-298 to B-303.
242. Haque, A., Alam, J. B., Shaha, N. K. and Raihan, F. (2008) Study on land use pattern changes and its causes. *International Journal of Environment Research*, 2(2), 199-204.
243. Harada, K., Imamura, F., Hiraishi, T. (2002) Experimental study on the effect in reducing Tsunami by the coastal permeable structures. *Final Proceeding International Offshore and Polar Engineering Conference*, USA, pp.652-658.
244. Hardisky, M. A., Gross, M. F. and Klemas, V. (1986) Remote sensing of coastal wetlands. *BioScience*, 36, 453-460.
245. Harekrishna, J., Sufia, Z, Chakraborty, S., Prosenjit, P., Chandra, M. K. and Mitra A., (2013) Spatio-temporal variation of stored carbon in *Porteresia coarctata* along the east and west coasts of India. *International Journal of Engineering and management sciences*, 4(3), 377-381.
246. Harris, D. 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, 993-998.
247. #Hasselmann, S., Bruning, C., Hasselmann, K. and Heimbach, P. (1996) An improved algorithm for the retrieval of ocean wave spectra from SAR image spectra. *Journal of Geophysical Research*, 101, 16615-16629.
248. Hazelden, J. and Boorman, L. A. (1999) The role of soil and vegetation processes in the control of organic and mineral fluxes in some western European salt marshes. *Journal of Coastal Research*, 15, 15–31.
249. He, H. M., Zhou, J. and Zhang, W. C. (2007) Modelling the impacts of environmental changes on hydrological regimes in the Hei River Watershed, China. *Global and Planetary Change*, 61(3-4), 175-193.
250. Heikkonen, J. and Varfis, A. (1998) Land cover/ land use classification of urban areas: a remote sensing approach. *International Journal of Pattern Recognition and Artificial Intelligence*, 12, 475-489.
251. #Heining, R. L. (1893) Blind root sucker of Sunderbans. *Journal of Asiatic Society of Bengal*, 62(2), 158-161.
252. #Hemming, C. F. (1961) The ecology of the coastal area of Northern Eritrea. *Journal of Ecology*, 49, 55-78.
253. Henriques, C. and Tenedório, J. A. (2009) Remote sensing, GIS Application and simulation of Coastal land use changes based on cellular automata: a case study of Maputo, Mozambique. *Journal of coastal research*, SI56, 1518-1521.
254. Herold, M., Goldstein, N. and Clarke, K. (2003) The spatiotemporal form of urban growth: measurement, analysis and modeling. *Remote sensing of Environment*, 86, 282-302.
255. Hess, L. L., Melack, J. M., Novo, E. M. L. M., Barbosa, C. C. F. and Gastil, M. (2003) Dual season mapping of wetland inundation and vegetation for the central Amazon basin. *Remote Sensing of Environment*, 87, 404-428.
256. #Hinson, J. M., German, C. D. and Pulich, W. Jr. (1994) Accuracy assessment and validation of classified satellite imagery of Texas coastal wetlands. *Marine Technology Society Journal*, 28, 4–9.

257. Holdridge, L., Grenke, W. C., Hatheway, W. H., Liang, T. and Tosi, J. A. (1971) *Forest environment in tropical life zones*. Pergamon Press, New York, 747p.
258. Hoover, E. M. and Giarratani, F. (1984) An Introduction to Regional Economics, (3rd ed.). New York: Alfred Knopf. Reprinted in 1999, In *The Web Book of Regional Science*. (Eds.) Loveridge, S., West Virginia University, Regional Research Institute, Morgantown, WV, 232p.
259. Horton, B. M., Rudman, T., Balmer, J. and Houshold, I. (2008) *Monitoring dry coastal vegetation in the Tasmanian Wilderness World Heritage Area. Part 2: Appraisal of Method*, Nature Conservation Report 08/4, Department of Primary Industries and Water, Hobart, Australia. 13p.
260. Houet, T. and Laurence, H. (2006) Modelling and projecting land-use and land-cover changes with a cellular automaton in considering landscape trajectories: an improvement for simulation of plausible future states. *EARSel eProceedings*, 5(1), pp.63-76.
261. Houghton, R. A. (1994) The worldwide extent of Land-use change. *BioScience*, 44(5). 305-313.
262. #Houghton, R. A. (1999) The annual net flux of carbon to the atmosphere from changes in land use 1850-1990, *Tellus series B-Chemical and Physical Meterology*, 51, 298-313.
263. Huang, J. Pontius, R. G. Jr., Li., Q. and Zhang, Y. (2012) Use of intensity analysis to link patterns with processes of land change from 1986 to 2007 in a coastal watershed of southeast China. *Applied Geography*, 34, 371-384.
264. Hurd, J. D., Civco, D. L., Glimore, M. S., Prisloe, S. and Wilson, E. H. (2005) Coastal Marsh characterization using satellite remote sensing and *In Situ* radiometry data: Preliminary results. *Proceedings of 2005 ASPRS Annual Convention*, Baltimore, MD, pp.1-12.
265. #Hutchinson, I. (1982) Vegetation- environment relations in a brackish swamp, Lulu Island, Richmond, B.C. *Canadian Journal of Botany*, 60, 452-462.
266. Ihm, B., Lee, J. and Kim J. (2001) Coastal vegetation on the western, southern and eastern coasts of South Korea. *Journal of Plant Biology*, 44(3), 163-167.
267. Ilman, M., Iwan, T. C. W. and Suryadiputra, I. N. N. (2011) *State of the art information on mangrove ecosystems in Indonesia*. Wetlands International – Indonesia Programme, Bogor, 58p.
268. Intergovernmental Panel on Climate Change (IPCC) (2000) Land use, Land-use change, and Forestry. In *IPCC Special Report Land use, Land-use change, and Forestry*, (Eds.) Watson, R. T., Noble, I. R., Bolin, B., Ravindranath, N. H., Verardo, D. J. and Dokken, D. J., Cambridge University Press, Cambridge, U.K., 375p.
269. #Irish, J. L. and White, T. E. (1998) Coastal engineering applications of high resolution LiDAR bathymetry. *Coastal Engineering*, 35, 47-71.
270. Irudhayanathan, A., Thirunavukkarasu, R. and Senapathi, V. (2011) Grain size characteristics of the Coleroon estuary sediments, Tamil Nadu, East coast of India. *Carpathian Journal of Earth and Environmental Sciences*, 6(2), 151-157.
271. Islam, M. B. and Merh, S. S. (1988) Tidal currents and sediments in Gulf of Khambhat (Cambay). In the *Proceedings of the National Seminar on Recent Quaternary studies in India*, Department of Geology, the M. S. University of Baroda, Baroda 79-91.
272. Iyengar, J.V. (1998) Application of Geographical information systems. *Journal of International Information Management*, 7(2), 101-117.
273. #Iyengar, S. (1989) Common property land resources in Gujarat: some findings about their size, status and use. *Economic and Political weekly*, 24(25), A67-A77.
274. Iyengar, S. and Bandopadhyay, S. (2008) Environmental Strategies for Gujarat. *Gujarat, Perspectives of the Future*, 221p.

275. Jackson, M. L. (1967) *Soil chemical analysis*, Prentice-hall of India Private Limited, New Delhi, 498p.
276. Jagtap, T. G. (1985a) *Ecological studies in relation to the mangrove environment along the Goa coast, India*. Ph.D. Thesis submitted to Shivaji University, Kolhapur, India, 212p.
277. Jagtap, T. G. (1985b) Structure and composition of the mangrove forest along the Goa coast. *The mangrove: Proceedings of National Symposium on Biological Utilization and Conservation of Mangroves*, November1985, pp.180-187.
278. Jagtap, T. G. and A. G. Untawale (1999) Atoll Mangroves and associated flora from Republic of Maldives, Indian Ocean. In *Mangrove ecosystem technical reports Vol.5*, International Society for mangrove ecosystem. 17-25p.
279. Jagtap, T. G., Bhosale, S. and Singh, C. (2006) Characterization of *Porteresia coarctata* beds along the Goa coast, India. *Aquatic Botany*, 54, 37-44.
280. #Jain, S. K. (1959) On the vegetation of Konkan in Bombay state. *Proceeding of National Academy Science India*, 29(B), pp.329-345.
281. #Jain, S. K. (1968) The vegetation and succession of plant communities in Kutch, Gujarat. *Proceedings of the Symposium on Recent Advances in Tropical Ecology,* pp.426-437.
282. Jain, S. K. and Deshpande, U. R. (1960) Further contribution to the flora of Kutch in Gujarat State. *Bulletin of Botanical Survey of India*, 2, 187-292.
283. Jain, S. K. and Kanodia, K. C. (1960) Additions to the flora of Kutch. *Current Science*, 29, 361-382.
284. Jana, A. and Bhattacharya, A. K. (2013) Assessment of coastal erosion vulnerability around Midnapur-Balasore coast, Eastern India using Integrated Remote Sensing and GIS techniques. *Journal of Indian Society of Remote Sensing*, 41(3), 675-686.
285. Janetos, A. C. and Justice, C. O. (2000) Land cover and global productivity: a measurement stratergy for the NASA programme. *International Journal of Remote Sensing*, 21, 1491-1512.
286. Jayakody, J. M. A. L., Amarasinghe, M. D., Pahalawattarachchi, V. and De Silva, K. H. W. L. (2008) Vegetation structure and potential gross primary productivity of mangroves at Kadolkele in Meegamuwa (Negombo) estuary, Sri Lanka. *Sri Lanka Journal of Aquatic Sciences*, 13, 95-108.
287. Jayanthi, M., Ravichandran, P. and Ponniah, A. G. (2010) *Status of mangroves in relation to brackish water aquaculture development in Tamil Nadu, India*. Bulletin No. 21, Central Institute of Brackish water Aquaculture, Indian Council of Agricultural Research, Chennai, 34p.
288. Jayappa, K.S., Mitra, D. and Mishra, A.K. (2006) Coastal geomorphological and land-use and land-cover study of Sagar Island, Bay of Bengal (India) using remotely sensed data. *International Journal of Remote Sensing*, 27(17), 3671-3682.
289. Jayatissa, L. P., Dahdouh-guebas, F. and Koedam, N. (2002) A review of the floral composition and distribution of mangroves in Sri Lanka. *Botanical Journal of the Linnean Society*, 138, 29-43.
290. Jensen, J. R. (2005) *Remote Sensing of the Environment An earth Resource Perspective*. Pearson Education (Singapore) Pte. Ltd., Indian Branch, 482 F.I.E. Patparganj, Delhi 110 092, India, 560p.
291. Jensen, J. R. and Toll, D. L. (1982) Detecting residential land-use development at the urban fringe. *Photogrammetric Engineering and Remote Sensing*, 48(4), 629-643.
292. Jensen, J. R., Cowen, D., Althausen, J., Narumalani, S. and Weath- erbee, O. (1993) An evaluation of the Coast Watch change detection protocol in South Carolina. *Photogrammetric Engineering and Remote Sensing*, 59, 1039-1046.

293. Jolly, C. L. and Torrey, B. B. (Eds.) (1993) *Population and Land use in developing countries*. Report of a Workshop, Washington D.C. National Academic Press.1-14p.
294. Jorge, M., Lourenco, N., Machado, C. R. and Rodrigues, L. (2002) Measuring, monitoring and managing sustainability in Indian coastal areas: the socioeconomic dimension. *6th International Conference Littoral 2002: The changing coast*, 22-26th September, 2002, Porto, Portugal, 1-10.
295. Joshi, A. J. (2011) *Monograph on Indian Halophytes*. Ocean & Atmospheric Science and Technology Cell (Supported by Ministry of Earth Science, New Delhi) Department of Life Sciences, Bhavnagar University Bhavnagar-364022, India, 140p.
296. Joshi, H. G. and Ghose, M. (2014) Community structure, species diversity, and aboveground biomass of the Sundarbans mangrove swamps. *Tropical Ecology*, 55(3), 283-303.
297. Joshi, P. K., Roy, P. S., Singh, S., Agrawal, S., Yadav, D. (2006) Vegetation cover mapping in India using multi-temporal IRS Wide Field Sensor (WiFS) data. *Remote Sensing of Environment*, 103, 190-202.
298. Joshi, V. U. and Nagare, V. (2009) Land use change detection along the Pravara river basin in Maharashtra, using remote sensing and GIS techniques. *AGD Landscape and Environment*, 3(2), 71-86.
299. Joti, A. K. (2010) *Gujarat-The global business hub*. 20p. Retrieved from http://www.ifpgujarat.gov.in/portal/docs/Gujarat_the_global_business_hub.pdf Accessed on 11/08/2011.
300. Kairo, J. G., Dahdouh-Guebas, F., Gwada, P. O., Ochieng, C., Koedam, N. (2002) Regeneration status of mangrove forests in Mida creek, Kenya: a compromised or secures future? *Ambio*, 31, 562-568.
301. Kamusoko, C. and Aniya, M. (2009) Hybrid classification of Landsat data and GIS for land use/cover change analysis of the Bindura district, Zimbabwe. *International Journal of Remote Sensing*, 30(1), 97-115.
302. Kapadia, G. A. (1952) Ecological and statistical notes on the grasses of Kathiawar. *The Journal of the Indian Botanical Society*, 31(4), 247-250.
303. Karudu, K. T. Rao, J. M., Ganesh, B., Avatharam, P., Naidu, A. G. S. S. (2013) Studies on textural characteristics of Erra Kalva River, West Godavari District, Andhra Pradesh, Ease coast of India. *International Journal of Geomatics and Geosciences*, 4(2), 280-295.
304. Kathiresan, K. (2003) How do mangrove forests induce sedimentation? *Revista de Biologia Tropical*, 51(2), 355-360.
305. Kathiresan, K. (2008) Mangrove resources of India: Current status, monitoring requirements and management strategies. In *Application of remote sensing and GIS tools for coastal and ocean resources mapping, monitoring and management*, (Eds.) Thangaradjou, T., Sivakumar, K., Ajithkumarm, T. T. and Saravanakumar, A., CAS in Marine Biology, Parangipettai, India, 82-99p.
306. Kathiresan, K. (2010) Ecology and environment of mangrove ecosystems. In *International training course on mangroves and biodiversity*, Centre of Advanced Study in Marine Biology Institution, Anamalai University, Tamil Nadu, India. Retrieved from http://ocw.unu.edu/international-network-on-water-environment-and-health/unu-inweh-course-1-mangroves/Course listing Accessed on 12th October, 2011.
307. Kathiresan, K. and Qasim, S. Z. (2005) *Biodiveristy of mangrove ecosystems*. Hindustan Publishing Corporation (India), New Delhi, 251p.
308. Khaleel, K. M. (2008) Management strategies for the mangrove wetlands of North Malabar. *National Workshop on "Mangroves in India: Biodiveristy, Protection and Environmental Services"*. Institute of Wood Science and Technology, Bangalore. Abstracts, p. 73.

