BIBLIOGRAPHY

- 1. Ahmad, E., (1972), "Coastal Geomorphology of India". Orient Longman Limited, Asaf Ali Road, New Delhi.
- Alistair, F. Pitty, (1973), "Introduction to geomorphology". Methuen & Co. Ltd.
- Ande Deva Babu, (2005), "Working plan for Kachchh Forest Divisions", Part I & II, Government printing and stationary, Rajkot.
- Bennet, H.H., (1995) "Elements of Soil Conservation". Mc Grawhill Book Company, Inc.(2nd Edition).
- Bharucha, F. R. and V.M. Meher-Homji (1965), "The floral elements of the semi arid zones of India and their ecological significance". The Phytologist, Vol.-64, Pp-330-342.
- Birkeland, P.W., (1984), "Soils and Geomorphology". Oxford University Press, New York.
- 7. Birot, P.(1968), "The cycle of erosion in different climates". Batsford.
- Biswas, S.K. & Khattri, K.N., (2002), "A Geological study of earthquakes in Kutch, Gujarat, India". Journal Geological Society of India, vol-60, Pp-131-142.
- Biswas, S.K. and Deshpande, S.V., (1970)., "Geological and Tectonic Maps of Kutch". Bulletin ONGC, Vol-7 (2), Pp-115-123
- 10.Biswas, S.K., (1974), "Landscape of Kutch-A morphotectonic analysis", Indian Journal of Earth Science, 1971, Vol-1, Pp-177-190.
- 11.Blake, G.R., and K.H. Hartge, (1986), "Bulk Density" in A. Klute's, ed., "Methods of Soil Analysis", Part I. Agronomy Monograph no. 9 (2nd ed.).
- 12.Boyle, M., W.T. Frankenberger, Jr., and L.H. Stolzy, (1989), "The influence of organic matter on soil aggregation and water infiltration". Journal of Production Agriculture. Vol. 2. Pp- 209-299.
- 13.Bradshaw, M.J., et, al, (1978), "The Earth's changing Surface". (ELBS), Hodder and Stoughton.

- 14.Brasher, B.R., D.P. Franzmeier, V. Valassis, and S.E. Davidson, (1966),"Use of saran resin to coat natural soil clods for bulk density and moisture retention measurements". Soil Science V-10, Pp- 101-108.
- 15.Buckman, H.O. and Brady, N.C. (1967), "The nature and properties of soils" (6th edition), Eurasia Publication House Pvt. Ltd.
- 16.Burnes, A., (1839) "Travels of Bokhara" 3 Volumes. John Murray, London, V-1.
- 17.Census of India, (1981) District Census Handbook of Kutch District, Director of census Operation, Government Press, Ahmedabad.
- 18. Census of India, (1991) District Census Handbook of Kutch District, Director of census Operation, Government Litho Press, Ahmedabad.
- 19.Champion, H.G. and Seth, S.K., (1968) "A revised survey of the forest types of India". Government of India, New Delhi.
- 20.Coak, R.V. and Dooncamp, J.C. (1974), "Geomorphology in environmental management- An introduction". Clarendon Press, Oxford.
- 21.Coates D.R. (ed.) (1973), "Environmental Geomorphology and Landscape conservation". (Benchmark papers in Geology) Dawden, Hutchinsom & Ross, Strondsburg (Pennsylvania).
- 22.Colin E. Thorn, ed. (1983), "Space & Time in Geomorphology". Proceeding of the Binghamton Symposia in Geomorphology, International Series no. 12, Allen & Unwin Publisher.
- 23.Colin W. Mitchal, (1991) "Terrain Evaluation" (2nd Edition). Longmans, London.
- 24.Connell, J.H. and R. O. Seatyer (1977), "Mechanism of success in natural communities and their role in community stability and organization". American Naturalist-111, Pp-1119-1144
- 25.Cuchlaine A. M. King (1966), "Techniques in Geomorphology". Robert Cunningham and Sons Ltd.
- 26.Dargie, T.C.D. & M. A. El. Demerdash (1991), "A Quantitative study of vegetation environmental relationship in two Egyptian desert". Journal of Vegetation science-2, Pp-2-10
- 27.Davis, W.M., (1967) "Nomenclature of surface form on faulted structures". Geological society of America, Bulletin-24, Pp-187-216.

