

REFERENCES

- Agarwal, G.C. (1986). Structure and tectonics of exposed Tertiary rocks between Narmada and Kim rivers in South Gujarat. Jour. Geol. Soc. India. V.27, pp. 531-542.
- Ahmad, F. (1986). Geological evidence bearing on the origin of the Rajasthan Desert (India). Proc. India, Natn. Sci. Acad., V.52, pp. 1285-1306.
- Allchin, B., Goudie, A.S. and Hegde, K.T.M. (1978). The prehistory and Palaeogeography of the Great Indian Desert. Academic Press, London, p. 370.
- Auden, J.B. (1952). Some geological and chemical aspects of the Rajasthan salt problem. Bull. Natn. Inst. Sci. India, V.1, pp. 53-67.
- Bakliwal, P.C. and Sharma, S.B. (1980). On the migration of river Yamuna. Jour. Geol. Soc. India. V.21, pp. 461-463.
- Bakliwal, P.C. and Ramaswamy, S.M. (1987). Lineament fabric of Rajasthan and Gujarat, India Rec. Geol. Surv. India. V.113, pp. 54-64.

Bakliwal, P.C. and Grover, A.K. (1988). Signature and migration of Saraswati river in Thar desert, western India. Rec. Geol. Surv. India. V.116, pp. 77-86.

Ballance, P. (1984). Sheet flow dominated gravel fans of the non-marine Middle Cenozoic Simmler formation, Central California. Sedimentary Geology, V. 38. pp. 337-359.

Baskaran, M., Marathe, A.R., Rajaguru, S.N. and Somayajulu, B.L.K. (1986). Geochronology of Palaeolithic culture in the Hiran valley, Saurashtra, India. Jour. Archaeological Science, V.13, pp. 505-514.

Bedi, N. and Vaidyanadhan, R. (1982). Effect of neotectonics on the morphology of the Narmada river in Gujarat, Western India. Z. Geomorph. N.F., V.26, pp. 87-102.

Biswas, S.K. (1982). Rift Basins in western margin of India and their hydrocarbon prospects with special reference to Kutch Basin. Am. Assoc. of Petrol. Geol., V.10, pp.1497-1513.

Biswas, S.K. (1987). Regional tectonic framework, structure and evolution of the western Marginal Basin of India. Tectonophysics. V.135, pp. 307-327.

Biswas, S.K. and Deshpande, S.V. (1983). Geology and Hydrocarbon prospects of Kutch, Saurashtra and Narmada basins. In : L.L. Bhandari, B.S. Venkatachala, R. Kumar, S.N. Swamy, P. Garga and D.C. Srivastava (Eds.) Petroliferous basins of India. Petrol. Asia. Jour., V.6, pp.111-126.

Bronger, A., Backer, S. and Bruhn, N. (1991). Aspects of soil formation in Quaternary deposits in the Lower Mahi river area of Gujarat. Proc. Quat. Landscape of Indian Subcontinent, Geology Deptt., M.S. University, Baroda, pp. 1-6.

Bryson, R.A. and Swain, A.M. (1981). Holocene variation of monsoon rainfall in Rajasthan. Quaternary Research, V.16, pp. 135-145.

Bull, W.B. (1963). Alluvial fan deposits in Western Fresno country, California. Jour. of Geology, V.71, pp. 243-251.

Bull, W.B. (1977). The alluvial fan environment . Prog. Phys. Geogr. V.1, pp. 222-270.

Chamyal, L.S. (1995). The Quaternary Continental deposits of the semi-arid Central Gujarat Alluvial plains. Jour. Geol. Soc. India (In press).

Chamyal, L.S. & Merh, S.S. (1992). Sequence stratigraphy of the surface Quaternary deposits in the semi-arid basins of Gujarat. Man and Environment., V.17, pp.33-40.

Chamyal, L.S., Sharma, B., Merh, S.S. and Karami, H. (1994). Significance of bank material at Tilakwada in the lower Narmada valley. Curr. Sci. V.66, No. 4. pp. 306-307.

Chandra, P.K. and Chowdhary, L.R. (1969). Stratigraphy of the Cambay basin. Bull. O.N.G.C., V.6, pp. 37-50.

Chappell, J. and Shackleton, N.J. (1986). Oxygen isotopes and sea level. Nature. V.324, pp. 137-140.