309. Khatoon, S. and Akbar, G. (2008) *Natural vegetation assessment*. Indus for all Programme, WWF- Pakistan Programme Management Unit (PMU), 606,607 Fortunate Centre, Block-6 P.E.C. H.S., Shahra-e- Faisal, Karachi. 148p.
310. Kim, C. S. and Ihm, B. S. (1988) Studies on the vegetation of the salt marsh in the southwestern coast of Korea. *Korean Journal of Ecology*, 11, 175-192.
311. #Kivinen, S., Luoto, M., Kuussaari, M. and Saarinen, K. (2007) Effects of land cover and climate on species richness of butterflies in boreal agricultural landscapes. *Agriculture, Ecosystems and Environment*, 122, 453-460.
312. #Kjerfve, B. and Macintosh, D. J. (1997) The impact of climatic change on mangrove ecosystems. In *Mangrove Ecosystem Studies in Latin America and Africa*, (Eds.) Kjerfve, B., Lacerda, L. D. and Diop, S., UNESCO, Paris, 1-7p.
313. #Koch, M. S. and Mendelssohn, I. A. (1989) Sulphide as a phytotoxin: differential responses in two swamp species. *Journal of Ecology*, 77, 565-578.
314. Kolios, S. and Stylios, C. (2013) Identification of land cover/land use changes in the greater area of the Preveza peninsula in Greece using Landsat satellite data. *Applied Geography*, 40, 150-160.
315. Konecny, G. (2003) *Geoinformation, Remote sensing, photogrammetry and geographic information systems*. Taylor & Francis, 11 New Fetter Lane, London EC4P 4EE, 248p.
316. Kost, M. A. and Penskar, M. R. (2000) *Natural community abstract for coastal plain marsh*. Michigan Natural Features Inventory, Lansing, MI, 6p.
317. Kothari, M. J. and Rao, K. M. (1991a) Environmental impact on mangroves in Gujarat. *Indian Botanic Contactor*, 8, 51-57.
318. Kothari, M. J. and Rao, K. M. (1991b) Two new records for Goa and Gujarat. *Indian Botanic Contactor*, 8, 59-61.
319. Kothari, M. J. and Rao, K. M. (2002) *Mangroves of Goa*. Botanical Survey of India, Kolkata, 155p.
320. Krishnamurthy, K. (1990) The apiary of mangroves. In *Wetland Ecology and management: Case studies*, (Eds.) D.F. Whigham, D. Dykyjoya & S. Hejnyeds), Kluwer Academic press, Netherlands, pp.135-140.
321. Kumar, P. (2012) Impact of economic drivers on mangroves of Indian Sunderbans: an exploration of missing links. *Environment, Development and Sustainability*, 14, 939-953.
322. Kumar, P. A. and Patterson, J. (2008) Granulometric study of Tharubaikulam and Thirespuram, Gulf of Mannar, southeast coast of India. *Journal of Marine Biological Association of India*, 50(2), 127-133.
323. Kumaravel, S., Gurugnanam, B., Bagyaraj, M., Venkatesan, S., Suresh, M., Dharanirajan, K. (2013) Monitoring land cover changes in the parts of east coast of Tamilnadu and Pondicherry Union Territory Using Geospatial technology. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 2(4), 237-240.
324. Kunte, P. D. (2008) Sediment concentration and bed forms structures of Gulf of Cambay from remote sensing. *International Journal of Remote Sensing*, 29(8), 2169-2182.
325. Kunte, P. D. and Wagle, B. G. (1997) Remote sensing application for delineating coastal vegetation - A case study. *Current Science*, 72(4), 239-241.
326. Kurt, S. (2013) land use changes in Istanbul's Black Sea coastal regions between 1987 and 2007. *Journal of Geographical Sciences*, 23(2), 271-279.
327. #Lafon, V., De Melo Apoluceno, D., Dupuis, H., Michel, D., Howa, H. and Froidefond, J. M. (2004) Morphodynamics of nearshore rhythemic sandbars in a mixed-energy environment (SW France): I. Mapping beach changes using visible satellite imagery. *Estuarine, Coastal and Shelf Science*, 61, 289-299.

328. Lakshmi, A., Schiavina, A., Banerjee, P., Reddy, A., Mandeen, S., Rodriguez, S. and Apte, D. (2012) *The challenged cost of India*. A report prepared by PondyCAN in collaboration with BNHS and TISS, 210p.
329. Lambin, E. F., Baulies, X., Bockstael, N., Fischer, G., Krug, T., Leemans, R., Moran, E. F., Rindfuss, R. R., Sato, Y., Skole, D., Turner, B. L. II. and Vogel, C. (1999) *Land-use and land cover change (LUCC): Implementation strategy*. Stockholm, Bonn: IGBP and IHDP Secretariats. 125p.
330. Lambin, E. F., Geist. H. J. and Iepers, E. (2003) Dynamics of land-use and land-cover change in tropical regions. *Annual Review of Environmental Resources*, 28, 205-241.
331. Lange, R. D., Til, M. V. and Dury, S. (2004) The use of Hyperspectral data in coastal zone vegetation monitoring. *EARSeL eProceedings*, 3, 2/2004, pp. 143-153.
332. #Lawrence, C. A. (1960) The vegetation of Kanyakumari District (Cape Comorin). *Journal of the Bombay Natural History Society*, 57,184-195
333. Le, Q. B., Park, S. J. and Vlek, P. L. G. (2010) Land use dynamic simulator (LUDAS): A multi-agent system model for simulating spatio-temporal dynamics of coupled human-landscape system 2. Scenatio-based application for impact assessment of land-use policies. *Ecological Informatics*, 5, 203-221.
334. Lee, J. S. (1989) *On establishment of Halophytes along tidal level gradient at salt marshes of Mankyung and Dongjin River estuaries*. Ph.D. Thesis submitted to Seoul National University, Korea, 183p.
335. Levinton, J. S. (1995) *Marine Biology Function, Biodiversity, Ecology*. Oxford University Press, Inc., 198 Madison Avenue, New York, New York 10016, 420p.
336. Lewis, R. R., Phillips, M. J., Clough, B., Macintosh, D. J. (2003) *Thematic review on coastal wetland habitats and shrimp aquaculture*. Report prepared under the World Bank, NACA, WWF and FAO Consortium Program on Shrimp farming and the environment, 81p.
337. Li, J., Liao, Q., Li, M., Zhang, J., Tam, N. F. and Xu, R. (2010) Community structure and biodiversity of soil ciliates at Dongzhaigang Mangrove forest in Hainan Island, China. *Applied and Environmental Soil Science*, 1-8.
338. Li, S. and Nadolnyak, D. (2013) Agricultural land development in Lee County, Florida: Impacts of Economic and Natural Risk factors in a coastal area. *Presented at the Southern agricultural economics Association (SAEA) Annual Meeting*, 3-5 February 2013, Orlando, Florida, pp. 1-20.
339. Lillesand, T., Kiefer, R. and Chipman, J. (2007) *Remote Sensing and Image Interpretation* (5th ed.). John Wiley & Sons, New York, 763p.
340. Lomba, A., Torres, J., Alves, H. and Honrado, J. (2004) GIS applied to landscape valuation and managemnt in coastal areas. *6th International Conference Littoral 2002: The changing coast*, 22-26th September, 2002, Porto, Portugal, 770-772.
341. Longley, P., Donnay, J., Barnsley, M. (Eds.) (2001) *Remote Sensing and Urban Analysis*. Taylor and Francis, London, 117p.
342. Lovanna, R. and Vance, C. (2007) Modeling of continuous-time land cover change using satellite imagery: an application from North Carolina. *Journal of Land Use Science*, 2(3), 147-166.
343. Macintosh, D. J. (1996) Mangroves and coastal aquaculture: doing something positive for the environment. *Aquaculture Asia*, 1(2), 3-8.
344. Mahapatra, M., Ramkrishnan, R. and Rajawat, A. S. (2014) Monitoring long-term morphological changes of Narmada estuary using remote sensing and GIS techniques. *Journal of Geomatics*, 8(1), 125-129.

345. Mahapatra, M., Ratheesh, R. and Rajawat, A. S. (2015) Coastal vulnerability assessment of Gujarat coast to sea level rise using GIS techniques: a preliminary study. *Journal of Coastal Conservation*, 241-256.
346. Mahapatra, M., Ratheesh, R., Rajawat, A. S., Bhattacharya, S. and Ajai (2013) Impact of predicted sea level rise on land use and land cover of Dahej coast, Bharuch district, Gujarat, India. *International Journal of Geology, Earth and Environmental Sciences*, 3(2), 21-27.
347. Maia, R. C. and Coutinho, R. (2012) Structural characteristics of mangrove forests in Brazilian estuaries: A comparative study. *Revista de Biología Marina y Oceanografía*, 47(1), 87-98.
348. Maiti, S. and Bhattacharya, A. K. (2011) A three-unit-based approach in coastal-change studies using Landsat images. *International Journal of Remote Sensing*, 32(1), 209-229.
349. Mapedza, E., Wright, J. and Fawcett, R. (2003) An investigation of land cover change in Mafungabusi Forest, Zimbabwe, using GIS and participatory mapping. *Applied Geography*, 23(1), 1-21.
350. #Marschner, F. J. (1950) *Major land uses in the United States [map, scale 1:5,000,000]*. U.S. Dept. of Agriculture, Agricultural Research Service, 984p.
351. Martinez, J. and Toan, T. L. (2007) Mapping of flood dynamics and spatial distribution of vegetation in the Amazon flood plain using multi temporal SAR data. *Remote Sensing of Environment*, 108, 209-223.
352. Martinez, L. H. (2005) Post industrial revolution human activity and climate change: why the United States must implement mandatory limits on industrial greenhouse gas emissions. *Journal of land use*, 20(2), 407-426.
353. #Martins, F. R. (1991) *Estrutura de uma floresta mesofila*. Campinas: Universidade de Campinas, 246p.
354. Mascarenhas, A. and Jayakumar, S. (2008) An environmental perspective of the post-tsunami scenario along the coast of Tamil Nadu, India: role of sand dunes and forests. *Journal of Environment of Management*, 89, 24-34.
355. #Maun, M. A. (2004) Burial of plants as a selective force in sand dunes. In *Coastal Dunes, Ecology and Conservation, Ecological studies*, 171. (Eds.) Martı´nez, M. L., Psuty, N. P., Berlin Heidelberg, Germany, Springer-Verlag, pp.119-135.
356. Mazda, Y., Magi, M., Kogo, M. and Hong, P. N. (1997) Mangrove on coastal protection from waves in the Tong King Delta, Vietnam. *Mangroves and Salt Marshes*, 1,127-135.
357. McInnes, K. L., Walsh, K. J. E., Hubbert, G. D. and Beer, T. (2003) Impact of sea-level rise and storm surges on a coastal community. *Natural Hazards*, 30, 187-207.
358. McKerrow, A. J. (2007) *Mapping and monitoring plant communities in the coastal plain of North Carolina: A basis for conservation planning*. North Carolina State University, Dissertation, 196p.
359. #McKinney, T. F. and Friedman, G. M. (1970) Continental shelf sediments of Long Island, New York. *Journal of Sedimentary Petrology*, 40, 213-248.
360. #McManus, J. (1988) Grain size determination and interpretation. In *Techniques in sedimentology*, (Ed.) Tucker, M., Blackwell, UK, 63-85p.
361. Meehl, G. A., Stocker, T. F., Collins, W., Friedlingstein, P., Gaye, A., Gregory, J. M. (2007) Global climate projections. In *Climate change 2007: The physical science basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, (Eds.) Solomon, S., Qin, D., Manning, M., Chen, Z., Marquis, M. and Averryt, K. B., Cambridge University Press, Cambridge, 747-846.
362. Mehta, D. R. (2011) *Study of coastal vegetation of the Taldhyjagiri of Talaja taluka Gujarat*. Ph.D. thesis submitted to the Bhavnagar University, Bhavnagar, 358p.

