

REFERENCES

REFERENCES

- Adams, A.E., Mackenzie, W.S. and Guilford, C., (1986). Atlas of sedimentary rocks under the microscope. *William Clowes Ltd., Beccles, London Publ.*, 104 p.
- Agarwal, G.C. (1986) Structure and tectonics of exposed Tertiary rocks between Narmada and Kim rivers in South Gujarat. *Jour. Geol. Soc. Ind.*, **27**: 531-542.
- Ahmad, F. (1986) Geological evidence bearing on the origin of the Rajasthan Desert (India). *Proc. Ind. Natn. Sci. Acad.*, **52**: 1285-1306.
- Alexander, J. (1987). Soft-sedimentary and burial related deformation in the Middle Jurassic non-marine formations of the Yorkshire Basin. *In: Deformation of sedimentary rocks* (Eds., M.E. James and R.M.F. Preston), *Geol. Soc. London Spec. Publ.*, **29**: 315-324.
- Alexander, J and Leeder, M.R. (1987). Active tectonic controls of alluvial architecture. *In: Recent developments in fluvial sedimentology*, (Eds., F.G. Etheridge, R.M. Flores and M.D. Harvey). *Spec. Publ. Soc. Econ. Palaeontol. Mineral.*, **39**: 243-252.
- Allen, G.P. and Posamentier, H.W. (1993). Sequence stratigraphy and facies model of an incised valley fill: The Gironde estuary, France, *Jour. Sediment. Petrol.*, **63**: 378-391.
- Allchin, B. and Hegde, K.T.M., (1969). The background of early man in the Narmada valley, Gujarat: a preliminary report of the 1969 season's field-work. *Jour. M.S. Univ. of Baroda*. **12**(1): 141-145.
- Allchin, B., Goudie, A. and Hegde, K.T.M. (1978). The Prehistory and Palaeogeography of the Great Indian Desert. Academic Press, London, 370p.
- Allchin, B. and Goudie, A., (1971). Dunes, aridity and early man in Gujarat, Western India. *Man*, **6**(2): 248-265.
- Allen, J.R.L. (1965). The sedimentation and Palaeogeography of the Old Red sandstone of Anglesey, North Wales. *Yorks. Geol. Soc. Proc.*, **35**: 139-185.
- Allen, J.R.L., (1983). Studies in fluvial sedimentation: Bar, bar complex and sandstone sheets (low sinuosity braided streams) in the Brownstones (lower Devonian), Welsh broader: sedimentary Quat. work., *Sediment. Geol.*, **33**: 237-393.
- Allen, P.A. (1981). Sediment and processes on a small stream-flow dominated Devonian alluvial fan, Shetland Island. *Sediment. Geol.*, **29**: 31-66.
- Arakel, A.V., (1986). Evolution of calcrete in Palaeodrainages of the Lake Napperby area, Central Australia. *In: Palaeoenvironment of salt lakes*, (Eds., A.R. Chivas, T. Torgersen and J.M. Bowler), *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, **54**: 283-303.

- Bakliwal, P.C. and Ramasamy, S.M. (1987). Lineament fabric of Rajasthan and Gujarat, India. *Rec. Geol. Surv. India*, **113**(7): .
- Bedi, N., (1978). Geomorphology of Mahi river basin in Gujarat, India. *In: Morphology and evolution of landforms* (Eds., V.K. Varma, S.K. Tandon and R. Kumar), University of Delhi, New Delhi: 26-38.
- Billi, P., Magi, M and Sagri, M., (1987). Coarse-grained low sinuosity river deposits: examples from Plio-Pleistocene Valdarno Basin, Italy. *In: Recent developments in fluvial sedimentology*, (Eds., F.G. Etheridge, R.M. Flores and M.D. Harvey), *Soc. Econ. Paleontol. Mineral. Spec. Publ.*, **39**: 197-203.
- Birkeland, P.W., (1984). *Soils and Geomorphology*. Oxford Univ. Press, New York, 372.
- Biswas, S.K. (1982). Rift basins in western margin of India and their hydrocarbon prospects with special reference to Kutch Basin. *Amer. Assoc. Petrol. Geol.*, **10**: 1497-1513.
- Biswas, S.K. (1987). Regional tectonic framework, structural evolution of the western marginal basin of India. *Tectonophysics*, **135**: 307-327.
- Bridge, J.S., (1984). Large-scale facies sequences in alluvial overbank environments. *Jour. Sediment. Petrol.*, **54**: 583-588.
- Brooke, G. A., Burney, D.A., Cowart, J.B. (1990). Desert paleoenvironment data from speleothems with examples from the Chihuahuan, Somali-Chalbi, and Kalahari deserts. *Palaeogeogr., Palaeoclimat., Palaeoecol.*, **76**: 311-329.
- Bryson, R.A. and Swain, A.K. (1981). Holocene variation in monsoon rainfall of Rajasthan. *Quat. Res.*, **16**: 135-145.
- Carver, R.E., (1971). *Procedures in sedimentary rocks*. John Wileys and Sons, Inc., Canada (Publ.): 653 p.
- Centamore, E. Cicacci, S. Del Monte, M. Fredi, P. and Lupia Palmieri, E. (1996). Morphological and morphometric approach to study the structural arrangements of northwestern Abruzzo (Central Italy), *Geomorphology*, **16**: 127-137.
- Chamyal, L.S. (1995). The Quaternary Continental deposits of the semi-arid Central Gujarat Alluvial plains. *Jour. Geol. Soc. India*, **45**: 345-348.
- Chamyal, L.S. and Merh, S.S. (1992). Sequence stratigraphy of the surface Quaternary deposits in the semi-arid basins of Gujarat. *Man and Environ.*, **17**: 33-40.
- Chamyal, L.S. and Merh, S.S. (1995). The Quaternary formations of Gujarat. *Mem. Geol. Soc. India*, **32**: 246-257.
- 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.*, **66**: 306-307.