Dhir, R.P. (1977). Palaeoclimatic inference from Quaternary pedogenic processes in arid zone. In : "Ecology and Archaeology of western India".(Eds. : "Ecology and Archaeology of western India".(Eds. Agarwal, D.P. and Pandey, B.M.) Concept Publ. Co., Delhi. pp. 127-134.

Dhir, R.P. and Jain,S.V. (1982). Morphology, genesis and classification of arid zone soils. In : Review of soil research in India. India Soc. Soil. Sci. (ii), pp. 474-483.

Dhir, R.P., Kar, A., Wadhawan, S.K., Rajaguru, S.N., Misra, V.N., Singhvi, A.K. and Sharma, S.B. (1992). Thar desert in Rajasthan, Land, Man and Environment. (Eds. Singhvi, A.K. and Kar, A.) Geol. Soc. India. p. 191.

Dhir, R.P., Rajaguru, S.N. and Singhvi, A.K. (1994). Desert Quaternary formation and their morphostratigraphy: Implication for the evolutionary history of the Thar. Jour. Geol. Soc. India., V.43, pp. 435-447.

Emiliani, C. (1955). Pleistocene temperatures. Jour. of Geology, V.63, pp. 538-578.

Ericsson, D.B., Ewing, M., Wollin, G. and Heezon, B.C. (1961). Atlantic Deep-sea sediment cores. Bull. Geol. Soc. Amer. V.72, pp. 193-286.

Fairbridge, R.W. (1960). The changing level of the sea. Scientific. Amer. V.202, pp. 70-79.

Fairbridge, R.W. (1961). Eustatic changes in sea level. Physics and chemistry of the earth, Pergamon Press. V. 4, pp. 99-186.

Foote, R.B. (1898). Geology of Baroda state, Govt. Press, Baroda state, p.194.

Friedman, G.M. (1967). Dynamic processes and statistical parameters compared for size frequency distribution of beach and river sands. Jour. Sedimentary Petrology. V.73, pp. 327-354.

Gardner, R.A.M. (1981). Reddening of dune sands evidence from southeast India. Earth Surf. Process. Landf. V.6, pp. 459-468.

Gardner, R.A.M. and Pye, K. (1981) Nature, origin and significance of red coastal and desert dune sands. *Prog. Phys. Geog.* V.5, pp. 514-534.

Ghose, B. (1965). The genesis of desert plains in the central Luni basin. *Jour. Indian Soc. Soil. Sci.*, V.13, pp. 123-126.

Ghose, B. (1971). Geomorphological aspects of the formation of salt basins in western Rajasthan. *Proc. Symp. Problems of Indian Arid zone*, Jodhpur. pp. 79-83.

Ghose, B, Amal Kar and Hussain Z. (1980). Comparative role of the Aravalli and the Himalayan river systems in the fluvial sedimentation of the Rajasthan desert. *Man and environment*, V.4, pp. 8-12.

Ghosh P. K. (1952). Western Rajputana, its tectonics and minerals including evaporites. *Bull. Natn. Inst. Sci. India*, V.1, pp. 101-130.

Ghosh, R. N. (1982). Quaternary events and environments in little Rann of Kutch, Gujarat, India. 4th Regl. Conf. Geol. Min. Ener. Reso. SE Asia, Manila, Philipines, pp. 111-126.

Goudie, A. S. and Pye, K. (1983). *Chemical Sediments and Geomorphology*. Academic Press, London. 439 p.

Grover, A. K. and Bakliwal P. C. (1984). River migration and the floods - a case study of a section of Yamuna river through remote sensing. *Man and Environment*.

Gupta, S. K. (1977). Holocene silting in the little Rann of Kutch. In. *Ecology and Archaeology of western India* (Eds. Agarwal D. P. and Pandey, B. M.) Concept. Publ. Co., Delhi, pp. 201-205.

Heron, A. M. (1917). Geology of North- eastern Rajputana and adjacent districts. *Mem. Geol. Surv. Ind.*, V. 45, pt. 1.

Heron, A. M. (1936). Geology of South-eastern Mewar, Rajputana. *Mem. Geol. Surv. Ind.*, V.68, pt. I.

Heron, A. M. (1938). The physiography of Rajputana. *Proc. Ind. Sci. Congr.* pt. 2, p.119.

Hooke, R. L. (1967). Processes of arid region alluvial fans. *Jour. of Geology*, V.75, pp.438-460.

Jackson, M. L. (1958). *Soil chemical analysis*. Prentice Hall, New Jersey.