363. #Melton, F. A. (1940) A tentative classification of sand dunes and its application to the dune history in the southern High Plains. *Journal of Geology,* 48, 113-174.
364. #Mendelssohn, I. A. (1979) Nitrogen metabolism in the height forms of *Spartina alterniflora* in North Carolina. *Ecology*, 60, 574-584.
365. #Mendelssohn, I. A. and McKee, M. L. (1988) *Spartina alterniflora* die-back in Louisiana: time-course investigation of soil water logging effects. *Journal of Ecology*, 76, 509-521.
366. #Mendelssohn, I. A. and Seneca, E. D. (1980) Influence of soil drainage on the growth of salt swamp grass *Spartina alterniflora* in North Carolina. *Estuarine and Coastal Marine Science*, 11, 27-40.
367. Mendoza, E. H., Santos, J. R., Santa Rosa, A. N. C. and Silva, N. C. (2004) Land use/land-cover mapping in Brazilian Amazon using neural network with ASTER/TERRA data. *Proceedings of the 20th Congress of the International Society for Photogrammetry andRemote Sensing*, Istanbul, pp.1-4. Retrieved from http://cartesia.es/geodoc/isprs2004/comm7/papers/24.pdf Accessed on 09/06/2015.
368. Merh, S. S. (1995) *Geology of Gujarat*. Geological Society of India, Bangalore. 222p.
369. Merh, S. S. and Vashi, N. M. (1984) *Regional terrain evaluation of the coastline between Okha-Madhi (Gujarat) and Ratnagiri (maharashtra).* Final Report, Research project sponsored by the Defence Terrain Research Laboratory, R & D Ministry of Defence, Delhi, 75p.
370. Messina, J. P. and Walsh, S. J. (2001) Simulating land use and land cover dynamics in the Ecuadorian Amazon through Cellular Automata Approaches and an Integrated GIS. *Presented at 2001 Open Meeting of the Human Dimensions of Global Environmental Change Research Community in Rio de Janerio*, October 6-8, 2001, Brazil, pp. 1-13.
371. Metternicht, G. (1999) Change detection assessment using fuzzy sets and remotely sensed data: and application of topographic map revision. *Journal of Photogrammetry and Remote Sensing*, 54, 221-233.
372. Meyer, W. B. (1995) Past and Present Land-use and Land-cover in the U.S.A. *Consequences*, 1, 25-33.
373. Meyer, W. B. and Turner, B. L. II, (Eds.) (1994) *Changes in Land Use and Land Cover: A Global Perspective*. Cambridge University Press, Cambridge, 537p.
374. Meyer, W. B. and Turner, B.L. II (1996) Land-Use/Land-Cover Change: Challenges for Geographers. *Geojournal*, 39(3), 237-240.
375. Mialhe, F., Gunnell, Y. and Mering, C. (2013) The impacts of shrimp farming on land use, employment and migration in Tumbes, northern Peru. *Ocean & Coastal Management*, 73, 1-12.
376. Min, B. M. and Kim, J. (1999) Plant distribution in relation to soil properties of reclaimed lands on the west coast of Korea. *Journal of Plant Biology*, 42(4), 279-286.
377. Mishra, A., Sharma, C. S., Panda, S. N., Jena, S. K., Panda, D. K. and Kumar, A. (2014) *Flood induced land use land cover changes and river dynamics assessment in Gujarat state, India*. Bulletin No. 68. Directorate of water management, Indian Council of Agricultural Research, Chandrasekharpur, Bhubaneswar, India, 44p.
378. Mishra, P. K., Sahu, J. R. and Upadhyay, V. P. (2005) Species diversity in Bhitarkanika Mangrove ecosystem in Orissa, India. *Lyonia*, 8(1), 73-87.
379. Mitsch, W. J. and Gosselink, J. G. (1993) *Wetlands* (2nd ed.). Van Nostrand Reinhold, New York.582p.
380. Moiola, R. S. and Weiser, D. (1968) Textural parameters: an evolution. *Journal of Sedimentary Petrology*, 38(1), 45-53.

381. Mondal, M., Dandapath, P. K. and Shukla, J. (2013) Mapping Dynamics of land utilization and its changing patterns of Purba Medinipure District- W.B. *International Journal of Innovative Research and Development*, 2(1), 664-676.
382. Monserrat, A. L., Celsi, C. E. and Fontana, S. L. (2012) Coastal Dune vegetation of the Southern Pampas (Buenos Aires, Argentina) and Its value for conservation. *Journal of Coastal Research*, 28(1), 23-35.
383. Moser, S. C. (1996) A Partial Instructional Module on Global and Regional Land Use/Cover Change: Assessing the Data and Searching for General Relationships. *Geojournal*, 39(3), 241-283.
384. Mukherjee, M. K. (1985) Morphology of South Gujarat coast-Its neotectonic significance. In S. S. Merh and N. M. Vashi (Eds.) *Proceedings of Quaternary Episodes in India (Neotectonism, Eustaty and Paleoclimates)*, Baroda, pp.26-33.
385. Mukherjee, N., Balakrishnan, M., Shanker, K. (2009a) Bioshields and ecological restoration in tsunami-affected areas in India. In *Integrated coastal zone management*. (Eds.) Dahl, E., Moskness, E., Stottrup, J., Wiley Blackwell Publishing, 131–134p.
386. Mukherjee, S., Shashtri, S., Singh, C. K., Srivastava, P. K. and Gupta, M. (2009b) Effect of canal on land use/land cover using Remote Sensing and GIS. *Journal of Indian Society of Remote Sensing*, 37, 527-537.
387. Mundia, C. N. and Aniya, M. (2005) Analysis of land use/cover changes and urban expansion of Nairobi city using remote sensing and GIS. *International Journal of Remote Sensing*, 26 (13), 2831-2849.
388. Murali, R. M., Ekka, S., Vethamony, P. and Ilangovan, D. (2007) Landuse/landcover studies of areas in and around Pradip Port, east coast of India. *Fourth Indian National Conference on Harbour and Ocean Engineering*, 12-14, Dec. 2007, at NITK, Surathkal, pp.441-445.
389. Muthukumar, K. and Samuel, S. A. (2010) Traditional herbal medicines of the Coastal Diversity in Tuticorin District, Tamil Nadu, India. *Journal of Phytology*, 2(8), 38-46.
390. Muthulingam, U. and Parthasarathy, N. (2010) Angiosperms, tropical dry evergreen forests of southern Coromandel coast, India. *Checklist*, 6(3), 368-381.
391. Muthusamy, S., Rosario, A. X., Naveen, R. T., Lakshumanan, C., Jayprakash, M. (2010) Land use and land cover changes detection using multitemporal satellite data, Cuddalore Coastal Zone, Se-Coast of India. *International Journal of Geomatics and Geosciences*, 1(3), 610-619.
392. Muthusankar, G., Lakshumanan, C., Pradeep-Kishore, V., Eswaramoorthi, S. and Jonathan, M. P. (2013) Classifying inundation limits in SE coast of India: application of GIS. *Natural Hazards*, 65, 2401-2409.
393. Muttitanon, W. and Tripathi, N. K. (2005) Land use /land cover changes in the coastal zone of Ban Don Bay, Thailand using Landsat 5 TM data. *International Journal of Remote sensing*, 26(11), 2311-2323.
394. Nabi, A. (2011) *Ecological studies and socio-economic aspects for the conservation and management of Krishna mangrove forests in Andhra Pradesh, India*. Ph.D. Thesis submitted to Acharya Nagarjuna University, Guntur, Andhra Pradesh, 136p.
395. Nag, P. and Sengupta, S. (2007) *Introduction to Geographical Information Systems*. Concept Publishing Company, 398p.
396. Nagabhatla, N., Finlayson, C. M., Sellamuttu, S. S., Wickramasuriya, R., Pattnaik, C., Prasad, S. N., and Gunawardena, A. (2007) Using geospatial tools to overcoming sustainability concerns for wetland ecosystem. *Proceedings of the 28th Asian conference on remote sensing (ACRS 2007)*, pp.1-6. Retrieved from http://a-a-r-s.org/aars/proceeding/ACRS2007/Papers/TS17.2.pdf Accessed on 09/06/15.

397. Nagamani, K. and Ramchandran, S. (2003) Land use /Land cover in Pondicherry Using Remote sensing and GIS. In J. B. Martin, V. M. Suresh and T. V. Kumaran, (Eds.) *Proceedings of the Third International Conference on Environment and Health*, Chennai, India, 15-17 December, 2003. Chennai: Department of Geography, University of Madras and Faculty of Environmental Studies, York University, pp.300-305.
398. Nagar, P. S. (2015) *Status of Endemic and threatened angiosperms of Gujarat*. Final report, submitted to Gujarat Biodiveristy Board (GBB), Gandhinagar, 194p.
399. Nagaraja, R., Ravi Shankar, G., Saxena, M. R., Kumar, R. and Shyamsunder, B. (2004) Remote Sensing and GIS for land use/land cover data generation at national level: An Indian experience. In *Land use/land cover management in India*, (Eds) Gautam, N. C. and Raghavaswamy, V., B.S. Publications, Hyderabad, India.88-103p.
400. Nagarajan, N. and Poongothai, S. (2011) Trend in Land use/land cover change detection by RS and GIS application. *International Journal of Engineering and Technology*, 3(4), 263-269.
401. Nagi, H. M. (2008) *Environmental studies on mangrove cover changes in Goa, and its Resident Crassostrea Population*. Unpublished Ph. D Thesis Submitted to Goa University, Goa, 277p.
402. Nair, V. (2002) *Status of The Flora and Fauna of Gulf of Kachchh, India*. National Institute of Oceanography, Dona Paula, Goa, India. 27p.
403. Nakhawa, A. D., Markad, S. S., Vichare, P. S. and Shridhankar, M. M. (2012) Mapping and change detection of mangrove forest in Sakhartar estuary of Ratnagiri district, Maharashtra. *International Multidisciplinary Research Journal*, 2(8), 04-08.
404. Navalgund, R. R., Jayaraman, V. and Roy, P. S. (2007) Remote sensing applications: an overview. *Current Science*, 93, 1747-1766.
405. Navalkar, B. S. (1953) The analytical characters of some of the Marsh vegetation of Bomabay and Salsette islands. *Journal of the Bombay Natural History Society*, 51(3) 637-652.
406. Navalkar, B. S. (1956) Geographical distribution of the halophytic plants of Bombay and Salsette islands. *Journal of the Bombay Natural History Society*, 53(3), 335-345.
407. Nayak S. R. and Sahai B. (1985) Coastal morphology: a case study of the Gulf of Khambhat (Cambay). *International Journal of Remote Sensing*, 6, 559-567.
408. Nayak, G. N. (2010) *Coastal issues and concerns: Challenges for the Research Community*. Prepared by Consortium of coastal academic institutions for the National Centre for Sustainable Coastal Management, Ministry of Environment and Forests, Government of India, New Delhi and Anna University Chennai, Chennai, 33-34.
409. Nayak, S. (1994) Application of remote sensing in study of mangrove ecosystems. In *Conservation of Mangrove Forest Genetic Resources- A training manual*, (Eds.) Deshmukh, S. V. and Balaji, V., M.S. Swaminathan Research Foundation, India and International Tropical Timber Organization, Japan, 203-220p.
410. Nayak, S. (2004) Role of remote sensing to integrated coastal zone management. In A. Orhan, (Ed.) *Proceeding of ISPRS XX Congress*, Vol. XXXV, Part, B7, XXth ISPRS Congress Technical Commission VII, July,12-13, 2004, Istanbul, Turkey, pp.1232-1243. Retrieved from http://www.isprs.org/proceedings/XXXV/congress/comm7/papers/235.pdf Accessed on 21st April, 2014.
411. Nayak, S. and Bahuguna, A. (2001) Application of Remote sensing data to monitor mangroves and other coastal vegetation of India. *Indian Journal of Marine Sciences*, 30(4), 195-213.
412. Nayak, S. and Behera, M. D. (2009) Land use/land cover classification and Mapping of Pilibhit District, Uttar Pradesh, India. *The Indian Geographical Journal*, 83(1), 1-10.

