

- 13. Burrough, P. A. (1986), Principles of Geographical Information System for Land Resources Assessment, Clarendon Press, Oxford.
- Burrough, P.A., and McPonnell, R.A. (2004). Principles of Geographical Information Systems. Oxford University Press, New York.
- 15. Census Hand Book: District Bharuch 1981-2001.
- 16. Central Water Commission Publication. (1996). Water and Related Statistics, New Delhi
- Cernea, M. M. (1996), Public Policy Responses to Development Induced Population Displacements, Economic and Political weekly, June 15, 1996.
- Chakraborty, S. C. (1983), Perspectives on managing Man Environment Relationship, The National Association of Geography of India, Vol. III, No. 1. June – Dec.
- 19. Chakraborty, S. C. (1987), Issues concerning management of ecosystem, Geographical Review of India, Vol. 49, No. 1.
- 20. Chakraborty, S. C. (1998), Geographers' Approach to Environment Management, Geographical Review of India, Vol. 60, No. 1.
- Champion (1974), "Comp for Agriculture land", in Edwards A. M. and Rogers A. W. (Eds) – Agricultural Resources, Faber and Faber, London.
- 22. Chang K.T. (2006). "Introduction to GIS", Tata McGrawHill, New Delhi.
- 23. Chatterjee, S. P. (1946), Land Utilization in the 24-Parganas, Bengal, Calcutta Geographical Society, Calcutta.
- 24. Chatterjee, S. P. (1990), The place of Geography in National Planning, Geographical Review of India, Vol. 52, NO. 1.
- Chattopadhyay, Mahahaya. (1983), Landuse and its relation with terrain characteristics, The National Association of Geography of India, Vol. III, No. 1. June – Dec.

- 26. Chisholm, N.D.I. (1979), Rural Settlement and Landuse, Hutchinson, London.
- Chorley, R. J. (1969), The drainage basin as the fundamental geomorphic unit. In water, Earth and Man"(edited by R. J. Chorley); Metnuen, London, p.p 77-100.
- 28. Chow V. T., 1988, "Applied Hydrology, New York, McGraw Hill Book Company.
- 29. Chow, V.T. (1964). Hand Book of Applied Hydrology, McGraw-Hill Book Company, New York.
- 30. Clawson, M (1972), Americas Land and its Use, John Hopkins Press, Baltimore.
- Colin, C. (2006). "Planning for floods-will be ever learn?" International Water Power and Dam Construction. Vol. 58, No. 6, 20-26.
- 32. Conkling and Yeates (1976), Man's Economic Environment, McGraw Hill Company, New York.
- 33. Coppock, J. T. (1964), Agriculture Atlas of England and Wales, Faber and Faber, London.
- Coppock, J. T. (1964), Crop Livestock and Enterprise Combination in England and Wales. Economic – Geography 40.
- D0i, K. K. (1957), The Industrial Structure of Japanese Perfectures, Tokyo: Proceedings of International Geographic Union Regional Conference in Japan.
- 36. Das G., (2000), Hydrology and Soil Conservation Engineering, Prentice
 Hall of India Private limited, New Delhi 110 001.
- 37. Das Gupta, S. P. (2001), The Ancient Indian Science of the Earth as Enunciated by Kautilya, Geographical Review of India, Vol. 63, No. 3.
- Das Gupta, S. P. (2002), The Indian Concept of Monsoon Circulation, Geographical Review of India, Vol. 64, No. 3. September.