Kar Amal. (1984a). Assumptions regarding former stream behaviour and neotectonism from fluvial terraces along the Somersar river in wetern Rajasthan, India. *Ann. Arid zone*, V.23, pp. 161-170.

Kar Amal. (1984b). Morphology and evolution of some sandstone pediments in the Rajasthan desert, India. Geog. Rev. India, V. 46, pp. 67-74.

Kar Amal. (1987). Origin and transformation of longitudinal sand dunes in the Indian desert. Z. Geomorph., V.31, pp. 311-337.

Kar Amal. (1988a). Evidence for neotectonism from the Indian desert. Geomorphology and Environment.(Eds. Savindra singh and Tiwari, R. C.) Allahabad Geographical Society. pp. 300-310.

Kar Amal. (1988b). Evaluation of present day geomorphic processes in the Indian Desert for assessing land degradation and natural hazards. Geomorphology and Environment. (Eds.Savindra Singh and Tiwari, R. C.) Allahabad Geographical Society. pp. 643 - 654.

Kar Amal. (1988c). Possible Neotectonic activities in the Luni-Jawai Plains, Rajasthan. Jour. Geol. Soc. India, V. 32, pp. 522-526.

Kar Amal. (1990). The Lik river of the Rajasthan desert, its source, courses and present condition. Desertification, Monitoring and control (Eds. Tiwari, A. K.) Scientific Publishers, Jodhpur, India. pp. 249-255.

Kar Amal. (1993). Present day geomorphic processes as key to the reconstruction of Quaternary landform history in the Thar desert. Jour. Geol. Soc. India. V.41, pp. 513-517.

Kar Amal. and Ghose, B. (1984). The Drishadvati river system of India; An assessment and new findings. The Geographical Journal, V. 150, pp. 221-229.

Krishnan, M.S. (1952). Geological history of Rajasthan and its relation to present day conditions. Bull. Natn. Inst. Sci. India, V.1, pp. 19-31.

Lindsay, J. F. (1968). The development of clast fabric in mudflows. Jour. Sedimentary Petrology, V. 38, pp. 1242-1253.

Lodha, G. S., Sawhney, K. J. S., Razdan, M., Agarwal, D. P. and Juyal, A. (1988). Characterization of Loess-Paleosol sequences in Kashmir (India) valley using multi-element concentration data. Proc. Symp. on Palaeoclimatic and Palaeoenvironmental changes in Asia. Special Publication, Ind. Natn. Sci. Acad., New Delhi. pp. 23-33.

McArthur, J. L.(1987). The Characteristics, Classification and origin of late Pleistocene fan deposits in the Lass Basin, Canterbury, New Zealand, Sedimentology. V. 34, pp. 459-471.

Merh, S. S. (1987). Quaternary Sea level changes: The present status vis-a-vis records along coasts of India. Ind. Jour. Earth Sciences, V.14, pp.235-251.

Merh, S. S. (1992). Quaternary sea level changes along Indian coast. Proc. Ind. Natn. Sci. Acad., V.58, pp. 461-472.

Merh, S. S. (1993). Neogene-Quaternary sequence in Gujarat: A review. Jour. Geol. Soc. India, V. 41, pp. 259-276.

Merh, S. S. and Chamyal, L. S. (1993). The Quaternary sediments in Gujarat. Curr. Sci., V. 64, pp. 823-827.

Middleton, N. J. (1986). A geography of dust storms in Southwest India. Jour. of Climatology, V.6.

Misra, V.N. (1961). The Stone age cultures of Rajaputana. Ph.D. Thesis (unpubl.) Poona University.

Misra, V.N. (1962). Paleolithic culture of western Rajasthan. Bull. Deccan college Res. Inst. V. 21, 85p.

Misra, V.N. (1968). Middle stone age in Rajasthan. in : F. Bordes and D. de Sonneville Bordes (eds.) La Prehistorie: Problems et Tendances, pp. 295-302, Paris : CNRS.

Misra, V.N. (1984). Climate, a factor in the rise and fall of the Indus civilization-evidence from Rajasthan and beyond. In Frontiers of the Indus Civilization (Eds. Lal, B. B. and Gupta, S. P.) Books and Books, New Delhi, pp. 461-489.

Misra, V.N. (1987). Evolution of the Landscape and Human adaptations in the Thar desert. Presidential Address, Sec. Anthropology and Archeology., India. Sci. Cong. Assoc., Calcutta, part II, pp 1-24.