413. Nayak, S. and Mandal, M. (2012) Impact of land-use and land-cover changes on temperature trends over western India. *Current Science*, 102(8), 1166-1173.
414. Nayak, S. R. and Sahai, B. (1983) Morphological changes in the Mahi estuary. In the *Proceeding of the National Conference on Application of Remote Sensing of Natural Resources*, CSRE, IIT, Bombay, pp.152-154.
415. Nayak, S. R. and Sahai, B. (1985a) Coastal geomorphology of the Gulf of Khambhat. In S. S. Merh and N. M. Vashi (Eds.) *Proceedings of Quaternary Episodes in India (Neotectonism, Eustaty and Paleoclimates)*, Baroda, pp.87-96.
416. Nayak, S. R. and Sahai, B. (1985b) Coastal morphology: a case study of the Gulf of Khambhat (Cambay). *International Journal of Remote Sensing*, 6(3 and 4), 559-567.
417. Nayak, S. R., Bahuguna, A., Shah, D. G., Dhargalkar, V. K., Jagtap, T. G., Komrpant, D. S., Braganza, C., Rout, D. K., Bhattacharya, S., Mukherjee, K., Raman, A. V., Satyanarayan, B., Sharma, V. S., Sounderarajan, R., Singh, H. S. and Pandey, C. N. and Patel, B. H. (2003) *Community Zonation of selected Mangrove Habitats of India Using Satellite Data*. Scientific Note No. SAC/RESIPA/MWRG/MSCED/SN/16/2003, Space Application Centre, ISRO, Ahmedabad, 195p.
418. Nayak, S. R., Bahuguna, A., Shaikh, M., Rao, R. S., Trivedi, C. R., Prasad, K. N., Kadri, S. A., Vaidya, P. H., Patel, V. B., Oza, S. H., Patel, S. S., Rao, T. A., Shereiff, A. N. and Suresh, P. V. (1991) *Manual for mapping of coastal wetlands/landforms and shoreline changes using satellite data*. Technical Note, IRSUP/SAC/MCE/TN/32/91 (Space Application Centre, Ahmedabad), 63p.
419. Nayak, S. R., Bahuguna, A., Shaikh, M.G., Chauhan, H. B., Rao, R. S. and Arya, A. S. (1992) *Coastal Environment: Scientific Note*, RSAM/SAC/COM/SN/11/92 (Space Application Centre, Ahmedabad), 114p.
420. Nayak, S. (2004) Role of remote Sensing to integrated coastal Zone management. *Proceedings of ISPRS XX Congress*, vol. XXXV, part B7, pp.1232-1243.
421. Nayak, S., Gupta, M. C., Chauhan, H. B., Shaikh, M. G., Pandeya, A. and Rao, R. S. (1986) The application of Landsat data for coastal zone monitoring: A case study on the west coast of India. In the *Proceeding of the Regional Seminar on the Application of Remote Sensing Techniques to Coastal Zone Management and Environmental Monitoring*. Bangladesh Space Research and Remote Sensing Organization and UNDP/ESCAP. Regional Remote Sensing Programme, Dhaka, Banglades, pp.320-327.
422. Nayak, S., Gupta, M. C., Chauhan, H. B., Shaikh, M. G., Pandeya, A. and Rao, R. S. (1987) *Application of Landsat data for coastal zone monitoring : a case study on the part of west coast of India*. Scientific note. Space Applications Centre, Ahmedabad. IRS-UP/SAC/MCE/SN/08/87. 21p.
423. Nayak, V. N. and Andrade, L. V. (2008) Floral diversity and distribution of mangroves in the Kali Estuary, Karwar, West Coast of India. *National Workshop on "Mangroves in India: BIodiveristy, Protection and Environmental Services"*. Institute of Wood Science and Technology, Bangalore. Abstracts, p.8.
424. #Nebbia, A. J. and Zalba, S. M. (2002) Relicts of natural vegetation in the coast of Bahía Blanca (Buenos Aires, Argentina): Their potential for establishing a nature reserve. PS4.13, In: *Annals of the 29th International Symposium on Remote Sensing of the Environemnt*, (Buenos Aires, Argentina); CD-ROM.
425. Nelson, G. C. and Robertson, R. D. (2007) Comparing the GLC2000 and GeoCover LC land cover datasets for use in economic modeling of land use. *International Journal of Remote Sensing*, 28(19), 4243-4262.
426. Neukermans, G., Dahdouh-Guebas, F., Kairo, J. G. and Koedam, N. (2008) Mangrove species and stand mapping in Gazi Bay (Kenya) using Quickbird Satellite imagery. *Journal of Spatial Science*, 52, 75-86.

427. Newell, C. L., Peet, R. K. and Harrod, J. C. (1997) *Vegetation of Joyce Kilmer-Slickrock Wilderness, North Carolina*. University of North Carolina-Chapel Hill, Curriculum in Ecology and Department of Biology, 282p.
428. Nguyen, H, McAlpine, C., Pullar, D., Johansen, K. and Duke, N. C. (2013) The relationship of spatial-temporal changes in fiinge mangrove extent and adjacent land-use: Case study of Kien Giang coast, Vietnam. *Ocean and Coastal Management*, 76, 12-22.
429. Ni, J. R. and Li, Y. K. (2003) Approach to soil erosion assessment in terms of land-use structure changes. *Journal of Soil and Water Conservation*, 58, 158–169.
430. Nicholls, R. J., & Klein, R. J. T. (2005) Climate change and coastal management of Europe's coast. In *Environmental science monograph series: Managing European coasts: Past, present and future*. (Eds.) Vermaat, J. E., Bouwer, L., Turner, K. and Salomons, W., 199-226p.
431. Nicholls, R. J., Wong, P. P., Burkett, V.R., Codignotto, J.O., Hay, J.E., McLean, R.F., Ragoonaden, S. and Woodroffe, C. D. (2007) Coastal systems and low-lying areas. *Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the FourthAssessment Report of the Intergovernmental Panel on Climate Change*, (Eds.) Parry, M. L., Canziani, O. F., Palutikof, J. P., van der Linden, P. J. and Hanson, C. E. ,Cambridge University Press, Cambridge, UK, 315-356p.
432. Nicholson, W. R. and VanDeusen, R. D. (1953) Vegetative Type Mapping of Eastern Shore and Atlantic Coastal Marshes in Maryland. *Proceedings of 9th Annual Conference on Northeast Wildlife Society*, pp. 1-6.
433. Nosakhare, O. K., Aighewi, I. T. Chi, A.Y., Ishaque, A. B., and Mbamalu, G. (2012) Land use –land cover changes in the lower Eastern Shore watersheds and coastal bays of Maryland: 1986-2006. *Journal of Coastal Research*, 28(1A), 54-62.
434. NRSA (1989) *Manual of National land use/ land cover mapping using satellite imagery, Part-I*. National Remote sensing Agency, Department of Space, Govt. of India, Hyderabad, 58p.
435. O'Connor, T. G. and Kuyler, P. (2009) Impact of land use on the biodiversity integrity of the moist sub-biome of the grassland biome, South Africa. *Journal of Environmental Management*, 90, 384-395.
436. O'Hara, C. G., King, J. S., Cartwright, J. H. and King, R. L. (2003) Multitemporal land use and land cover classification of urbanized areas within sensitive coastal environments. *IEEE Transactions on Geoscience and Remote Sensing*, 41, 2005-2014.
437. O'Neill, H. (1953) *Investigation of Methods of Determining Terrain Conditions by Interpretation of Vegetation from Aerial Photography*, Technical report No. 6, part III, Arctic Institute, Catholic University of America, 151p.
438. Obade, P. T., Dahdouh-Guebas, F., Koedam, N., De Wulf, R. and Tack, J. (2004) GIS-based integration of interdisciplinary ecological data to detect land-cover changes in creek mangroves at Gazi Bay, Kenya. *Western Indian Ocean Journal of Marine Science*, 3(1), 11-27.
439. #Odum, E. P. (1968) Energy flow in ecosystems: a historical review. *American Zoologist*, 8, 11-18.
440. #Odum, E. P. (1980) The status of three ecosystem level hypotheses regarding salt marsh estuaries: tidal subsidy, outwelling and detritus-based food chains. In *Estuarine Perspectives*, (Eds.) Kennedy, V. S., Plenum, New York, 485-496p.
441. Odum, W. E., McIvor C. C., and Smith T. J. (1982) *The Ecology of the Mangroves of South Florida: A Community Profile*. A final report by the U.S. Fish and Wildlife Service for the U.S. Department of the Interior, Minerals Management Service Gulf of Mexico OCS Office, Metairie, LA. NTIS No. PB82-256108. FWS/OBS-81/24. 144p.

442. Ojima, D. S., Galvin, K. A. and Turner, B.L. II (1994) The Global Impact of Land-Use Change. *BioScience*, 44(5), 300-304.
443. Olorunfemi, J. F. (1983) Monitoring Urban Land-use in developed countries- an aerial photographic approach. *Environment International*, 9, 27-32.
444. Olson, D. P. (1964) *The use of aerial photographs in studies of marsh vegetation*. Maine Agricultural Experiment Station Technical Bulletins, 13, 62p.
445. #Orning, G. W. and Maki, L. (1972) *Land management information in northwest Minnesota: The beginning of a Statewide System*. Report. No.1. Minneapolis, University of Minnesota. Center for Urban Studies, Minnesota Land Management Information System Study, 75p.
446. Padmavathy, A. and Anbarashan, M. (2011) Phytomedicinal study of coastal sand dune floras in Puducherry. *Journal of Medicinal Plants Research*, 50(12), 2566-2571.
447. Padmavathy, K., Poyyamoli, G. and Balachandran, N. (2010) Coastal Dune Flora, Nallavadu village, Puducherry, India. *Check List*, 6(2), 198-200.
448. Palaniyandi, M. and Nagarathinam, V. (1997) Land use/land cover mapping and change detection using spaceborne data. *Journal of the Indian Society of Remote Sensing*, 25(1), 27-33.
449. Palchoudhuri, Y., Roy, P. S., Srivastava, V. K. (2015) A new socio-economic index for modeling land use and land cover change – a case study in Narmada river basin. *Journal of Land and Rural Studies*, 3(1), 1-29.
450. Panda, S. P., Subudhi, H. and Patra, H. K. (2013) Mangrove forests of river estuaries of Odhisha, India. *International Journal of Biodiversity and Conservation*, 5(8), 446-454.
451. Pandey, C. N. and Pandey, R. (2009) Study of Floristic Diversity and Natural recruitment of Mangrove species in selected Mangrove Habitats of South Gujarat, Gujarat Ecological Education and Research (GEER) Foundation, Gandhinagar, 92p.
452. Pandya, P. P., Jadeja, B. A. and Joshi, D. D. (2013) Weed floristic studies on field crops survey in Bharuch district of Gujarat. *International Multidisciplinary Journal of Applied Research*, 1(5), 29-32.
453. Pandya, P. R. (2009) *A study of the weed flora of some cultivated fields of Bharuch district*. Ph.D. Thesis. Submitted to Saurashtra University, 335p.
454. Paola, J. D. and Schowengerdt, R. A. (1997) The effect of Neural-Network structure on a multispectral land-use/land-cover classification. *Photogrammetric Engineering and Remote Sensing*, 63(5), 535-544.
455. 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(14) 4219-4235.
456. Parthasarathy, N. and Karthikeyan, R. (1997) Plant biodiversity inventory and conservation of two tropical dry evergreen forests on the Coromandel coast, south India. *Biodiversity and Conservation*, 6, 1063-1083.
457. #Passega, R. (1957) Texture as characteristic of clastic deposition. *American Association of Petroleum Geologists Bulletin*, 41, 1952-1984.
458. Patarasuk, R. and Binford, M. W. (2012) Longitudinal analysis of the road network development and land-cover change in Lop Buri province, Thailand, 1989-2006. *Applied Geography*, 32, 228-239.
459. Patel, A., Singh, V., Khalid, M., Kathota, J., Kalubarme, M. H., Pandya, C. H., Joshi, N. and Brahmabhatt, L. (2014) Mapping and monitoring of mangroves in the coastal districts of Gujarat state using remote sensing and geoinformatics. *Asian Journal of Geomatics*, 14(1), 15-26.

460. Patel, B. (2014) *Socio-economic and eco-environmental assessment of mangrove ecosystem in Mahi and Dhadhar river estuaries*. Ph.D. Thesis Submitted to the M.S. University of Baroda, Vadodara, 245p.
461. Patel, M. P., Patel, S. G. and Merh, S. S. (1982) Geomorphic studies on the coastline Between Mahi and Tapi river mouths. In *Geology and Geomorphology of Quaternary terrains of Gujarat with special reference to coastaline evolution*. A report of work based on the U.G.C. sponsored research programme on Quaternary geology, The M. S. University of Baroda, 227-247p.
462. Patel, M. P., Patel, S. G. and Merh, S. S. (1984) Geomorphic evidences of Quaternary sea-level changes in Mahi-Tapi coastal segment of Gujarat. In the *Proceedings of Symposium Quaternary Episodes in India (Neotectonism, Eustasy and paleoclimates)*, pp.49-62.
463. #Patel, R, M. (1971) *The flora of Bulsar and its environs*. Ph.D. Thesis submitted to Sardar Patel University, Vallabh Vidyanagar, Part I and II.
464. Patel, Y. S., Patel, R. M., Joshi, P. N. and Dabgar, Y. B. (2011) Study of Angiospermic flora of Kachchh district, Gujarat, India. *Life Sciences Leaflets*, 19, 739-768.
465. Pattanaik, C., Reddy, C. S. and Dhal, N. K. (2008a) Phytomedicinal study of coastal sand dune species of Orissa. *Indian Journal of Traditional Knowledge*, 7(2), 263-268.
466. Pattanaik, C., Reddy, C. S. and Prasad, S. N. (2008b) Mapping, monitoring and conservation of Mahanadi wetland ecosystem, Orissa, India using remote sensing and GIS. *Proceedings of the National Academy of Sciences, India- Section B Biological Sciences*, 78, pp.81-89.
467. Pawar, T. A. and Kolapkar, R. (2013) Mapping of mangrove area of Curtorim village-south Goa District-Goa- India-using remote sensing and GIS techniques. *National conference on Biodiversity: Status and Challenges in Conservation- 'FAVEO' 2013*, pp.94-96.
468. Payne, R., Wellington, R. and Somerville, M. (2010) Coastal sandplain vegetation at Brisbane water and broken bay-reconstructing the past to plan for the future. *Cunninghamia*, 11(3), 295-317.
469. Peet, R. K. and Allard, D. J. (1993) Longleaf pine vegetation of the Southern Atlantic and Eastern Gulf Coast regions: A preliminary classification. *Proceedings 18th Tall Timber Fire Ecology Conference on The Longleaf Pine ecosystem: Ecology, restoration and Management*, pp.45-82.
470. Pengra, B. W., Johnston, C. A. and Loveland, T. R. (2007) Mapping an invasive plant, Phragmites australis, in coastal wetlands using the EO-1 Hyperion hyperspectral sensor. *Remote Sensing of Environment*, 108, 74-81.
471. Perera, K. A. R. S and Amarasinghe, M. D. (2014) Effect of vegetation structure on carbon assimilation capacity of mangrove ecosystems in the east coast of Sri Lanka. *Journal of Coastal Development*, 17,382: 1-5.
472. Perera, K. A. R. S., Amarasinghe, M. D. and Somaratna, S. (2013) Vegetation structure and species distribution of mangroves along a soil salinity gradient in a micro tidal estuary on the North-western coast of Sri Lanka. *American Journal of Marine Science*, 1(1), 7-15.
473. Ponnambalam, K., Chokkalingam, L., Subramaniam, V. and Muthuswamy Ponniah, J. (2012) Mangrove distribution and morphology changes in the Mullipallam creek, south eastern coast of India. *International Journal of Conservation Science*, 3(1), 51-60.
474. Pool, D. J., Snedaker, S. C. and Lugo, A. E. (1977) Structure of mangrove forests in Florida, Puerto Rico, México, and Costa Rica. *Biotropica*, 9(3), 195-212.
475. Poppe, L. J., Eliason, A. H., Fredericks, J. J., Rendigs, R. R., Blackwood, D., Polloni, C. F. (2000) Grain-size analysis of marine sediments- methodology and data processing

(Chapter1). In *U.S.G.S. East-coast sediment analysis: Procedures, Database, and Georeferenced Displays*, (Eds.) Poppe, L.J., Hastings, M.E., Eliason, A.H., Fredericks, J.J., Rendigs, R.R., Blackwood, D. S., U.S. Geological Survey, Woods Hole, M.A. U.S. Geological Survey Open File Report 00-358.