- Das Gupta, S. P. (2002), The Indian Concept of Monsoon Circulation, Geographical Review of India, Vol. 64, No. 3. September.
- 40. Das, Veena. (1996), Dislocation and Rehabilitation: Defining a Field, Economic and Political weekly, June 15, 1996.
- Deota, B.S., Desai, N.D. (1999), Quaternary landscape of South Gujarat: An implication for modern landuse, Gond. Geological Magazine, Vol.14 (1), p.p. 37-49.
- **42.** Deshpande, C. D. (1987), Geography in the services of common man, Geographical Review of India, Vol. 49, No. 4.
- 43. Dikshit, Jutta. (1983), Identification of drought prone areas and predication of expectation in Maharashtra, Geographical Review of India, Vol. 45, No. 4.
- 44. District Panchmahal 1981 2001.
- 45. District Vadodara 1981 2001.
- 46. Doorenbos J., Kassam A. (1979), "Crop Water Requirement", FAO 24.
- 47. Doorenbos J., Kassam A. (1979), "Yield Response to Water", FAO 33.
- 48. Dougherty, T. C., and Hall A. W. (1995), Environmental impact assessment of irrigation and drainage projects, HR Wallingford, United Kingdom.
- 49. **Draft National Policy for Rehabilitation of Persons** Displaced as a Consequence of Acquisition of Land, Ministry of Rural Development.
- 50. Durbude, D. G., Varadrajan, N. and Purandara, B. K. (2002), Mapping of Ground Water Quality Parameters in GIS Environment, Proceedings of ICHWAM, ed., B.V.RAO et.al., Vol. 2.
- **51.** Dwivedi, D. K. (1988), Climatology of Drought in North India, Geographical Review of India, Vol. 50, N0. 3.
- 52. Fieder, F. R. (2003), "Practical method for determining station weights using Thessien polygon and isohyetal maps", Journal of Hydrology Engineering Vol.8, No. 4, July 1 Handbook of Hydrology, (1972). Soil Conservation Department, Ministry of Agriculture, New Delhi.

- 53. Gandhinagar)
- 54. Goyal, Sangeeta. (1996), Economic Perspectives on Resettlement and Rehabilitation, Economic and Political weekly, June 15, 1996.
- 55. Gupta, Akhilesh. (2002), Chasing the Monsoon, GEOGRAPHY AND YOU, Vol.2, No. 7.
- 56. Gupta, R. K. (2002), Methods in Environmental Analysis. Soil and Air, Agrobios (India), New Delhi.
- 57. Hansen, J.A. (1978) Land use in North-America and E.E.C. (1951-71) Department of Environment Studies and Country side Planning Wye College University of London
- 58. Hart, Fraser (1976), Urban Encroachment on Rural Areas, Geographical Review.
- Horton, R. E. (1953), Erosional development of streams and their drainage basins hydrology approach in quantitative morphology. Bulletin Geo. Soc. Am 56 pp 275-370.
- 60. Information: Damned?, GIS development, Vol. IV, Issue 11.
- Iyer, S. (1989), Groundwater potential in the Narmada alluvium of Madhya Pradesh, The National Association of Geography of India, Vol. IX, No. 2.
- 62. Jagadeesha, C. J. (1999), Water Resources Development and Management, GIS development, Vol. III, Issue 6.
- 63. Jain, et al. (2003). "Comparative analysis of event based rainfallrunoff modeling techniques–deterministic, statistical, and artificial neural networks." Journal of Hydrologic Engineering, Vol. 8, 93-97.
- 64. Jain, M.K., Kothyari, U.C., and Raju, K.G.R. (2004). A GIS Based Distributed Rainfall-Runoff Model. J. Hydrol., Vol. 299, pp. 107-135.
- 65. Jain, S. K. and Chaudhary, Anju. (2002), Forest Cover Assessment of Uttranchal State, GIS development, Vol. 6, Issue. 9.

- 66. Jain, S.K., Rathore, D.S., and Sharma, D.K. (2004). "Remote sensing and GIS applications in the management of water resources development." ISG, Newletter, Vol. 10, No. 182, 15-23.
- Jana, M. M. and Khonodoker Emamul Haque. (2002), Suitability of Groundwater for Agriculture in the Terai Area, Darjiling District, Geographical Review of India, Vol. 64, No. 3. September
- Joji, V. S., Nair, A. S. K. and Changat, Manoj. (2003), Ground Water Resource Potential of Vamanapuram River Basin, Kerala, Geographical Review of India, Vol. 65, No. 1.
- 69. Joseph, A. J. (2002), Determination of Yield Response Factor for Kharif Paddy and Sugarcane in C.C.A of Surat Branch Canal after Introduction of Rotational Water Supply System, Dissertation submitted to Department of Water Resources Engineering and Management, M.S.University of Baroda, Samiala.
- 70. Joshi, M. M. (2002), Let Asia Map the Future of Human Kind, GIS development, Vol. 6, Issue. 9.
- 71. Kanzaria, M.V. and Patel M.S. (1986), "Soils of Gujarat and their Management", in soils of India. (Published by FAI, New Delhi.)
- 72. Karad, S. M., Rao, Srinivas. K. And Rao, G. S. (1999), GIST Based Groundwater Assessment Model, GIS development, Vol. IV, Issue 6.
- 73. Karnchanasutham, Supan. (2002), Rice Planted area Suitability in Thailand, GIS development, Vol. 6, Issue. 9.
- Keys to Taxonomy, Eighth Edition, 1998 United States Department of Agriculture. Natural resources Conservation Service.
- 75. Kostrowicki, J. (1968), some Methods and Techniques to determine Crop and Landuse Combinations as used in the Polish Landuse Studies, 21st International Geographical Congress – Symposium on landuse in developing Countries. Aligarh – 1972.
- 76. Kothari, Smitu. (1996), **Whose Nation?** The Displaced as Victims of Development, Economic and Political weekly, June 15, 1996.