- 28.Egler, F.E., (1945), "Vegetation Science Concepts, Initial Floristic Composition a Factor in Old Field Vegetation Development". Vegetation-4, Pp-412-417
- 29.Embleton, C. and J. Thornes, (1980), "Process in Geomorphology". (edited), Arnold-Heinemann.
- 30.Feeneman, N.M. (1936), "Cyclic and non cyclic aspects of erosion". Bulletin Geological Society of America. Vol-47, pp-173-186.
- 31.Frere, H.B.E., (1870) "Notes on the Runn of Cutch and neighbouring region". Journal of Royal Geographical society, V-40
- 32.Glennie, K.W., (1970), "Desert Sedimentary Environments". Developments in Sedimentology, vol-14, Elsevier Publishing Co., Amsterdam.
- 33.Gllewska, S., (1964), "Changes in the geographic environment brought about by industrialization and urbanization". Applied Geography, Vol.2,
- 34.Gujarat Ecology Commission & Gujarat Institute of Desert Ecology, April 2000, Ranns & Desertification (SEAP, Gujarat), Phase-I report, Bhuj, Kachchh, Gujarat, India.
- 35.Gujarat Ecology Commission, March 2000, State Environmental Action Programme (SEAP), Coastal & Marine Environment, Phase-I Report, Vadodara, Gujarat, India.
- 36.Gupta, R. K. and Saxena, S.K. (1971), "Ecological studies on the protected and overgrazed lands in the arid zone of west Rajasthan". Indian Botany Society, Vol.-30, Pp-382-388.
- 37.Hjulstrom, F.(1935), "Studies in the morphological activity of the rivers". Bulletin Geological Institute Upsala.
- 38.Hogentogler, C.A., (1937), "Engineering properties of soil". Mc. Graw Hill book company.
- 39.Holland,T.H. (1912), "The origin of desert salt deposits". Proceeding of LiverpoolGeological Society, vol. 11, Pp.(227-250).
- 40.Horst Mensching & Fouad Ibrahim, (1977), "The problem of Desertification in and Around Arid Lands". Applied Science & Development Vol-10.
- 41.Horton, R.E., (1993), "The role of infilteration in the hyroulic cycle". American Geophysics union v-14, Pp-446-460.
- 42.Huston, M. and T. Smith, (1987), "Plant sucession life history and competition". American Naturalist, V-30, Pp-168-198.

- 43.IBSRAM (International Board for Soil Research and Management). 1985. Report of the Inaugural Workshop on Management of Vertisols for Improved Agricultural Production. ICRISAT (International Crops Research Institute for the Semi-Arid Tropics), Patancheru, India, 18-22 February 1985. IBSRAM, Bangkok.
- 44.Joshi, N.J., (1959), "Afforestation Work Under The Cutch Desert Immobilization Scheme, Banaskantha Division, Gujarat State". Dry Zone Afforestation Symposium; FRI, Dehradun.
- 45.Kanwar J. S. and Virmani S. M., (1987), "Management of Vertisols for improved crop production in the semi-arid tropics: a plan for a technology transfer network in Africa". Proceedings of the First Regional Seminar on the Management of Vertisols under Semi-Arid Conditions (MOVUSAC), Nairobi, Kenya, 1-6 December 1986.
- 46.Karl-Friedrich Schreiber (1977), "Landscape Planning and Protection of the Environment", Journal Applied Sciences and Development, Vol-9, page 127-139.
- 47.Katyal, J. C., Hong, C. W. and Vlek, P. L. G., (1987), "Fertilizer management in Vertisols". Proceedings of the First Regional Seminar on the Management of Vertisols under Semi-Arid Conditions (MOVUSAC), Nairobi, Kenya, 1-6 December 1986.
- 48.La Morche, V. C. & K. K. Hirchboeck, (1984), "Frost rings in trees as record of Major volcanic eruption". Nature, vol-307, Pp-321-326.
- 49.Le Houerou, H.N. (1981) "Long term dynamics in arid-land vegetation and ecosystem of N. Africa". International Biological Programme, vol-17, pp-357-384 (Edited by D.W. Goodall and R.A. Perry) Cambridge University press.
- 50.Le Mare P H., (1987), "Chemical fertility characteristics of Vertisols". Proceedings of the First Regional Seminar on the Management of Vertisols under Semi-Arid Conditions (MOVUSAC), Nairobi, Kenya, 1-6 December 1986.

