REFERENCES:

Ackah M. et al (2011), Assessment of groundwater quality for drinking and irrigation: the case study of Teiman-Oyarifa Community, Ga East Municipality, Ghana, Proceedings of the International Academy of Ecology and Environmental Sciences, 1(3-4):186-194.

Agarwal, G. C. (1984). Further Studies on Tertiary and Quaternary Sequence of South Gujarat with reference to their Structural Style and Geomorphic Expressions. Unpublished Ph.D. Thesis, M.S. University of Baroda, Vadodara. 177.

Agrawal M. and Jain S.(2013)Hydro-Chemical Evaluation of Ground Water of Area Around Raisar, Bikaner District, Rajasthan, International Research Journal of Environmental Sciences, 2(5):72-78.

Agrawal, S. Jain, (2013). Hydro-Chemical Evaluation of Ground Water of Area Around Raisar, Bikaner District, Rajasthan, International Research Journal of Environmental Sciences, 5, 72-78.

Aldaya M.M.(2009) Water Footprint Analysis (Hydrologic& Economic) of Guadania River Basin. World Water Assessment Programme side publications, UNESCO, France 12-18.

Allen R.G., et al,(2006) Crop Evapotranspiration- Guidelines for Computing Crop Water Requirements, FAO Irrigation and Drainage Paper No. 56. Food and Agricultural Organization of the United Nations, Rome.

American public Health Association APHA(1995) Standard methods for the examination of water and wastewater, 19th edition., Washington DC, USA.

Asian Development Bank, Technical Report (2012). Ecological Footprint and Investment in Natural Capital in Asia and the Pacific.

B. Ferguson Andrew, (1999). Logical Foundations on Ecological Footprints. Environment, Development and Sustainability 1, 149-156.

Balak R., Kolarkar A.S., (1993) International Journal of Remote Sensing, 14, 3191-3200.

Biswas S.K. (1982). Rift basins in the western margin of India and their hydrocarbon prospects. Bull. Am. Assoc. Pet. Geol. 66, 1497-1513.

Biswas S.K. (1987). Regional tectonic framework, structural and evolution of western marginal basins of India. Tectonophysics, 135, 315-327.

Blosser D. L., Jenny H., (1971). Correlations of Soil pH and Percent Base Saturation as Influenced by Soil-Forming Factors1. Soil Sci. Soc. Am. J. 35, 1017-1018.

Borucke M. et al, (2012). Accounting for demand and supply of the biosphere's regenerative capacity: The National Footprint Accounts' underlying methodology and framework. Ecological Indicators 24. 518-533.

Brouwer C., Goffeau A., Heibloem M.(1985) Introduction to Irrigation, Irrigation Water Management: Training Manual No. 1. Food and Agricultural Organization of the United Nations, Rome.

Campbell, J.B (1996), Introduction to Remote Sensing, Guilford Press, New York, USA. 283.

Chambers C., Simmons, M. Wackernagel, (2000), Sharing nature's interest: ecological footprints as an indicator of sustainability, Earthscan, London.

Chaudhary, B.S., Saroha, G.P. and Yadav (2008) Manoj, Journal of Human Ecology, 23, 243 –252.

Chaurasia, R. and Sharma, P.K. (1999) Journal of Indian Society of Remote Sensing, 27, 115-121.

Chopra R, Dhiman R.D. and Sharma P.K. (2005) Morphometric Analysis of Subwatersheds, District Gurdaspur, Punjab. J. Indian Soc. Remote Sensing, 33(4): 531–539.

Cornelia G., (2013). Ecological Footprint from the Sustainability Perspective. Scientific Papers Series Management, Economic Engineering in Agriculture and Rural Development 13, 197-205.

Dahnke C., Whitney D. A, (1988). Measurement of soil Salinity, 32-34. In Recommended soil chemical test procedures for the North Central Region. NCR Publ. 221. Revised. North Dakota Agric. Exp. Sta. Bull. 499.

Dahnke. W.C. and D.A. Whitney. 1988. Measurement of soil Salinity, p. 32-34. In Recommended soil chemical test procedures for the North Central Region. NCR Publ. 221. 103:115-134.