- 77. Krishana, Bal. (1999), Chasing the Mirage: A Planned India, GIS development, January-February.
- 78. Kumar, Vijay., Rai, S. P. And Rathore, D. S. (2004), Land Use Mapping of Kandi Belt of Jammu Region, Journal Of The Indian Society Of Remote Sensing, Vol. 32, NO.4.
- 79. Linsley, R.K., Kholer, M.A., and Paulhas, I.H. (1975). Applied Hydrology, Tata McGraw-Hill, New Delhi, India.
- Maguire, D. J., Goodchild, M. F., and Rhind, D. W (1991), Geographical Information System: Principles and Applications, Longman, London.
- Martin, W. (1997). Hydrology Water quantity & quality control, John Wiley & Sons, New York.
- 82. Mukherjee, S. and Mukherjee, A. (2002), Seeking links between Solar Activity and Monsoon, GEOGRAPHY AND YOU, Vol.2, No. 7.
- Muralidharan, D., Nair, A. P. and Sathyanarayana, U. (2002), Fluoride in Shaloow aquifers in Rajgarh Tehsil of Churu District, Rajasthan – an Arid Environment, CURRENT SCIENCE, Vol.83, No. 6, 25 September.
- Myers, W. L. (1987), Computerised Spatial data System for Geographic Analysis, The National Association of Geography of India, Vol. 7, No. 1.
- Nag, P. (2000), Health and Disease Atlas of India, GIS development, Vol. IV, Issue 6.
- 86. National Water Policy, Ministry of Water Resources, April 1, 2002.
- Nayak, R. S. and Sahay, B. (1985), Coastal Geomorphology of the Gulf of Khambat. Quaternary Episodes in India, M. S. University Press, Baroda.
- 88. Needs, FAO, Rome.
- Parma, P. B. S. (2002), Irrigation Management for Sustainable Agricultural Production In India, Proceedings of ICHWAM, ed., B.V.RAO et.al., Vol. 2.

- Patel, M. P., Patel, S. G. and Merh, S. S. (1985), Geomorphic Evidences of Quaternary Sea Level Change in Mahi – Tapti, Coastal Segment. Quaternary Episodes in India, M. S. University Press, Baroda.
- Pathak, R. C. (2002), The Planning Process in India: Search for a Paradigm, 8th Professor S. P. Chatterjee Lecture. Delivered on 16th July 2002.
- Raju, K., Das Jagmohan, G. and Reddy Anji, M. (2002), Drainage Morphometry to Evaluate the Geomorphic Stage of Kotgir Watershed.
 A.P. India Proceedings of ICHWAM, ed., B.V.RAO et.al., Vol. 2.
- 93. Ram Mohan Rao, R. and Shrieff, Afzal. (2002), Geographical Information System Theory and Practice, Rawat Publication, Jaipur and New Delhi.
- Ramalignam, M., and Venugopal, K. (2004). "Remote sensing and GIS applications in water resources." ISG New letter, Vol. 10, No. 1, 24-33.
- 95. Ramanathan, Usha. (1996), Displacement and the Law, Economic and Political weekly, June 15, 1996.
- 96. Randhawa, M. S. (000), A History of Agriculture in India Volume 1,2
 & 3, Indian Council of Agriculture Research, New Delhi.
- Randhirsingh, S. (1999). "Flood hazard in Rothak city: A geographical perspective Journal of Institute of Indian. Geographers." Vol. 21, No. 2, 65-83.
- 98. Ranjan, S. V. G. and Rao, H. G. G. (1978), Studies in Soils of India, Vikas Publishing House Pvt. Ltd., New Delhi.
- 99. Rao, B. V. (2003), "Analysis of Morphometric Parameters and Water Level Fluctuations as a Ground Water Prospecting". Annual Convention of AHI and an International Seminar on Watershed development, Visakhapattam.