- 51.Le. Houerou, H.N., (1981), "Long term dynamics in arid land vegetation and ecosystem of North Africa". International Biological Programme, vol-2, Pp-357-384.
- 52.Leopold, L.B., M. G. Woolman and J. P.Miller (1964), "Fluvial processes in geomorphology'. W.H. Freeman, Sanfransisco.
- 53.Lyell, C., (1855), "Principles of Geology", (9th edition). London, vol-1
- 54.Lyell, C., (1855), "A manual of elementary geology". John Murray, London.
- 55.Mac Murdo, J., (1824), "Earthquake which occurred in India in 1819". Philosophical Magazine, V.63, pp-105-177.
- 56.Mac Murdo, J., (1824), "papers relating to the earthquake which occurred in India in 1819". Royal Asiatic Society of London and Dublin (1823), Bombay branch, V-3, Pp.90-116.
- 57.Malik, J.N., Merh, S.S. and Sridhar, V. (1999), "Paleo-delta complex of Vedic Sarasvati and other ancient rivers of north-western India". Members Geological society of India, no.42, pp.163-174.
- 58.Maurya, D.M., Thakkar, M.G. & Chamyal, L.S., (2003), "Implications of transverse fault system on tectonic evolution of seismicity of mainland Kachchh, Western India". Current Science, vol-85, Pp-661-667.
- 59.Meher-Homji, V.M. (1972), "An approach to the problem of defining aridity in the India-Pakistan subcontinent". Geographical Review of India, Vol.- 34, p-2.
- 60.Merh, S.S. (1995), "Geology of Gujarat". Geological Society of India, Bangalore.
- 61.Merh, S.S. (2001), "The Great Rann Of Kuchchh: perception of a field geologist", updated version of the lecture delivered on 21st Nov,2001 at national Geophysical Research Institute, Hyderabad, on the occasion of the presentation of D. N. Wadia Medal (2001) awarded by INSA to the author.
- 62.Millar, C.E. and Turk, L.M., (1949), "Fundamentals of Soil Science". John Wiley and Sons, Chapman & Hall.
- 63.Neil Mc. Kenzie, Kep Conghlan and Hamish Cresswell, (2008), "Soil physical measurement & interpretation for land evaluation". SBS Publishers & Distribution Pvt. Ltd., New Delhi.

- 64.Nelson, J.G. and A.B. Byrne, (1966), "Man as an instrument of landscape change, fire, floods and national parks in the Bow Valley, Siberta". Geographical Review, Vol. 56.
- 65.Oldham, R.D., (1893), "A mannual of geology of India Stratigraphical and Structural", (2nd edition), Calcutta.
- 66.Oldham, R.D. (1926), "The Kutch earthquake of 16th June 1819 with a revision of the great earthquake of 12th June 1897". Memoirs Geological Survey of India, V-46, p-81.
- 67.Pascoe, E.H. (1964), "A Manual of Geology of India and Burma". Delhi.
- 68.Peltier, L.C. (1950), "The geomorphic cycle in periglacial regions as it is related to climatic geomorphology". Annals Association of American Geographers. Vol-40, Pp-219-236.
- 69.Pimentel, D., et al. (1995), "Environmental and economic costs of soil erosion and conservation benefits". Science. Vol. 267, No. 24. p. 1117-1122.
- 70.Platt, L.B., (1962), "The Runn of Cutch". Journal of sedimentary and Petrology, V-32.
- 71.Puri, A.N., (1949), "Soils, Their Physics and Chemistry". Reinhold Publishing Corporation.
- 72.Rampino, M.R., (1984), "The atmospheric effects of El Chichon". Sci. America, vol-250 (1), Pp-34-43.
- 73.Rao, K.S.S. (1981), Ph.D. Thesis (unpublished), "Studies on the flora of south eastern Kutch". The Maharaja Sayajirao University of Baroda.
- 74.Rhodes W. Fairbridge (1968) edt. "The Encyclopedia of Geomorphology, Earth Science Series", Vol-III. Dowden Hutchingon & Ross Inc. Strondsbury, Pennsylvania.
- 75.Richard Huggett, Sarah Lindley, Helen Gavin & Kate Richardson, (2004), "Physical Geography, A human perspective". Oxford University Press Inc., New York.
- 76.Roberts, B.R., (1991), "The role of land use planning in semi-arid areas". The Vegetation-91, Pp-15-21.
- 77.Roy (1973), Ph.D. Thesis (unpublished), "Pattern and Cause of Inundation of the Rann of Kutch". The Maharaja Sayajirao University of Baroda.