Das, B. and Patel, N. P. (1984), Nature of Narmada-Son Lineament. J. Geol. Soc. India, V. 25(5), p. 267-276.

Directorate of Census Operations (2001, 2011), The District Census Handbook Series 25, Surat, Part I & II, Government Press, Vadodara.

Ecological Footprint Standards (2009). Global Footprint Network, Oakland, USA http://www.footprintstandards.org

Ewing, A. Reed, A. Galli, J. Kitzes, M. Wackernagel, (2010). Calculation Methodology for the National Footprint Accounts, Oakland: Global Footprint Network.

Fargo, N.D. Maas, E.V., and G. J. Hoffman, (1977). Crop salt tolerance-current assessment. J. Irrig. Drain. Div. Am. Soc. Civ. Eng. 103, 115-134.

Ferguson, Andrew R.B.(1999) Logical Foundations on Ecological Footprints. Environment, Development and Sustainability Vol 1(2).pp 149-156.

Fetter W. C., (1990). Applied Hydrogeology, 2nd Edition, Mereill Publishing USA. 20-27.

Food and Agricultural Organization (2015). AQUASTAT website, accessed on [2015/04/21]

Foody, G.M & T.F. Wood. 1987. The use of the Landsat TM data in a GIS for environmental monitoring. In: 13th Annual Conference of The Remote Sensing Society. University of Nottingham, Sep. 7-11.

Gadekar D. R.,. Nayak S. DSahai, B., (1981). Some Aspects of Geomorphic Evolution of the Lower Narmada and Mahi Rivers from Landsat Imagery. Recent Researches in Geology, 9, 32-41.

Gadekar D.R.(1976). Geology of Tertiary Rocks of South Gujarat with special reference to their stratigraphy and sedimentation, M.S.University of Baroda, Unpublished Ph.D. Thesis, p.225.

Gadekar, D. R., Nayak, S. D. and Sahai, B. (1981), Some Aspects of Geomorphic Evolution of the Lower Narmada and Mahi Rivers from Landsat Imagery. Recent Researches in Geology, V. 9, p. 32-41.

Gupta S.K. (1987). Canal Irrigation induced groundwater table rise and its amelioration, The Geographer, Vol. 34, 34-44.

Hans G., (1980). The Soil Resource-Origin and Behavior, Ecological Studies, 234

Hans G., (1994). Factors of Soil Formation. Asystem of Quantitative Pedology. Dover Pub. Inc, New York. 271.

Hem, J. D., (1959), Study and Interpretation of the chemical characteristics of Natural Water, Geological Survey Water Supply Paper No. 1473, 269

Hesse R., (1994). A Text Book of Soil Chemical Analysis, CBS Publ., and Distributor, New Delhi, 520.

Hoekstra A.Y (2008). Human Appropriation of natural capital: A comparison of Ecological Footprint and Water Footprint, Analysis, Ecological Economics, 68, 1963-1972

Hoekstra A.Y ,M. M. Mekonnen, (2010). Research Report Series No. 50: The Green, Blue and Grey Water Footprint of Crops and Derived Crop Products. UNESCO-IHE Institute for Water Education, Delft, Netherlands.

Hoekstra A.Y, (2002). Virtual water trade: Proceedings of the International Expert Meeting on Virtual Water Trade, Delft, The Netherlands, Value of Water Research Report Series No.12, UNESCO-IHE, Delft.

Hoekstra A.Y, Chapagain A. K., (2008). Globalization of Water: Sharing the Planet's Freshwater Resources. Blackwell Publishing, Oxford, UK.

Hoekstra A.Y, Chapagain A. K., Aldaya M.M., Mekonnen M.M., (2012). Global Monthly Water Scarcity: Blue Water Footprints versus Blue Water Availability. www.plosone.org 7(2) 1-8.

Hoekstra A.Y. & Mekonnen M.M. (2011), Research Report Series No. 53:The Monthly Blue Water Footprint Compared to Blue Water Availability for the World's Major River Basins. UNESCO-IHE Institute for Water Education, Delft, Netherlands.