476. Pradhan, S. D., Palei, N. C., Rath, B. P. and Swain, K. K. (2015) Assessment of floristic diversity of mangrove vegetation in Bagagahan Heronry of the Bhitarkanika National Park, Odisha, India. *Middle-East Journal of Scientific Research*, 23(3), 446-452.
477. #Pradhan, Y. D. and Satyanarayan, Y. (1965) The vegetation of Manori and Madh islands in Bombay. *Journal of the Bombay Natural History Society*, 62(1), 32-37.
478. #Prain, D. (1903) Flora of the Sunderbans. *Records of the Botanical Survey of India*, 2, 231-370.
479. Prakasam, C. (2010) Land use and land cover change detection through remote sensing approach: A case study of Kodaikanal taluk, Tamil Nadu. *International Journal of Geomatics and Geosciences*, 10(2), 150-158.
480. Provoost, S., Til, M., Deronde, B. and Knotters, A. (2005) Remote sensing of coastal vegetation in the Netherlands and Belgium. In J. L. Herrier, J. Mees, A. Salman, J. Seys, H. Van Nieuwenhuyse and I. Dobbelaere (Eds.) *Proceedings 'Dunes and Estuaries 2005'*. International conference on nature restoration practices in European coastal habitats, Koksijde, Belgium 19-23 September 2005. VLIZ Special Publication, 19, pp.139-149.
481. #Pullaiah, T. (2000) *Flora of Guntur District, Andhra Pradesh, India*. Daya Books, 417p.
482. #Qasim, S. Z. (1998) Mangroves. In: *Glimpses of the Indian Ocean*, (University Press, Hyderabad), 123-129p.
483. Qiang, Y. and Lam, N. S. N. (2015) Modeling land use and land cover changes in a vulnerable coastal region using artificial neural networks and cellular automata. *Environmental Monitoring and Assessment*, 187(3), 1-16.
484. Rahman, M. M. (2013) Temporal change detection of vegetation coverage in Patuakhali coastal area of Bangladesh using GIS and remotely sensed data. *International journal of Geomatics and Geosciences*, 4(1), 36-46.
485. Rai, R. K., Patnaik, S. N., Panda, P. and Singhavi, V. (1981) Hillslopes, land use and soil erosion around Shillong (Meghalaya). *Geographical Review of India*, 43, 365-371.
486. Rajendran, N. and Sanjeevi, S. B. (2004) *Flowering plants and fern in mangrove ecosystem of India* (T. Balasubramanian and S. Ajmal Khan, eds.). ENVIS Publication Series, 1, 110p.
487. Raju, D. C. S. (1968) The vegetation of west Godavari-study of tropical delta. *Proceedings of the Symposium on Recent Advances on Tropical Ecology*, International Society of Tropical Ecology, Varanasi, 1, pp. 348-358.
488. Ramachandran, S, Sundaramoorthy, S., Krishnamoorthy, R., Devasenapathy, J. and Thanikanchalam, M. (1998) Application of remote sensing and GIS to coastal wetland ecology of Tamil Nadu and Andaman and Nicobar group of islands with special reference to mangroves. *Current science*, 75(3), 236-244.
489. Ramanathan, A. L., RajKumar, K., Majumdar, J., Singh, G., Behera, P. N., Santra, S. C. and Chidambaram, S. (2009) Textural characteristics of the surface sediments of a tropical mangrove Sundarban ecosystem India. *Indian Journal of Marine Sciences*, 38(4), 397-403.
490. Rameshkumar, S. and Eswaran, K. (2013) Ecology, utilization and coastal management of salt tolerant plants (halophytes and mangroves) of Mypad coastal regions, Andhra Pradesh, India. *International Journal of Environmental Biology*, 3(1), 1-8.

491. Ramsey, E. W. and Laine, S. C. (1997) Comparison of Landsat Thematic Mapper and high resolution photography to identify change in complex coastal wetlands. *Journal of Coastal Research*, 13, 281–292.
492. Rana, T. S. and Ranade, S. A. (2009) The enigma of monotypic taxa and their taxonomic implications. *Current Science*, 96(2), 219-229.
493. Rao, B. R. M., Dwivedi, R. S., Kushwaha, S. P. S., Bhattacharya, S. N., Anand, J. B. and Dasgupta, S. (1999) Monitoring the spatial extent of coastal wetlands using ERS-1 SAR data. *International Journal of Remote Sensing*, 20, 2509-2517.
494. #Rao, P. A., Anilkumar, V., Rao, Y. A., Ravi, G. S. and Krishnan, S. (2001) Grain size parameters in the interpretation of depositional environments of coastal sediments between Bendi Creek and Vamsadhara river, east coast, India. *Journal of Indian Association of Sedimentologists*, 20(1), 106-116.
495. Rao, P. D., Gautam, C. N., Nagaraja, R., Mohan, R. P. (1996) IRS-1C applications in land use mapping and planning, *Current Science*, 70(7), 575-581.
496. Rao, R. S. (1965) Studies on the vegetation of Daman, Dadra and Nagar Haveli of Western India. *Ibid*, 402-403.
497. Rao, R. S. (1959) Observations on the mangrove vegetation of the Godavari estuary. *Proceeding of Mangrove Symposium*, Calcutta, pp.36-39.
498. Rao, T. A. (1971) Distributional resume of the maritime strand flora of India. *Bulletin of Botanical Survey of India*, 13(3 and 4)192-202.
499. Rao, T. A. and Aggarwal, K. R. (1964) Ecological studies of Saurashtra coast and neighbouring islands. I. Diu island. *Bulletin of Botanical Survey of India*, 6(2-4), 173-183.
500. Rao, T. A. and Aggarwal, K. R. (1966) Ecological studies of Saurashtra coast and neighbouring islands. II Beyt Island. *Bulletin of Botanical Survey of India*, 8(1), 16-24.
501. Rao, T. A. and Aggarwal, K. R. (1971) Ecological studies of Saurashtra coast and neighbouring islands. III. Okhamandal Point to Diu Coastal areas. *Proceedings of Symposium on Problems of Indian Arid Zone*, Jodhpur, pp.31-42.
502. Rao, T. A. and Meher-Homji, V. M. (1985) Strand plant communities of the Indian sub-continent. *Proceedings of Indian Academy of Sciences (Plant Science)*, Vol. 94 (2 & 3), pp.505-523.
503. Rao, T. A. and Mukherjee, A. K. (1967) Ecological studies of Saurashtra coast and neighbouring islands. V. Jafarabad to Bhavnagar coastal area. *Bulletin of Botanical Survey of India*, 9 (1-4), 79-87.
504. Rao, T. A. and Sastry, A. R. K. (1972) An Ecological approach towards classification of coastal vegetation of India, 1. Strand Vegetation. *Indian Forester*, 98(1), 594-607.
505. Rao, T. A. and Sastry, A. R. K. (1974a) An Ecological approach towards classification of coastal vegetation of India, II. Estuarine Border vegetation. *Indian Forester*, 100(7), 438-452.
506. Rao, T. A. and Shanware, P. G. (1967) Ecological studies of Saurashtra coast and neighbouring islands. VI. An approach to a classification of the Saurashtra coastland-A resume. *Bulletin of Botanical Survey of India*, 9(1-4), 240-248.
507. Rao, T. A., Aggarwal, K. R. and Mukherjee, A. K. (1963a) An ecological account of the vegetation of Rameswaram island. *Bulletin of Botanical Survey of India*, 5(3 and 4) 301-323.
508. Rao, T. A., Aggarwal, K. R. and Mukherjee, A. K. (1963b) Ecological studies on the soil and vegetation of Krusadi group of islands in the Gulf of Manaar. *Bulletin of Botanical Survey of India*, 5(2), 141-148.
509. Rao, T. A. and Sastry, A. R. K. (1974b) An outline of the coastal vegetation of India. *Bulletin of Botanical Survey of India*, 16(2), 101-115.

510. Rao, V. B., Rao, G. M. N., Sarma, G. V. S. and Rao, B. K. (1992) Mangroves environment and its sediment characters in Godavari estuary, east coast of India. *Indian Journal of Marine Sciences*, 21(1), 4-66.
511. #Rao, V. L. S. P. (1947) Soil survey and land use analysis. *Indian Geographic Journal*, 22(3).
512. #Rao, V. L. S. P. (1959) The role of geographers in Landuse planning, *Bombay Geographical Magazine*, VI-VII (2), 39-44.
513. #Rashid, M. A. (1985) Gujarat's gulf of Kutch- A marine Paradise. *Proceeding of Symposium on Endangered Marine Animals and Marine parks*, 1, pp.467-474.
514. Ravisankar, T., Sreenivas, K., Ravisankar, G., Fyzee, M. A., Sujatha, G., Kumar, R., Saxena, M. R., Shyam, S. B. and Padma, R. G. (2013) Land resources management and monitoring. In *Bulletin of the National natural resources management system (NNRMS-(B)-37*, Indian Remote sensing satellite series and applications: A saga of 25 years. March 2013. NNRMS, Department of Space, Antariksh Bhavan, New BEL Road, Bangalore- 560 231. 76-85p.
515. Reddy, C. S. and Roy, A. (2008) Assessment of three decade vegetation dynamics in mangroves of Godavari Delta, India using multi-temporal satellite data and GIS. *Research Journal of Environmental Sciences*, 2(2), 108-115.
516. Reddy, C. S., Pattanaik, C. and Mutrthy, M. S. R. (2007) Assessment and monitoring of mangroves of Bhitarkanika Wildlife Sanctuary, Orissa, India using remote sensing and GIS. *Current Science*, 92(10), 1409-1415.
517. Reddy, R. D., Karudu, K. T., and Varma, D. D. (2008) Textural characteristics of south western part of Mahanadi Delta, east coast of India. *Journal of Indian Association of Sedimentologists*, 27(1), 111-121.
518. Reid, M., Bourgeron, P., Humphries, H. and Jensen, M. (1995) *Documentation of the modeling of potential vegetation at three spatial scales using biophysical settings in the Columbia River Basin Assessment Area*. Report to the U.S. Forest Services, 195p.
519. Richards, J. F. and Flint, E. P. (1994) *Historic Land Use and Carbon Estimates for South and Southeast Asia 1880-1980*. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Environmental Science Division, Publication No. 4174, 420p.
520. Richardson, T. and Al-Tahir, R. (2008) Modelling land use and land cover dynamics to assess sustainability in Trinidad and Tobago. *Proceedings of the 10th International Conference for Spatial Data Infrastructure*, GSDI Association. Trinidad and Tobago, pp.1-15.
521. Riebsame, W. E., Parton, W. J., Galvin, K. A., Burke, I. C., Bohrne, L., Young, R. and Knop, E. (1994) Integrated modeling of land use and cover change. *BioScience*, 44(5), 350-356.
522. Robertson, L. D and King, D. J. (2011) Comparison of pixel- and object-based classification in land cover change mapping. *International Journal of Remote sensing*, 32(6), 1505-1529.
523. Robinove, C. J., Chavez, P. S., Jr., Gehring, D. and Holmgren, R. (1981) Arid land monitoring using Landsat albedo difference images. *Remote Sensing of Environment*, 11, 133-156.
524. #Robinson, I. S. (2004) *Measuring the ocean from space: The principle and methods of satellite oceanography*. Springer-Praxis, Chichester and Heidelberg, UK, 670pp.
525. Rodrigues, R., Mascarenhas, A. and Jagtap, T. G. (2011) An evaluation of flora from coastal sand dunes of India: Rationale for conservation and management. *Ocean and Coastal Management*, 54(2), 181-188.
526. Rogan, J. and Chen, D. (2004) Remote Sensing technology for mapping and monitoring land-cover and land-use change. *Progress in Planning*, 61, 301-325.