Misra, V.N. and Rajaguru, S. N. (1984). Evolution of environment and human settlement in the Thar desert, India - a review of the evidence. In Proceedings of Indo-U. S. Workshop on Arid Zone Research.

Misra, V.N. and Rajaguru, S.N. (1986a). The environment of Paleolithic man in the Thar Desert, India. L'Anthropologies.

Misra, V.N. and Rajaguru S. N. (1986b). Palaeoenvironment and prehistory of the Thar desert, India. In. South Asian Archaeology (1985). (Eds. Karen Frifelt Scandinavian Institute of Asian studies). Copenhagen.

Misra, V.N., Rajaguru, S.N. and Raghavan, H. (1988). Late Middle Pleistocene environment and Acheulian culture around Didwana, Rajasthan. Palaeoclimatic and Paleoenvironmental changes in Asia. (Eds. D.V.S. Jain, D.P. Agarwal, P. Sharma and S.K. Gupta). Specl. Publ, INSA, pp. 93 - 106.

Misra, V.N., Rajaguru S. N., Wasson R. J., Singh G. and Agarwal D.P. (1982 a).
Further light on Lower Palaeolithic occupation and palaeo- environment in
the semi-arid zone of Rajasthan. *Puratattva*, V. 11, pp. 11-18.

Misra, V.N., Rajaguru S. N., Raju D. R., Raghavan H. and Gaillard C. (1982 b).
Acheulian occupation and evolving landscape around Didwana in the Thar
desert, India. *Man and Environment*, V.6, pp. 72-86.

Misra, V.N., Rajaguru, S.N., Agrawal, D.P., Thomas, P.K., Hussain, Z. and Datta,
P.S. (1980). Prehistoric and Palaeoenvironment of Jayal, western Rajasthan.
Man and Environment. V.4, pp. 19-31.

Oldham, C. F. (1874). Lost River of the Indian desert. *Calcutta Review*, V. 59, pp
1-27.

Oldham, C. F. (1893). The Saraswati and the 'lost' river of the Indian desert. *Jour.
Roy. As. Soc., N. S. V. 25*, pp 49-76.

Oldham, R. D. (1886b). On probable changes in the geography of the Punjab and
its rivers - an historico - geographical study. *Jour. As. Soc. Beng.*, V.55 ,
pp. 322-343.

Pandey, J. (1986). Some recent palaeontological studies and their implications on
the Cenozoic stratigraphy of Indian subcontinent. *Bull. O.N.G.C.*, V. 23,
pp. 1-44.

Pant, G. B. and Maliekal, J. A. (1987). Holocene climatic changes over northwest India. An appraisal, climate change, V. 10, pp. 183 - 194.

Pant, R. K. and Chamyal, L. S. (1990). Quaternary sedimentation pattern and terrain evolution in the Mahi river basin, Gujarat, India. Proc. Ind. Nat. Sci. Acad., V. 56A, No. 6, pp. 501-511.

Pierson, T. C. (1981). Dominant particle support mechanism in debris flow at Mt. Thomas, New Zealand and implications for flow mobility. Sedimentology, V. 28, pp.49-60.

Pye, K. (1983). Red beds. Chemical sediments and Geomorphology (Eds. Goudie, A. S. and Pye, K.) Academic Press, London, pp. 227 - 263.

Raju, A. T. R. (1968). Geological evolution of Assam and Cambay Tertiary Basins of India. Bull. A. A. P. G., V.52, pp. 2422- 2437.

Rajaguru, S. N. (1983). Problem of late Pleistocene aridity in India. Man and Environment, V. 7 pp. 107-111.

Rao, K. L. N. (1987). Geological study of the northern Cambay Basinwith special reference to its tectonic framework and depositional environments. Ph. D. Thesis (unpublished). M. S. University of Baroda. 152p.

Sankalia, H. D. (1946). Investigations into the prehistoric Archaeology of Gujarat, Baroda: Baroda state press.

Sareen, B. K., Someshwar Rao, M., Tandon, S. K. and Singhvi A. K. (1992). A tentative chronological framework for the Quaternary deposits of the Sabarmati basin of semi-arid western India using Thermoluminescence. Abst. Int. Symp. Evolution of Deserts, Physical Research Laboratory, pp. 171-173.

Sareen, B. K., Tandon, S. K. and Bhola, A. M. (1993). Slope deviatoric alignment, stream network and lineament orientation of the Sabarmati river system - neotectonic activity in the mid-to late Quaternary. Curr. Sci., V.64, No. 11, pp. 827-836.