Hoekstra A.Y. (2008) Human appropriation of natural capital: A comparison of ecological footprint and water footprint analysis, Journal of Ecological Economics. Vol. 68(2009), 1963-1974

http://www.unesco.org/new/en/natural-sciences/environment/water/wwap/. World Water Assessment Programme (2012).

Husain M., (2011). Indian and World Geography. Tata Mc.Graw Hill Publ., 1033-1039. Islam M. S., S. Z. K. M. Shamsad, (2009). Assessment of irrigation water quality of Bogra district in Bangladesh, Bangladesh Journal of Agriculture and Research, 34, 597-608.

Jackson M.L.(1962). Soil Chemical Analysis, Prentice Hall of India Pvt. Ltd., New Delhi Jaiswal R.K., Saxena R., Mukherjee S., 1999. Application of remote sensing technology for land use/land cover change analysis. J. Indian Soc. Remote Sens. 27 (2), 123–128.

Jensen J.R (1996) Introductory digital image processing. A remote sensing perspective, 2nd edition. Prentice Hall, Inc, Upper Sadle River – USA

Jian T., (2005). Ecological Footprint and Ecological Security Evaluation in the Upper Min River Basin. Wuhan University Journal of Natural Sciences. 10, 641-646.

Kaila K. L., V. G. Krishna, (1992). Deep Seismic Sounding Studies in India and Major Discoveries. Current Science, 62, 117-154.

Kalayanasundaram, N. K., and Patel, R. G. (1995), Soils of Gujarat: Their Genetic and Edaphic Characteristics, Proc. of National Seminar on Recent Res. In Geology of Western India, Dept. of Geology, M. S. Univ. Of Baroda, pp. 189-203.

Kelly W.P., (1951), Alkali soils-Their formation properties and reclamation. 3rd edition. Reinhold Publication, New York, USA,:92.

Khan T.A. and Abbasi A.M.(2013) Synthesis of parameters used to check the suitability of water for irrigation purposes, International Journal Of Environmental Sciences 3(6):2031-2038

Kissel E., L. Sonon, (2008). Soil Test Handbook for `Georgia. http://aesl.ces.uga.edu/publications/ soil/STHandbook.

Kolay A.K.(2007). Soil Genesis, Classification, Survey and Evaluation- Vol 2. Atlantic Publishers & Distributors, New-Delhi, Soils of Gujarat. 429-437

Lazarus G., et al. (2014). Working Guidebook to the National Footprint Accounts: 2014 Edition. Oakland: Global Footprint Network.

Lazarus, E., G. Zokai, M. Borucke, D. Panda, K. Iha, J. C. Morales, M. Wackernagel, A. Galli, N. Gupta. 2014. Working Guidebook to the National Footprint Accounts: 2014 Edition. Oakland: Global Footprint Network.

Mahoney J., (1984). Isotopic and Chemical Studies of the Deccan and Rajmahal Traps, India, Mantle Sources and Petrogenesis, Ph.D. Thesis, University of California, San Diego.

Merritts D., Menking KDeWet., A. (1998). Environmental Geology-An Earth System Science Approach, W.H.Freeman and Co., New York 228.

Michael, A.M. (1983). Irrigation theory and practices, Vikas Publishing House, New Delhi. 425

Miller R. W, Donahue R. L., (1992). Soils: An introduction to soils and plant growth, Prentice Hall of India Pvt. Ltd., New Delhi.

Monfreda, M. Wackernagel, D. Deumling, (2004). Establishing national natural capital accounts based on detailed ecological footprint and biological capacity assessments. Land Use Policy, 21, 231-246.

Morgan, W. J. (1981), Hotspot Tracks And The Opening Of The Atlantic And Indian Oceans. In: The Sea 7 (Ed. Emiliani, C.) Wiley, New York, 443 – 487.

Muher R,G, et al., (1963) Soil Testing in India. USAID, New Delhi

N. F. Sayre, (2007). The Genesis, History, and Limits of Carrying Capacity, Annals of the Association of American Geographers, 98(1) .120–134.

N. R. S. A. (1995). Integrated Mission for Sustainable Development, Technical Guidelines, National Remote Sensing Agency, Department of Space, Government of India, Hyderabad.