527. Rojas, C., Pino, J., Basnou, C. and Vivanco, M. (2013) Assessing land-use and –cover changes in relation to geographic factors and urban planning in the metropolitan area of Concepción (Chile). Implications for biodiversity conservation. *Applied Geography*, 39, 93-103.
528. Ross, J. (1985) Detecting land use change on Omaha's urban fringe using a Geographic Information System. In *Proceedings of Auto Carto 7*. (Falls Church, Va: American Congress on Surveying and Mapping), Washington D.C. USA, pp.463-471.
529. #Roxburgh, W. (1814) *Hortus bengalensis or catalogue of plants growing in the Honourable East India Company; Botanical Garden at Calcutta*. Serampore, Mission Press, 105p.
530. #Roy, B. K. (1968) Measurement of rural landuse in Azamgarh, Middle Ganga Valley. *The geographer*, Spl. No. Landuse, XI, 78-100.
531. Roy, P. S. and Giriraj, A. (2008) Land Use and Land cover analysis in Indian Context. *Journal of Applied Sciences*, 8(8), 1346-1353.
532. Roy, P. S., Roy, A., Joshi, P. K., Kale, M. P., Srivastava, V. K., Srivastava, S. K., Dwevidi, R. S., Joshi, C., Behera, M. D., Meiyappan, P., Sharma, Y., Jain, A. K., Singh, J. S., Palchowdhuri, Y., Ramachandran, R. M., Pinjarla, B., Chakravarthi,V., Babu, N., Gowsalya, M. S., Thiruvengadam, P., Kotteeswaran, M., Priya, V., Yelishetty, K. M. V. N., Maithani, S., Talukdar, G., Mondal, I., Rajan, K. S., Prasad, N. S., Biswal, S., Chakraborty, A., Padalia, H., Chavan, M., Pardeshi, S. N., Chaudhari, S. A., Anand, A., Vyas, A., Reddy, M. K., Ramalingam, M., Manonmani, R., Behera, P., Das, P., Tripathi, P., Matin, S., Khan, M.,Tripathi, O. P., Deka, J., Kumar, P. and Kushwaha, D. (2015) Development of decadal (1985-1995-2005) land use and land cover database for India. *Remote sensing*, 7, 2401-2430.
533. Ruiz-Luna, A. and Berlanga-Robles, C. A. (2003) Land use, land cover changes and coastal lagoon surface reduction associated with urban growth in northwest Mexico. *Landscape Ecology*, 18, 159-171.
534. Sajish, P. R. (2012) *An assessment of the nutrient profile and biotic components of Mahi estuary and Vamleshwar mangrove of Gulf of Khambhat, Gujarat, India*. Ph. D. Thesis Submitted to the Sardar Patel University, 222p.
535. Sala, O. E., Chapin, F. S., Armesto, J. J., Berlow, E., Bloomfield, J., Dirzo, R., Hubersanwald, E., Huenneke, L. F., Jackson, R. B., Kinzig, A., Leemans, R., Lodge, D. M., Mooney, H. A., Oesterheld, M., Poff, N. L., Sykes, M. T., Walker, B. H., Walker, M. and Wall, D. H. (2000) Biodiversity: global biodiversity scenarios for the year 2100. *Science*, 287, 1770-1774.
536. Salter, L. A. (1937) Some Problems of Rural Land-Use Planning in the Northeastern Industrial Region. *The Journal of Land & Public Utility Economics*, 13(1), 31-37.
537. Samant, H. P. and Subramanyan, V. (1998) Landuse/land cover change in Mumbai-Navi Mumbai cities and its effects on the drainage basins and channels- A study using GIS. *Journal of the Indian Society of Remote Sensing*, 26(1 and 2), 1-6.
538. Samanta, S., Kunte, P. D. and Mahender, K. (2012) Coastal geomorphology and landuse changes along coastal parts of Goa: an RS-GIS Approach. *Proceedings of Global Geospatial Conference 2012*. Québec city, Canada, 14-17 May 2012. Proceeding of GSDI 13, 2012, ID- 106, pp. 1-30.
539. Sampath Kumar, V. (2005) An overview of mangroves in Andamans and its significance in maintenance of natural ecosystem. In *Proceedings of National seminar on Reef ecosystem remediation*, SDMRI Research Publication No. 9, Suganthi Devadson Marine Research Institute, Tuticorin, India, pp.200-212.
540. Sanger, D., Blair, A., Didonato, G., Washburn, T., Jones, S., Riekerk, G., Wirth, E., Stewart, J., White, D., Vandiver, L. and Holland, A. F. (2015) Impacts of coastal

development on the ecology of tidal creek ecosystems of the US Southeast including consequences to humans. *Estuaries and Coasts*, 38 (Suppl 1) S49-S66.

541. #Santapau, H. and Shah, G. L. (1969) A contribution to the flora of Salsette Island, Bombay (Malad- Madh area). *Journal of the Bombay Natural History Society*, 66(3), 430-442.
542. Santhiya, G., Lakshumanan, C. and Muthukumar, S. (2010) Mapping of landuse/ land cover changes of Chennai coast and issues related to coastal environment using remote sensing and GIS. *International Journal of Geomatics and Geosciences*, 1(3), 563-576.
543. Saravanan, K. R. (2005) *A study on the biodiversity and management of Pondicherry mangroves*. Report submitted to the Department of Science, Technology and Environment, Government of Pondicherry, India. 58p.
544. Saravanan, K. R., Ilangovan, K. and Khan, A. B. (2008) Floristic and macro faunal diversity of Pondicherry mangroves, South India. *Tropical Ecology*, 49(1), 91-94.
545. #Sarre, R. D. 1989. The morphological significance of vegetation and relief on coastal foredune processes. *Zeitschrift für Geomorphologie*, 73, 17-31.
546. Sasidhar, K. and Rao, P. B. (2015) Conservation and management of mangroves at Nizampatanam and Palarevu. *Asia Pacific Journal of Research*, 1(25), 5-15.
547. #Satyanarayan, Y. (1958) Ecological studies of Bombay Coastline. I. Strand Flora. *Journal of Biological Sciences*, 1(1), 53-55.
548. #Satyanarayan, Y. (1959) Ecological studies of the Elephanta Island. *Travaux de la Section Scientifique et Technique*, 1, 99-117.
549. Satyanarayana, B., Thierry, D., Seen, L., Raman, A. V. and Muthusankar, G. (2001) Remote sensing in mangrove research-relationship between vegetation indices and endocentric parameters: a case for Coringa, east coast of India. *Proceedings of the Asian Conference of Remote Sensing*, Singapore, 5-9 November, 2001, pp.567-572.
550. Sauer, C. O. (1919) Mapping the Utilization of the Land, *Geographical Review*, 8(1), 47-54.
551. Sawale, A. K. and Thivakaran, G. A. (2013) Structural characteristics of mangrove forest of Kachchh, Gujarat. *Journal of Marine Biological Association of India*, 55(1), 5-11.
552. Saxena, M. R., Kumar, R., Saxena, P. R., Nagaraja, R. and Jayanthi, S. C. (2004) Remote sensing and GIS based approach for environmental sensitivity studies a case study from Indian east coast. *Proceedings of ISPRS XX Congress*, vol. XXXV, part B7, pp.5. Retrieved from http://www.isprs.org/proceedings/xxxv/congress/comm7/papers/225.pdf Accessed on 29/11/2011.
553. Saye, S. E. and Pye, K. (2007) Implications of sea level rise for coastal dune habitat conservation in Wales, UK. *Journal of Coastal Conservation*, 11, 31-52.
554. Schimper, A. F. W. (1891) *Dic-Indo-Malayisd re-strand flora*. Fischer, Jena, 204p.
555. Schmidt, K. S., Skidmore, A. K., Kloosterman, E. H., Vanoosten, H., Kumar, L. and Janssen, J. A. M. (2004) Mapping coastal vegetation using an expert system and hyper spectral imagery. *Photogrammetric Engineering and Remote Sensing*, 70, 703–715.
556. Schröder, D. (2010) Open Source Desktop GIS- Ready to Use for Teaching at Universities? In F. Behr, P. Anakkathil, A. César, B. Castañón (Eds) *Applied Geoinformatics for Society and Environment Geoinformática Aplicada para la Sociedada y el Medio Ambiente*, AGSE 2010, Published by Stuttgart University of Applied Sciences, Hochschule für Technik Stuttgart, pp.104-109.
557. Sciandrello, S., Tomaselli, G. and Minissale, P. (2015) The role of natural vegetation in the analysis of the spatio-temporal changes of coastal dune system: a case study in Sicily. *Journal of Coastal Conservation*, 19(2), 199-212.

558. Scrimshaw, M. D., Bubb, J. M. and Lester J. N. (1994) Magnitude and distribution of contaminants in salt marsh sediments of the Essex coast. IV. Organochlorine insecticides and polychlorinated biphenyls. *Science of the Total Environment*, 155, 73–81.
559. Seifi, H. and Sepasian, M. S. (2011) *Electronic Power System Planning: Issues, Algorithms and solutions*. Springer Science and Business Media, 374p.
560. Selvum, V., Ravishankar, T., Kaunagaran, V. M., Ramasubramanian, R., Egnathan, P., Parida, A. K. (2005) *Toolkit for establishing Coastal Bioshield*. M.S.Swaminathan Research Foundation, Centre for Research on Sustainable Agriculture and Rural Development, 3rd Cross Street, Institutional area, Taramani, Chennai, India, 120p.
561. Seto, K. C., Woodcock, C. E., Song, C., Huang, X., Lu, J. and Kaufmann, R. K. (2002) Monitoring land-use change in the Pearl River Delta using Landsat TM. *International Journal of Remote Sensing*, 23(10), 1985-2004.
562. #Shafi, M. (1960) *Land utilization in eastern Uttar Pradesh*. Ph.D. Thesis submitted to Aligarh Muslim University, 222p.
563. Shah, A., Nandani, D., Joshi, H. (2012) *Marginalisation or Mainstreaming? Evidence from Special Economic Zones in Gujarat*. GIDR Working paper series, 210,47p.
564. Shah, D. G. (2004) *Floral Diversity and Ecology of few select areas of Gujarat: A study using remote sensing*. Ph.D. Thesis submitted to The Maharaja Sayajirao University of Baroda, Vadodara, 168p.
565. Shah, D. G., Bahuguna, A., Deshmukh, B., Nayak, S. R., Singh, H. S., Patel, B. H. (2005) Zoning and monitoring dominant mangrove communities of a part of the Marine National Park, Gulf of Kachchh. *Journal of the Indian Society of Remote Sensing*, 33(1), 155-163.
566. Shah, G. L. (1978) *Flora of Gujarat State*. Sardar Patel University, Vallabh Vidyanagar, Part I and II, 1074p.
567. Shalaby, A. and Tateishi, R. (2007) Remote sensing and GIS for mapping and monitoring land cover and land-use changes in the Northwestern coastal zone of Egypt. *Applied Geography*, 27, 28-41.
568. Shamsudheen, M., Dasog, G. S. and Tejaswini, N. B. (2005) Land use/ land cover mapping in the coastal area of North Karnataka using remote sensing data. *Journal of the Indian Society of Remote Sensing*, 33(2), 253-257.
569. Sharma, C. S., Behera, M. D., Mishra, A. and Panda, S. N. (2011) Assessing flood induced Land-cover changes using Remote Sensing and fuzzy approach in Eastern Gujarat (India). *Water Resources Management*, 25, 3219-3246.
570. Sharma, P. P. and Sikarwar, R. L. S. (2014) Floristic diversity of Diu Island. In *Proceeding of International Day for Biological Diveristy Island Biodiversity, 22nd May, 2014*. Uttar Pradesh State Biodiveristy Board, pp.151-154.
571. Sharma, R., Ghosh, A., Joshi, P. K. (2013) Spatio-temporal footprints of urbanization in Surat, the Diamond City of India (1990-2009). *Environmental Monitoring and Assessment*, 185, 3313-3325.
572. Shepard, C. C., Crain, C. M. and Beck, M. W. (2011) The Protective Role of Coastal Marshes: A Systematic Review and Meta-analysis. *PLoS One*, 6(11):e27374. Retrieved from doi:10.1371/journal.pone.0027374 Accessed on 25th March, 2013.
573. #Shepard, J. R. (1964) A concept of change detection. *In proceedings 30th Annual Meeting of the American Society of Photogrammetry*. 17-20 March, 1964, Washington, D.C., pp.648-651.
574. Sherbinin, A. (2002) *A CIESIN Thematic Guide to Land-Use and Land-Cover Change (LUCC)*. Center for International Earth Science Information Network (CIESIN), Columbia University, Palisades, NY, USA, 67p. Retrieved from http://sedac.ciesin.columbia.edu/tg/guide_main.jsp Accessed on 1/12/2011.