- 78.Sachs, Paul D., (1999), "Edaphos: Dynamics of a Natural Soil System" (2nd edition). The Edaphic Press. Newbury.
- 79.Satyanaryana, K.V.S. (1951), "Studies on the soil of Rann of Cutch, description of some profile and the distribution of salts and gypsum in the profiles". Indian society of Soil science, Bull. No. -6, Pp. 125-153.
- 80.Saxena, S.K. (1977), "Vegetation its succession in the Indian Desert". The Desertification and its control, Indian Council of Agricultural Research, New Delhi. The united nation Conference on Desertification.
- 81.Selvam V. (2003), "Environmental classification of mangrove wetlands of India". CURRENT SCIENCE, VOL. 84.
- 82.Shah, N.V., (1993), Ph.D. Thesis (unpublished), "Ecology of Wild Ass in Little Rann of Kutch". The Maharaja Sayajirao University of Baroda.
- 83. Singh, H. S., in Mangroves of Gujarat, Gujarat Ecological Education
- 84.Singh, Savindra & Tiwari, R.C.(1989) ed. "Geomorphology & Environment", Allahabad Geographical Society.
- 85.Singh, Savindra, (2003), "Geomorphology". Prayag Pustak Bhawan, Allahabad.
- 86.Singh, Y. D., (1996), 'Processes of desertification in Kachchh and Banaskantha district of Gujarat, India". Gujarat Institute of Ecology, Bhuj, India.
- 87.Sinha, B.C., (1993) Ph.D. Thesis (unpublished), "Impact of Landuse of the Ecogradation of the Wild ass habitat in Little Rann of Kutch, Gujarat". Hemvati Nanda Bahuna University, Srinagar.
- 88.Sivewright (1907), "Cutch and the Rann". Geographical Journal, V-29, Pp-518-539.
- 89.Srivastava , P. K., (1971), "Recent Sediments of the Ranns of Kutch". Journal, Geological Society of India, vol-12 (4), Pp- 392-395.
- 90.Stoddart, D.R., (1969), "Climatic Geomorphology: Review & Reassessment". Progressive Geographer-1, Pp- 161-222.
- 91.Strahler, A.N., (1952), "Dynamic basis of geomorphology". Bulletin Geological Society America-63, pp-923-928.
- 92.Thornes, J. (1977), "Introduction in processes in geomorphology". Edited by C.Embeleton and J.B. Thornes, Arnold Heinemann.

- 93.Tilman, D., (1985), "The resource-ratio hypothesis of plant succession", American Naturalist-125, Pp-827-852
- 94.Tilman, D., (1988), "Plant strategies and the dynamics and structure of plant community", Animal Behavioural Monograph-5, Pp-85-196
- 95.Tisdall, A.L., (1951), "Comparison of methods of determining apparent density of soils". Australian Journal of Agricultural Research, v. 2, pp. 349-354.
- 96.Troeh, F.R., Hobbs, J.A and Donahue, R.L., (1991), "Soil and Water Conservation". Soil Quality Resource Concerns, Prentice Hall, Englewood Cliffs, NJ.
- 97.Wadhwan, S. K., (1999), "Spatial Distribution patterns of Recent Beach and Dune Sands of Gujarat Coast, India". Indian Journal of Geomorphology, vol.4.
- 98.Wadia, D. N. (1975), "Geology of India" (revised edition). Tata Mc Graw Hill.
- 100.P.Willcocks, T. J. (1987), "Avenues for the improvement of cultural practices on Vertisols". Proceedings of the First Regional Seminar on the Management of Vertisols under Semi-Arid Conditions (MOVUSAC), Nairobi, Kenya, 1-6 December 1986. IBSRAM (International Board for Soil Research and Management), Bangkok.
- 101.Willey, R. W. (1987), "Cropping system evaluation". Proceedings of the First Regional Seminar on the Management of Vertisols under Semi-Arid Conditions (MOVUSAC), Nairobi, Kenya, 1-6 December 1986.
- 102.William D. Thornbury (1969), "Principles of Geomorphology" (2nd Edition). John Wiley and Sons Inc. p-16
- 103. Wynee, A.B., (1872), "Geological Survey of India". Vol-IX, 1872.
- 104.Wynee, A.B., (1872), "The Geology of Kutch". Mem. Geological Survey of India, vol-10 (2), Pp-163-213
- 105.Wynne, A.B., (1872) "Memoir on the Geology of Kutch". Memoirs Geological Survey of India. V-19.