Nag S.K. and Das S.(2014) Groundwater quality for irrigation and domestic purposes – A GIS based case study of Suri I and II blocks, Birbhum district, West Bengal, International Journal of Advancement in Earth and Environmental Sciences,2(1): 25-38

Nathan S. (2008). 'The Genesis, History, and Limits of Carrying Capacity', Annals of the Association of American Geographers, 98, 120-134.

Navalgund, R.R., Jayaraman, V.and Roy, P.S., (2007) Curr. Sci, 93, 1747–1766. Olabode F.O. et al (2013) Hydro chemical Evaluation of Groundwater in Akure Area, South western Nigeria, for Irrigation Purpose, Eurpoean International Journal of Science and Technology, 2(8)

Olsen, S.R. Cole, Watanable, F.S. and Dean, L.A. (1954) Estimation of available phosphorus in soils by extraction with sodium bicarbonate. Circ. U.S. Dep.Agric. 939

Pandey J., Chaube M. S, (1982). Middle Eocene Paleoecology and Sediment Distribution Pattern in South Cambay Basin, Unpublished Report, ONGC.

Patra K.C.(2001) Hydrology and Water resources Engineering. Narosa Publishing House. New Delhi, India. 111-123

Pettijohn F.J.(1984). Sedimentary Rocks, harper and Row Publishers, Inc. USA. 628 Rai M. M., (1995). Principles of Soil Science, Mac Millan India Ltd., Delhi, 305.

Ramesh K., Jagadeeswari B., (2012). Hydro chemical Characteristics of Groundwater for Domestic and Irrigation Purposes in Periyakulam Taluka of Theni District, Tamil Nadu, International Research Journal of Environmental Sciences, 1, 19-27.

Report on Norms for Groundwater Evaluation and Development, ARDC III (1982) Agriculture Refinance & Development Corp. (ARDC), Govt of India.

Richards, L. A. (1954). Diagnosis and Improvement of Saline and Alkali Soils, U. S. Department of Agriculture Handbook, Vol. 60, Washington D. C., USA.:160

Rowell, D. L., (1984), Soil Science: Methods and Applications, Longman Scientific & Technical Publishers (Pte) Ltd., England, 350

S. Salinity Laboratory Staff, (1978), Soil survey manual, Handbook No., U. S. Department of Agriculture, Washington D.C.

Sayre N.F.(2007)The Genesis, History, and Limits of Carrying Capacity, Annals of the Association of American Geographers, 98(1) 2008, pp. 120–134

Schumn S.A.(1956). Evolution of drainage systems and slopes in badland, at Perth Amboy, New Jersey. Geol. Soc. Am. Bull. 67, 597–646.

Shilp V., Kampman D., Zaag P., Hoekstra A.Y. (2009). Going against the flow: A critical analysis of inter-state virtual water trade in the context of India's National River Linking Program. Physics and Chemistry of the Earth. Issue 34. 261-269

Sivaramakrishnan J. et al (2013). Mitigating the water supply through sustainable approach – Case study from Bangalore. International conference on "Integrated water, wastewater & Isotope Hydrology, Bangalore, India, 1, 107-112.

Smith J. L., Doran J. W., (1996). Measurement and use of pH and electrical conductivity for soil quality analysis. Soil Science Society of America Spec. Publ. 49. SSSA, Madison, WI. 169-185.

Soil Test Handbook for `Georgia. Kissel, D.E. and L. Sonon (Eds). 2008. http://aesl.ces.uga.edu/publications/soil/STHandbook.pdf

Solanke C., et al.,(2005). Application of Remote Sensing and GIS in watershed characterization and management. J. Indian Soc. Remote Sensing 33, 239–244.

Solanke P.C., Srivastava R., Prasad J., Nagaraju M.S.S., Saxena R.K. and Barthwal R.K. (2005) Application of Remote Sensing and GIS in watershed characterization and management. J. Indian Soc. Remote Sensing 33(2):239–244

State, District & Taluka wise Salient Features of Population Statistics (2001& 2011) Gujarat.(2013) Directorate Of Economics And Statistics .Government Of Gujarat. G'nagar.