Sastray, C.V.S., Singh, G., Bhasin, A. L., Badda, S. N., Pati, B. and Chaturvedi, R. K. (1984). Possible leads for future exploration in Cambay basin. In: L. L. Bhandari, B. S. Venkatachala, R. Kumal, S. N. Swamy, P. Garga and D. C. Srivastava (Eds.). Petroliferous basins of India. Petrol. Asia. Jour., V.7, pp. 71-81.

Shackleton, N. J. and Opdyke, N. D. (1973). Oxygen Isotope and paleomagnetic stratigraphy of equatorial Pacific core. Quaternary Research, V.3, pp. 39-55.

Sharma, C. and Chauhan, M. S. (1991). Palaeovegetation and palaeoenvironmental inferences from the Quaternary palynostratigraphy of the western Indian plains. *Man and Environment*, V.16, pp. 65-71.

Singh, G., Joshi, R. D. & Singh, A. B. (1972). Stratigraphic and radiocarbon evidence for the age and development of three saltlake deposits in Rajasthan, India. *Quaternary Research*, V.2, pp. 496-505.

Singh, G., Joshi, R. D., Chopra, S. K. and Singh, A. B., (1974). Late Quaternary history of vegetation and climate of the Rajasthan desert, India. *Phil. Trans. Roy. Soc.*, V.267B, pp. 467-501.

Singh, N. , Pant, G. B. and Mulye, S. S. (1991). Distribution and long-term features of the spatial variations of the moisture regions over India. *Int. Jour. Of Climatology*, V.11, pp. 413- 427.

Singh, S. and Ghose, B. (1977). Geomorphology of the Luni basin and its palaeoclimatic inferences. *Ecology and Archaeology of western India* (Eds. Agarwal, D.P. and Pandey, B. M.) Concept publishing Co., Delhi, pp. 135-146.

Singhvi, A. K., Sharma, Y. P. and Agarwal, D. P. (1982). Thermoluminescence dating of sand dunes in Rajasthan, India. *Nature*, V.295, pp. 313-315.

Singhvi, A. K., Banerjee, D., Rajaguru, S. N. and Kishan Kumar, V.S. (1994). Luminescence chronology of a fossil dune at Budha Pushkar, Thar Desert: Palaeoenvironmental and archaeological implications. Current Science, V.66, pp. 770-773.

Sridhar, V. and Chamyal, L.S. (1995). Debris and Sheet flow dominated gravels in the Sabarmati basin of western India. Z.F. Geomorph. Berlin (In Press).

Sridhar V., Chamyal L. S. and Merh S. S. (1994). North Gujarat rivers: Remnants of a Super Fluvial System. Jour. Geol. Soc. Ind., V.44, pp. 427-434.

Subbarao, B. (1952). Archaeological explorations in the Mahi valley. Jour. M.S. Univ. Baroda, V.1, pp. 33-72.

Swain, A.M., Kutzbach, J.E. and Hasttentarh. (1983). Estimates of Holocene precipitation for Rajasthan, India, based on pollen and lake-level data. Quaternary Research. V.19, pp. 1-17.

Torrent, J. (1976). Soil development in a sequence of river terraces in northern Spain. Catena, V.3, pp. 137 - 151.

Torrent, J., Schwertmann, U. and Schulze, D.G. (1980). Iron oxide mineralogy of some soils of two river terrace sequences in Spain, Geoderma, V. 23, pp. 191 - 208.

Wainwright, G.J. (1964). The Pleistocene deposits of the Lower Narmada river and an early stone age industry from the River Chambal. M.S. University Archaeology and Ancient History Series, 7. Baroda.

Wasson, R.J., Rajaguru, S.N., Misra, V.N., Agarwal, D.P., Dhir, R.P., Singhvi, A.K. and Rao, K.K. (1983). Geomorphology, late Quaternary stratigraphy and paleoclimatology of the Thar dune field. Z. Geomorph, Suppl., V.45, pp. 117-151.

Zeuner, F.E. (1950). Stone age and Pleistocene Chronology in Gujarat. Deccan College. Poona. 46. p.

Zeuner, F.E. (1959). The Pleistocene Period : Its climate, chronology and faunal successions (2nd edn) London.

Zeuner, F.E. (1963). Environment of early man with special reference to tropical regions. The Maharaja Sayajirao Memorial Lectures - 1960-61. M.S. Univ. Of Baroda, Baroda.