- 100. Rao, K.V., Bhattacharya, A.K., and Mishra, K. (1996). "Runoff estimation on curve number method-case studies." Journal of Soil and Water Conservation: Vol. 40, 1-7.
- 101. Rao, M. S. (2002), Role of Isotope Hydrology in India's Water Resources Development and Management, Proceedings of ICHWAM, ed., B.V.RAO et.al., Vol. 2.
- 102. Rao, Sambasiva. A. And Vamandevan, V. K. (1981), A Climatic study of water availability in Kerala, ANNALS of NAOG INDIA, Vol. I, NO. 2.
- Reddy, Jeevananda. S. (2002), The Impact of Climate Change on Water Resources Availability, Proceedings of ICHWAM, ed., B.V.RAO et.al., Vol. 2.
- Reforming Water resources policy " A guide to methods, processes and practices" FAO IRRIGATION AND DRAINAGE PAPER 52, ROME 1995.
- 105. Report of study Group on Planning Aspect of Irrigation in Bara Track Area", Chief Engg. Command Area Development, Sardar Sarovar Narmada Nigam Ltd.
- Rizvi, S. M. H. (1986), Regional Disparities in cropland use. A case study of Bara tract of Jambusar Taluka, Journal of M. S. University (Social Science) Vol. XXX, XXXVI No.2
- 107. Rizvi, S. M. H. (1991), Dynamics of Landuse in Bara Tract of Jambusar Taluka District Bharuch, Gujarat, Thesis submitted to The Maharaja Sayajirao University of Baroda, Vadodara.
- 108. Rizvi, S. M. H. and Bhatt, N. A. (1982), Impact of Hybrid Seeds on the Cropping Pattern of Amod Taluka. Geography and Rural Development. Concept Publishing Company, New Delhi.
- 109. Rizvi, S. M. H. and Bhatt, N. A. (1984), Factors in Habitat Transformation. A study of Village over a Decade. M.S.University Press.

- 110. Sahoo, N. and Verma, H. V. (2002), Participatory Irrigation Management Waterloged Areas, Proceedings of ICHWAM, ed., B.V.RAO et.al., Vol.1
- 111. Sarkar, H. K. (1987), Relationship between Geomorphology and soils in the Mand river basin M.P, Geographical Review of India, Vol. 49, No. 1.
- 112. Shafi, M. (1960), Land Utilisation in Eastern Uttar-Pradesh, Aligarh.
- Shafi, M. (1965), Pattern of Crop Landuse in Ganga-Yamuna Doab.
 The Geographer Vol. XII January.
- 114. Shafi, M. (1966), Rural Landuse Planning Techniques in India. The Geographer, Vol. 8, Aligarh.
- 115. Sharma, B. L. (1983), Agriculture Typology of Rajasthan, Pankaj Prakashan, Udaipur.
- 116. Sharma, T. C. and Cortinho, O. (1982), Growth of Irrigation and its impact on crop landuse and crop yield in Karnataka, The National Association of Geography of India, Vol. 2, Jan June.
- 117. Singh V. P., 1992, "Elementary Hydrology, PRENTICE HALL, Englewood Cliffs, NJ 07632.
- 118. Singh, J (1972), New Techniques in Measuring Agricultural Efficiency in Haryana, India. The Geographer, Vol. XIX, No 2. Aligarh.
- 119. Singh, Jasbir. (1984), Water resources in India A geographical perspective, Geographical Review of India, Vol. 46, No. 4.
- 120. Singh, R. N. P. (1984), Report on Landuse Survey and Mapping, Narmada Command Area, Zone 4-B, Sponsored by Narmada Planning Group, Department of Irrigation, Government of Gujarat.
- 121. Singh, R. P. (1967), Concept of Landuse, Patna University Journal, Vol. 23, No. 1, January.
- 122. Singh, S.V., Basu, S., and Krishnamurthy, T.N. (2003). Weather and Climate modeling, New Age International Publishers, New Delhi, India.