Strahler A.N. (1964) Quantitative geomorphology of drainage basins and channel networks, In: VT Chow (ed), Handbook of Applied Hydrology. McGraw Hill Book Company, New York, Section 4–11

Sudhakar R., Roy T. K., (1959), Progress Report on the Geology of the Tertiary Formations of Broach and Surat Districts, Unpublished Report, ONGC, 1958-59.

Thornbury, W.D. (1990). Principle of Geomorphology, Wiley Eastern Limited, New Delhi.

Thornthwaite C. W., (1944). Report on the Committee on Transpiration and Evaporation.' Transactions. American Geophysical Union, 25, 687.

Timothy B., Claudia R., Zhu T., Siwa M., Elizabeth B., Rosegrant M.W.(2010) Green and blue water accounting in the Ganges and Nile basins: Implications for Food and Agricultural Policy, Journal of Hydrology, Issue 384. 276–291.

Tiwari K. C., A. V. Joshi, (2001). Studies on South Gujarat Plains: Quaternary sedimentation history and neotectonism, M. S. University of Baroda, 7-23(unpublished).

Tiwari K.C., Joshi A.V., Biswas S.K.(2016) Study of paleo-lobate Features from South Gujarat Alluvial Plains, Western india and their Significance. International Journal of Research 3(11), 1566-1574

Todd D. K., (2011). Groundwater Hydrology, Wiley International Edition, John Wiley and Sons. Inc., New York, 1980. 340

Tu Jian-jun(2005). Ecological Footprint and Ecological Security Evaluation in the Upper Min River Basin. Wuhan University Journal of Natural Sciences. Vol 10(4) pp. 641-646.

U.S. Salinity Laboratory Staff, (1978), Soil survey manual, Handbook No.4, U.S. Department of Agriculture, Washington D.C.

United Nations (2016). World Population Proospects- Population Division, United Nations. https://esa.un.org

United States department of Agriculture (1954). Handbook No.60. US Government Printing Office, Washington D.C

Wackernagel M., Monfreda C. et al (2004). Calculating national and global ecological footprint time series: resolving conceptual challenges. Land use Policy Vol 21.pp 271-278.

Wackernagel M., Onisto L., et al (1998) National natural capital accounting with the ecological footprint Concept. Ecological Economics Vol. 29 pp 375-390.

Wackernagel M., Yount D. (1998). The Ecological Footprint: An Indicator of Progress towards Regional Sustainability. Environmental monitoring and Assessment Vol. 51 pp 311-329.

Walkley J., Black I.A, (1934). Estimation of soil organic carbon by the chromic acid titration method. Soil Sci. 37, 29-38.

Walkley, A.J. and Black, I.A. (1934) Estimation of soil organic carbon by the chromic acid titration method. Soil Sci. 37: 29-38 p.

Walton W. C., (1970). Groundwater Resource Evaluation, Mc-Graw Hill Publications, New Delhi, 32-34.

Walton W.C. (1970), Groundwater Resource Evaluation, Mc-Graw Hill Publications, New Delhi, 32-34pp

Webber M. D. et al., (1982). Soluble Al, Exchangeable Al, Base Saturation and pH in relation to Barley Yield On Canadian Acid Soils, Canadian Journal of Soil Science, 62, 397-405.

Webber M.D. et al (1982). Soluble Al, Exchangeable Al, Base Saturation And pH in relation to Barley Yield On Canadian Acid Soils, Canadian Journal of Soil Science, 1982, 62(2): 397-405 p.

West, W. D. (1959), The Source of Deccan Trap Flows, J. Geol. Soc. India, V.1, p. 44-52.

Wilcox L.V., (1955). Classification and Use of Irrigation Waters. US Department of Agriculture. Cire. 969, Washington D.C., USA, 19.

World Water Assessment Programme (2012). http://www.unesco.org/new/en/natural-sciences/environment/water/wwap/.

Zeng, J. Liu, Koeneman P. H, Zarate E., Hoekstra A.Y (2012). Assessing Water Footprint at River Basin Level: a Case Study for the Heihe River Basin in Northwest China. Hydrology and Earth System Sciences Discussions, Vo. 9, 5779–5808