575. Shi, Z., Wang, R. C., Huang, M. X. and Landgraf, D. (2002) Detection of coastal saline land uses with multi-temporal Landsat images in Shangyu City, China. *Environmental Management*, 30, 142-150.
576. Shukla, M. L. (2014) *A comparative study of macro faunal community of natural and restored mangrove sites between Mahi and Dhadhar river estuaries of Gulf of Khambhat*. Ph.D. Thesis Submitted to the M.S. University of Baroda, Vadodara, 219p.
577. #Siddiqi, N. A. (1997) Management of Resources in the Sunderbans Mangroves of Bangladesh. *International News Letter of Coastal Management – Intercoast Network*. Special edition, 1, 22-23.
578. #Sidhu, S. S. (1963) Studies on the mangroves of India. *Proceeding of Indian Academy of Sciences*, 33(8), pp.129-136.
579. Simões, J., Rocha, J., Ferreira, J. C., Tenedório, A. J. and Morgado, P. (2009) A bottom up approach to the modeling of coastal and land use evolution through GIS. *CoastGIS*, 1-12.
580. Simon, S. S., Collins, T. K., Kauffman, G. L., McNab, W. H. and Ulrey, C.C. (2006) *Ecological zones in the Southern Appalachians: first approximation*. Research Paper SRS-41. U.S. Department of Agriculture, Forest service, Southern Research Station. Asheville, North Carolina, 41p.
581. Singarasubramanian, S. R., Mukesh, M. V. Manoharan, K., Murugan, S., Bakkiaraj, D., Peter, A. J. and Seralathan, P. (2006) Sediment characteristics of the M 9 tsunami event between Rameswaram and Thoothukudi, Gulf of Mannar, Southeast coast of India. *The International Journal of the Tsunami Society*, 25(3), 160-172.
582. Singh, A. (1989) Review article digital change detection techniques using remotely-sensed data. *International Journal of Remote Sensing*, 10(6), 989-1003.
583. Singh, H. S. (2000) *Mangroves of Gujarat, current status and strategy for conservation*. Technical report (No. Mangroves-25/2000). GEER Foundation, Gandhinagar, 128p.
584. Singh, H. S. (2002) Growth pattern of mangrove in Gulf of Kutch. *Journal of the Bombay Natural History Society*, 97(2), 202-207.
585. Singh, H. S. (2006) *Mangroves and their environment, with emphasis on mangroves in Gujarat*. Forest Department, Gujarat State, Gandhinagar, 283p.
586. #Singh, J. (1974) *An agricultural Atlas at India. A geographical analysis*. Kurukshetra, Vishal Publication, 299p.
587. Singh, N. T. (2005) *Irrigation and soil salinity in the Indian Subcontinent: Past and Present*. Lehigh University Press, 404p.
588. Sinha, B. K. (2010) *Gujarat's ports to become major drivers of Economy*. Presented at International conference on "DMIC, SIRs, SEZs and Multi-modal logistics parks in the state of Gujarat" on 16th April, 2010, 14p. Retrieved from http://dholerasir.com/images/seminardmic/GIDB-Gujarat's%20ports.ppt Accessed on 9/11/2012.
589. Skole, D. L. (1994) Data on Global Land-Cover Change: Acquisition, Assessment, and Analysis. In *Changes in Land Use and Land Cover: A Global Perspective*, (Eds.) Meyer, W.B. and Turner, B.L. II, Cambridge: Cambridge University Press, 437-471p.
590. Small, C. and Nicholls, R. J. (2003) A global analysis of human settlement in coastal zones. *Journal of Coastal Research*, 19(2), 584-599.
591. Smith, G. M., Spencer, T., Murray, A. L. and French, J. R. (1998) Assessing seasonal vegetation change in coastal wetlands with airborne remote sensing: an outline methodology. *Mangrove and Salt Marshes*, 2, 15-28.
592. Snedakar, S. C. and Snedakar, J. C. (1984) *The mangrove ecosystem: research methods*. United National Educational, Specific and Cultural Organization, 7 place de Fontenoy, 75700 Paris, 251p.

593. #Snow, A. A. and Vince, S. W. (1984) Plant zonation in an Alskan salt swamp. II. An experimental study of the role of edaphic conditions. *Journal of Ecology*, 72, 669-684.
594. Snyder, R. A. and Boss, C. L. (2002) Recover and Stability in Barrier Island plant communities. *Journal of Coastal Research*, 18(3), 530-536.
595. Sobrino, J. A. and Raissouni, N. (2000) Towards remote sensing methods for land cover dynamic monitoring: Application to Morocco. *International Journal of Remote Sensing*, 21, 353-366.
596. #Sorensen, T. A. (1948) A method of establishing groups of equal amplitude in plant sociology based on similarity of species content, and its application to analyses of the vegetation on Danish commons. *Biologiske Skrifter*, 5(4), 1-34.
597. Sreenivasulu, V. and Bhaskar, P. U. (2010) Change detection in landuse and land cover using Remote sensing and GIS techniques. *International Journal of Engineering Science and Technology*, 2(12), 7758-7762.
598. #Stamp, L. D. (1950) *The Land of Britain, Its Use and Misuse*. Longman's, Green, London, 34p.
599. Stanley, O. D. (2004) Wetland ecosystems and coastal habitat diversity in Gujarart, India. *Journal of coastal development*, 7(2), 49-64.
600. Stathopoulou, M., Cartalis, C. and Keramitsoglou, I. (2004) Mapping micro-urban heat islands using NOAA/AVHRR images and CORINE Land Cover: an application to coastal cities of Greece. *International Journal of Remote Sensing*, 25, 2301-2316.
601. Stevens, A. R., Ogden, W. H., Wright, H. B. and Craven, C. W. (1974) Alternatives for land use/cover mapping in the Tennessee River watershed. *Proceeding of the American Congress On Surveying and Mapping 34th Annual meeting*, 10-15 March, American Society of Photogrammetry and remote sensing, St. Louis, Mo., pp.533-542.
602. Strickland, R. N. (2002) *Image-Processing Techniques for Tumor Detection*. CRC Press, Technology and Engineering, 384p.
603. Sudhakar, S. and Rao, K. S. (2010) Land use and land cover analysis. In *Remote Sensing Applications*. (Eds.) Roy, P. S., Dwivedi, R. S. and Vijayan, D., National Remote Sensing Centre, Hyderabad. 21- 48p.
604. Suma and Gowda, P. V. (2013) Diversity of mangroves in Udupi district of Karnataka state, India. *International Research Journal of Biological Sciences*, 2(11), 11-17.
605. Suma, K. P. (2000) *Physiological changes and distribution patterns of mangrove flora of Cochin*. Ph.D. Thesis submitted to Mahatma Gandhi University, Kottayam, 201p.
606. Sundaram, R. M., Rai, V. and Pal, N. K. (1991) Quaternary landforms and neotectonic activity in Bharuch area, Gujarat. In N. D. Desai, S. Ganapathi and P. K. Patel, (Eds.) *Proceeding National Seminar on Quaternary Landscape of Indian Sub-continent*, The M. S. University of Baroda, Baroda, pp.195-202.
607. Sunday, O. A. and Ajewole, A. I. (2006) Implications if the changing pattern of landcover of Lagos Coastal area of Nigeria. *American-Eurasian Journal of Scientific Research*, 1(1), 31-37.
608. Swanin, P. K. and Rao, R. (2008) Floral diversity and vegetation ecology of mangrove wetlands in the states of Goa, Karnataka and Andhra Pradesh, India. *National Workshop on "Mangroves in India: Biodiversity, Protection and Environmental Services"*. Institute of Wood Science and Technology, Banglore. Abstracts, p.5.
609. Swanin, P. K. and Sultana, R. (2009) Coastal ecosystems and their management in Andhra Pradesh. *Paryavaranam EPTRI-ENVIS Newsletter*, 3(1), 3-6.
610. Tabata, R. S. (1986) The native coastal plants of O'ahu Hawai'i. In: C. W. Smith, (Eds.) *Proceedings of the Third Conference in Natural Sciences Hawaii Volcanoes National Park*, 4-6 June, 1980; Honolulu. Honolulu (HI): University of Hawaii at Manoa,

Department of Botany. pp. 321-346.URL: http://hdl.handle.net/10125/18410 Accessed on 07/08/2015.

611. Tage, R. (2014) *Geomorphology and land use a study of Eastern Himalaya*. Serial Publication. New Delhi, India. 181p.
612. Talbot, S. S. and Talbot, S. L. (1994) Numerical classification of the coastal vegetation of Attu island, Aleutian islands, Alaska. *Journal of Vegetation Science*, 5(6), 867-876.
613. Talbot, W. A. (1894) *The Trees, shrubs and woody climbers of the Bombay Presidency*. The Government Central Press, Bombay, 230p.
614. Tanaka, N., Sasaki, Y., Mowjood, M. I. M., Jinadasa, K. B. S. N. (2007) Coastal vegetation structures and their functions in tsunami protection: experience of the recent Indian Ocean tsunami. *Landscape and Ecological Engineering*, 3, 33–45.
615. Tattu, S., Bhonde, U., Desai, N. D. and Shah, D. G. (2008a) Change detection study of coastal configuration along the Narmada Estuary at Kaladra village, Bharuch district: A remote sensing approach. *Journal of the Indian Association of Sedimentologists*, 27(2), 127-133.
616. Tattu, S., Shah, D. G., Desai, N. and Chauhan, H. B. (2008b) Land use changes in Vagra taluka, Bharuch District - Gujarat: an analysis with the application of Remote Sensing Data. *Indian Cartographer*, 28, 485-489.
617. Taylor, M., Ravilious, C. and Green, E. P. (2003) *Mangroves of East Africa*. UNEP World Conservation Monitoring Centre. 25p.
618. #TERI (2000) *Measuring, monitoring and managing sustainability: the coastal dimension*. 2nd Annual report EC, DG research, INCO-DC 1997.
619. Thakkar, A., Desai, V., Patel, A. and Potdar, M. (2014) Land use/land cover classification of remote sensing data and their derived products in a heterogeneous landscape of a Khan-Kali Watershed, Gujarat. *Asian Journal of Geoinformatics*, 14(4), 1-12.
620. #Thaman, R. R. (1992) *Batiri Kei Baravi: The Ethnobotany of Pacific Island Coastal Plants*. Atoll Research Bulletin. No.36. Issued by National Museum of Natural History, Smithsonian Institution, Washington, D.C.USA, 62p.
621. Thivakaran, G. A., Saravanakumar, A., Serebiah, J. S., Joshua, J., Sunderraj, W. and Vijaykumar, V. (2003) Vegetation structure of Kachchh mangroves, Gujarat, northwest coast of India. *Indian Journal of Marine Sciences*, 31(1), 37-44.
622. Thomas, D. S. G. and Tsoar, H. (1990) The geomorphological role of vegetation in desert dune systems. In *Vegetation and Erosion*, (Eds.)Thornes, J. B. Wiley & Sons Ltd., Chichester, UK, 471-480p.
623. #Thrower, N. J. W. (1970) Land use in the Southwestern United States from Gemini and Apollo imagery (map supplement no.12). *Annals Association of American Geographers*, Washington, DC, 60(1), 208-209.
624. Thu, P. M. and Populus, J. (2007) Status and changes of mangrove forest in Mekong Delta: Case study in Tra Vinh, Vietnam. *Estuarine, Coastal and Shelf Science*, 71, 98-109.
625. Thuy, N. B., Tanaka, N. and Tanimoto, K. (2012) Tsunami mitigation by coastal vegetation considering the effect of tree breaking. *Journal of Coastal Conservation*, 16,111-121.
626. Tomlinson, P. B. (1986) *The Botany of Mangroves*. Cambridge University Press, Cambridge, UK. 413p.
627. #Toor, P. S. (1958) Studies in the vegetation of Gujarat coast, Western India. *Proceeding of Indian Science Congress*, Part III(4), pp.333-334.