- 123. Singh, Tapeshwar. (2000), Drought Disaster Management: An Indian Experience, National Geographer, Vol. XXXV, No. 1+2, Page 83 94.
- 124. Singh, V.P. (1992). Elementary Hydrology, Prentice Hall India, New Delhi.
- 125. Sinha, A.K., Ghare, V.M., Dhar, D., Khare, V.D., and Patil, S.A. (2004). "Remote sensing and geographic information system (GIS) for water Resources management." ISG New letter, Vol. 10, No. 1 & 2, 59-67.
- 126. Sinha, B. K. (1996), Draft National Policy for Rehabilitation: Objectives and Principles, Economic and Political weekly, June 15, 1996.
- 127. Sinha, R. N. P. (1963), Climate Cycle. Agriculture Rhythm and Local Proverbs in the Canal Irrigated Areas of the Patna District, Patna University Journal, Vol. 18, No. II.
- 128. Sinha, R. N. P. (1965), Present Landuse Pattern in the Canal Irrigated Areas of Patna District, Geographical outlook – (Ranchi) Vol. IV.
- 129. Special Areas. (Government of Gujarat, Narmada Planning Group,
- Sreedhar N. V., Suresh Babu, K., Pavani, S. and Reddy, Anji. M. (2002), Integrated Water Resources Development Using RS, GIS and Information Technology A Model on Prakasam District, A.P., Proceedings of ICHWAM, ed., B.V.RAO et.al., Vol. 2.
- Srivastava, Aruna. And Nagpal, B. N. (2000), Mapping Malaria, GIS development, Vol. IV, Issue 6.
- 132. Stamp, L. D. (1950), The Land of Britain: Its Use and Misuse, Longman Green and Company, London.
- 133. Stamp, L. D. (1960), Applied Geography, Penguin Books Ltd. Harmondsworth, Middlesex, England.
- 134. Swany, M. V., Rajani, K. V.N. and Chari, T. S. B. (2002), Morphometric Analysis and Their Significance in Water Resources, Hallia-Kongal River Basin-Ranga Reddy and Nalgonda District, Andhra Pradesh, Proceedings of ICHWAM, ed., B.V.RAO et.al., Vol. 1.

- 135. Taking care with GIS: Status and Prospects, GIS development, Vol. IV, Issue 6.
- Tarafdar, Ayon. And Krishna, Bal. (2002), 'Community GIS' vs 'GIS Community' GIS development, Vol. 6, Issue. 9.
- Taufique, Mohammad, (2003), Regional Variations in food Crop Production – A study of Uttar Pradesh, Geographical Review of India, Vol. 65, No. 1.
- 138. The Gujarat Narmada Plan 1980 2001 Vol. II, Irrigation Strategy for
- 139. THE HINDU A global change called monsoon, (India's National Newspaper) Saturday, June 7, 1997.
- 140. The Reconnaissance Soil Survey Report. Soil Survey Organization,
- 141. Thiruvengadachari, S. (1999), Spatial Data Sets in Hydrology Project, GIS development, Vol. IV, Issue 6
- 142. U. S. Soil Conservation Services, Hydrology: National Engineering Handbook, Section 4, Washington DC, 1972.
- 143. Vadalkar, S. S. (2004), Evaluating Runoff in Pannam Reservoir Incorporating GIS, Morphometry and Hydrological Model, Dissertation submitted to Department of Water Resources Engineering and Management, M.S.University of Baroda, Samiala
- 144. Vadalkar, S.S. (2004). Evaluation Runoff in Panama Reserviour Incorporation GIS, Morphometry and Hydrological Model. (M.E. Dissertation) WREMI, M.S.Universitry, Samiala.
- 145. Vadodara, 1995-96. (Government of Gujarat)
- 146. Vaid, Varsha. And Datye, V. S. (1989), Associated between water deficit and the yields of principal cereal crops in Maharashtra, Geographical Review of India, Vol. 51, NO. 2.
- Varshney, R.S. (2002). Engineering Hydrology. Nemchand Bros., New Delhi, 12th Edition.
- Varshney, R.S. (2002). Engineering Hydrology. Nemchand Bros., New Delhi, 12th Edition.

- 149. Wang, G. T., Singh, V. P., and Yu, F. X. (1992), "A rainfall-runoff model for small watersheds", Journal of Hydrology, Vol. 138, pp.97-117.
- 150. Want, G.T., Singh, V.P., and Yu, F.X. (1992). "A rainfall-runoff model for small watersheds." Journal of Hydrology, Vol. 138, 97-117.
- 151. Wathern, P. (ed). 1988. Environmental Impact Assessment: Theory and Practice. Routledge, London.
- 152. Weaver, J. C. (1954), Crop Combination Regions in the Middle West, Geographical review 44.
- 153. www.Appliedhydrology.org

. .

154. Young, C. B., ASCE, A. M., McEnroe, B. M. and ASCE, M. (2003), Sampling Adjustment Factors for Rainfall Recorded at Fixed Time Intervals, Journal of Hydrology Engineering, September/October 2003.