628. Toyra, J. and Pietroniro, A. (2005) Towards operational monitoring of a northern wetland using geometrics-based techniques. *Remote Sensing of Environment*, 97, 174–191.
629. #Trask, P. D. (1939) *Recent marine sediments*. American Association of Petroleum Geologists, Tulsa, Oklahoma, 736p.
630. Treitz, P. M., Howarth, P. J. and Gong, P. (1992) Application of satellite and GIS technology for land-use mapping at the rural urban Fringe: A case study. *Photogrammetric Engineering and Remote Sensing*, 58, 439-448.
631. Turner, B. L. II and Meyer, W. B. (1994) "Global Land Use and Land Cover Change: An Overview." In *Changes in Land Use and Land Cover: A Global Perspective*, (Eds.) Meyer, W.B. and Turner, B.L. II, Cambridge University Press, Cambridge, 3-10p.
632. Turner, B. L. II, Meyer, W. B., Skole, D. L. (1994) Global land use /land cover change: towards an integrated study. *AMBIO*, 23, 91-95.
633. Turner, B. L. II, Skole, D., Sanderson, S., Fischer, G., Fresco, L. and Leemans, R. (1995) *Land-Use and Land-Cover Change; Science/Research Plan*. International Geosphere-Biosphere Programme (Report No.35) and the Human Dimensions of Global Environmental Change Programme (Report No.7). Stockholm: Royal Swedish Academy of Sciences, 135p.
634. Turner, M. G. and Gardner, R. H. (1991) Quantitative Methods in Landscape Ecology: an introduction. In *Quantitative Methods in Landscape Ecology*, (Eds.) Turner, M.G. and Gardner, R.H., Springer Verlag, New York, 536p.
635. Turner, R. K., Subak, S. and Adger, W. N. (1996) Pressures, Trends, and Impacts in Coastal Zones: Interactions between Socioeconomic and Natural Systems. *Environmental Management*, 20(2), 159-173.
636. Udvardy, M. D. F. (1975) *A classification of the biogeographical provinces of the world*. IUCN Occasional paper no. 18. International Union for Conservation of Nature and Natural Resources Morges, Switzerland. Prepared as a contribution to UNESCO's Man and Biosphere Programme Project No. 8. 49p.
637. Unnikrishnan, A. S., Shetye, S. R. and Michael, G. S. (1999) Tidal propagation in the Gulf of Khambhat, Bombay High, and surrounding areas. *Proceedings of the Indian Academy of Sciences-Earth and Planetary Sciences*, 108(3), pp.155-177.
638. Untawale A. G. (1994) *Coastal sand dune vegetation, Biodiversity in Western Ghats*, An information Kit (WWF- India, IIRR, SIDA), 3-10p.
639. Untawale, A. G. and Ambiye, V. (1989) Flora of Beyt Shankhodar in the Gulf of Kuchchh. *Marine Archaeology of Indian Ocean Countries*, 139-141.
640. Untawale, A. G. and Jagtap, T. G. (1991) Floristic composition of the deltaic regions of India. In *Quatemary Deltas of India*. (Eds.)Vaidyanadhan, R., Memories of the Geological Society of India, Published by, Geological Society of India, 243-263p.
641. Untawale, A. G. and Wafar, S. (1989) Distribution of mangroves along Gulf of Kuchchh. S. R. Rao (Eds.) *Proceedings of 1st Indian Conference on Marine Archaeology for the Indian Ocean Countries*, pp.135-138.
642. Upadhyay, R., Joshi, N., Sampat, A. C., Verma, A. K., Patel, A., Singh, V., Kathota, J. and Kalubarme, M. H. (2015) Mangrove restoration and regeneration monitoring in Gulf of Kachchh, Gujarat State, India, Using Remote Sensing and Geo-Informatics. *International Journal of Geosciences*, 6, 299-310.
643. Upkong, L. E. (1991) The performance and distribution of species along soil salinity gradients of mangrove swamps in southeastern Nigeria. *Vegetaion*, 95,63-70
644. Valiela, I. and Teal, J. M. (1974) Nutrient limitation in salt swamp vegetation. In *Ecology of halophytes*, (Eds.) Reimold, R.J. and Queens, W.H. Academic Press, New York, 547-563p.

645. Valiela, I., Bowen, J. L., York, J. K. (2001) Mangrove forests: one of the world's threatened major tropical environments. *BioScience*, 51, 807-815.
646. #Van Rheede tot Drakenstein, H. (1678-1693) *Hortus Indicus Malabaricus*. Johannes van Someren, Amsterdam. 12 Vol.
647. Vanacker, V., Vanderschaeghe, M., Govers, G., Willems, E., Poesen, J., Deckers, J. and Bievre, B. (2003) Linking hydrological, infinite slope stability and land-use change models through GIS for assessing the impact of deforestation on slope stability in high Andean watersheds. *Geomorphology*, 52, 299-315.
648. Vannucci, M. (2002). Indo-west pacific mangroves. In *Mangrove ecosystems* (Lacerda L.Ded.), Springer-Verlag, Berlin, 123-215p.
649. Varghese, A., John, C. M., Punnen, K. and Thomas, A. P. (2010). Forest disturbance analysis using geoinformatics in Pamba Range of Periyar Tiger Reserve, Kerala, India. In *Proceedings of Applied Geoinformatics for Society and Environment (AGSE) 2010*, August, 3-6, 2010 at Universidad Catolica de Santa Maria, Arequipa, Peru. Publication of the Hochschule Für Technik Stuttgart University of Applied Sciences, 109, pp. 63-67.
650. Varsani, N. R. (1991) *District Census Handbook, Part XII-A & B, village and town directory, village and town wise primary census abstract book*. Government of Gujarat, 515p.
651. Vegda, V. and Babaria, A. (2012) Enumeration of flora in Mundra-SEZ Area. *Plant Sciences Feed*, 2(6), 91-95.
652. Venkataraman, K. and Wafar, M. (2005) Coastal and marine biodiversity of India. *Indian Journal of Marine Sciences*, 34(1), 57-75.
653. Venkateshwarlu, W. (1944) The estuarial flora of the Godavari. *Journal of the Bombay Natural History Society*, 44, 432-435.
654. Venugopal, P. D., Huston, G., Pelkey, N. W. and Bhalla, R. S. (2008) Restoration of mangrove habitats. In *Studies on Vulnerability and Habitat Restoration along the Coromandel coast*, (Eds.) Bhalla, R.S., Ram, S., and V.Srinivas. 1st ed. UNDP/UNTRS & FERAL Pondicherry, India, 179-199p.
655. Verburg, P. H., Konning, G. H. J., Kok, K., Veldkamp, A. and Bouma, J. (1999) A Spatial explicit allocation procedure for modeling the pattern of land use change based upon actual land use. *Ecological Modeling*, 16, 45-61.
656. #Vesey-Fitzgerald, D. F. (1955) Vegetation of the Red Sea coast south of Jedda, Saudi Arabia. *Journal of Ecology,* 43, 477-489.
657. #Vesey-Fitzgerald, D. F. (1957) Vegetation of the Red Sea coast north of Jedda, Saudi Arabia. *Journal of Ecology,* 45, 547-562.
658. Vidyasagaran, K., Ranjan, M. V., Maneeshkumar, M. and Praseeda, T. P. (2011) Phytosociological analysis of mangroves at Kannur district, Kerala. *International Journal of Environmental Sciences*, 2(2), 671-677.
659. Vijaya Kumar, K. M. and Vijaya Kumara (2012) Diversity of true mangroves and their associates in the Kundapura region, Udupi district, Karnataka, Southwest coast of India. *Current Botany*, 3(2), 3-9.
660. Vijaya Kumar, K. M. and Vijaya Kumara (2015) Diversity and distribution of mangroves of Kundapura, Udupi District, Karnataka, Southwest coast of India. *International Research Journal of Environment Sciences*, 4(3), 1-11.
661. Vink, A. P. A. (1975) *Land use: Advancing agriculture*. Springer Verlag Berlin Heidelberg, New York, Series in Agricultural Science, 1p.
662. Virmani, S. M., Sahrawat, K. L. and Burford, J. R. (1982) Physical and chemical properties of vertisols and their management. *Twelfth International Congress of Soil Science*, 8-16 February, 1982, New Delhi, pp.80-93.

663. Visalatchi, A. and Raj, C. P. (2012) Land use and land cover mapping and shoreline changes studies in Tuticorin Coastal area Using Remote Sensing. *International Journal of Advanced Earth Science and Engineering*, 1(1), 1-12.
664. Visher, G. S. (1969) Grain size distribution and depositional process. *Journal of Sedimentary Petrology*, 39, 1074-1106.
665. Vishwanathan, P. K., Pathak, K. D. and Mehta, I. (2011) *Socio-economic and ecological benefits of mangrove plantation*. A study of community based mangrove restoration activities in Gujarat. Gujarat Ecology Commission, Gandhinagar, 141p.
666. Vyas, S. J. and Joshi, A. J. (2013) Study of diversity indices and ecological characteristic of coastal flora in "Bhal" region (Gujarat). *International Journal of Plant, Animal and Environmental Sciences*, 3(2), 261-267.
667. #Walkley, A. and Black, T.A. (1934) An examination of the Degtjareff method for determining soil organic matter, and a proposed modification of the chromic acid titration method. *Soil Science*, 37, 29-38.
668. Walters, B. B. (2005) Ecological effects of small-scale cutting of Philippine mangrove forests. *Forest Ecology and Management*, 206, 331-348.
669. Watson, E. B. and Byrne, R. (2012) Recent (1975-2004) Vegetation change in the San Francisco Estuary, California, Tidal Marshes. *Journal of Coastal Research*, 28(1), 51-63.
670. Watson, E. B., Pasternack, G. B., Gray, A. B., Goñi, M., Woolfolk, A. M. (2013) Particle size characterization of historic sediment deposition from a closed estuarine lagoon, Central California. *Estuarine, Coastal and Shelf Science*, 126, 23-33.
671. #Wells, B. W and Shunk, I. V. (1931) The vegetation and Habitat Factors of the coarser sands of the North Carolina Coastal Plain: An Ecological Study. *Ecological Monographs*, 1(4), 465-520.
672. #Wells, B. W. (1928) Plant Communities of the Coastal Plain of North Carolina and their successional relations. *Ecology*, 9(2), 230-242.
673. 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.
674. Weng, Q. (2002) Land use change analysis in the Zhujiang Delta of China using satellite remote sensing, GIS and Stochastic modeling. *Journal of Environmental Management*, 64, 273-284.
675. Wernberg, T., Russell, B. D., Thomsen, M. S., Gurgel, C. F. D., Bradshaw, C. J. A., Poloczanska, E. S. and Connell, S. D. (2011) Seaweed communities in retreat from ocean warming. *Current Biology*, 21, 1828-1832.
676. #White, K and El Asmar, H. M. (1999) Monitoring changing position of coastlines using thematic mapper imagery, an example from the Nile Delta. *Geomorphology*, 29, 93-105.
677. #Wiegert, R. G., Chalmers, A. G. and Anderson, P. F. (1983) Productivity gradients in salt swamps: the response of *Spartina alterniflora* to experimentally manipulated soil water movement. *Oikos*, 41, 1-6.
678. #Wolanski, E., Mazda, Y. and Ridd, P. (1992) Mangrove hydrodynamics. In *Coastal and Estuarine Studies: Tropical Mangrove Ecosystems*, (Eds.) Robertson, A. I. and Alongi, D. M., American Geophysical Union, Washington, DC., USA, 43-62p.
679. Woldewahid, G., Werf, W., Sykora, K., Abate, T., Mostofa, B. and Huis, A. (2007) Description of plant communities on the Red Sea coastal plain of Sudan. *Journal of Arid Environments*, 68, 113-131.
680. #Wolfe, S. A. and Nickling, W. G. (1993) The protective role of sparse vegetation in wind erosion. *Progress in Physical Geography*, 17, 50-68.

681. World Resources Institute (WRI) (2000) *World Resources 2000-2001: People and Ecosystems - the Fraying Web of Life*. World Resources Institute, Washington, D.C., 389p.
682. Yadav, V. and Malanson, G. (2008) Spatially explicit historical land use land cover and soil organic carbon transformations in Southern Illinois. *Agriculture, Ecosystems and Environment*, 123, 280-292.
683. Yagoub, M. M. and Kolan, G. R. (2006) Monitoring coastal zone land use and land cover changes of Abu Dhabi using Remote Sensing. *Journal of the Indian Society of Remote Sensing*, 34(1), 57-68.
684. Yang, X. and Liu, Z. (2005) Using satellite imagery and GIS for land use and land cover change mapping in an estuarine watershed. *International Journal of Remote Sensing*, 26, 5275-5296.
685. Yang, X. and Lo, C. P. (2002) Using a time series of satellite imagery to detect land use and land cover changes in the Atlanta, Georgia metropolitan area. *International Journal of Remote Sensing*, 23(9), 1775-1798.
686. Yeshaneh, E., Wagner, W., Exner-Kittridge, M., Legesse, D. and Blöschl, G. (2013) Identifying Land use/cover dynamics in the Koga catchnment, Ethiopia, from Multi-Scale Data, and Implications for Environmental Change. *ISPRS International Journal of Geo-Information*, 2, 302-323.
687. Yesuf, H. M., Assen, M., Melesse, A. M. and Alamirew, T. (2015) Detecting land use/land cover changes in the lake Hayq (Ethiopia) drainage basin, 1957-2007. *Lakes and Reservoirs: Research and Management*, 20, 1-18.
688. Yuan, H., Cynthia, F. V. D. W. and Khorram, S. (2009) An automated artificial neural network system for land use/ land cover classification from Landsat TM imagery. *Remote Sensing*, 1, 243-265.
689. #Zahran, M. A. (1977) Africa wet formations of the African Red Sea coast. In *Ecosystems of the world. 1. Wet coastal ecosystems*. (Eds). Chapman, V. J., Elsevier. New York, 215-231p.
690. #Zalba, S. and Nebbia, A. J. (1999) *Neosparton darwinii* (Verbenaceae), a restricted endemic species. Is it also endangered? *Biodiversity and Conservation*, 8(12), 1585-1593.
691. Zaman, S., Pramanick, P., Biswas, M., Mondal, B., Mukherjee, S.N., Ganguly, G., Chakraborty, D. and Mitra, A. (2014) Ecosystem services of mangrove associates floral species inhabiting Indian Sunderbans. *International Journal of Institutional Pharmacy and Life Sciences*, 4(6), 29-39.
692. Zhang, Y., Dengsheng, L., Yang, B., Chunhua S. and Ming, S. (2011) Coastal wetland vegetation classification with a Landsat Thematic Mapper image. *International Journal of Remote Sensing*, 32(2), 545-561.
693. Zubair, A. O. (2006) Change detection in land use and land cover using remote sensing data and GIS (A case study of Ilorine and its environs in Kwara State), MSc Thesis, University of Ibadan, Nigeria, 44p. Retrieved from geospatialworld.net/uploads/thesis/OpeyemiZubair_ThesisDoc.doc Accessed on 19th June, 2015.
694. Zubair, A. O. (2008) Monitoring the growth of settlements in Ilorin, Nigeria (A GIS and Remote Sensing approach). *Proceedings of the International Archives of the Photogrammetry, Remote sensing and Spatial Information Sciences*, Vol. XXXVII. Part B6b. Beijing, pp.225-232.

Original reference not seen