- Chamyal, L.S., Merh, S.S., Maurya, D.M. and Sharma, B. (1995). The Quaternary sediment gravity flows in the Banganga basin, Vadodara district, Gujarat. *Man and Environ.*, **21**: 109-112.
- Chamyal, L.S., Khadkikar, A.S., Malik, J.N. and Maurya, D.M., (1997). Sedimentology of the lower Narmada alluvial fan, Western India. *Sediment. Geol.*, **107**: 263-279.
- Chandra, P.K. and Chowdhary, L.R. (1969). Stratigraphy of the Cambay basin. *Bull. ONGC*, **6**: 37-50.
- Chappell, J. and Shackleton, N.J. (1986). Oxygen isotopes and sea level. *Nature*, **324**: 137-140.
- Clemente, P. and Perez-Arlucea, M. (1993). Depositional architecture of the Cuerda Delpozo formation, lower Cretaceous of the extensional Cameros Basin, North-central Spain. *Jour. Sediment. Petrol.*, **63**(3): 437-452.
- Cooke, H.J. and Verhogen, B. Th. (1977). The dating of cave development- an example from Botswana. *Proc. Int. Spel. Cong. Sheffield, United Kingdom*: 122-124.
- Coulombe, C.E., Wilding, C.P. and Dixon, J.B. (1996). Overview of vertisols: Characteristics and impacts on society. *Adv. Agronomy*, **57**: 289-375.
- Dalrymple, R.W., Zaitlin, B.A. and Boyd, R. (1992). Estuarine Facies models: Conceptual basis of stratigraphic implications. *Jour. Sediment. Petrol.*, **62**: 1130-1146.
- Dhir, R.P., Rajaguru, S.N. and Singhvi, A.K. (1994). Desert Quaternary formation and their morphostratigraphy: Implications for the evolutionary history of the Thar. *Jour. Geol. Soc. of India*. **43**: 435-447.
- Dudal, R. and Eswaran, H. (1988). Distribution, properties and classification of vertisols. In: Vertisols: their distribution, properties, classification and management (Eds., L.P. Wilding and Puentes, R.). *Tech. Monog. 18, Texas A&M Print. Centre*, 1-22.
- Eberth, D.A. and Miall, A.D. (1991). Stratigraphy, Sedimentology and evolution of a vertebrate - bearing braided to anastomosed fluvial system, Cutler Formation (Permian - Pennsylvanian) north-central New Mexico. *Sediment. Geol.*, **72**. 225-252.
- Emiliani, C. (1955). Pleistocene temperatures. *Jour. Geol.*, **63**: 538-575.
- Fairbridge, R.W. (1961). Eustatic changes in sea level. *Physics and chemistry of the earth, Pergamon Press*. **4**: 99-186.
- Folk, R.L. (1968). Petrology of sedimentary rocks: Austin, Tex., Hemphills, Publ. 170 p.
- Foot, B.R. (1898). Geology of Baroda state. *Govt. Press, Baroda State*, 194 p.

- Friend, P.F., 1983. Towards the field classification of alluvial architecture or sequence. In: Modern and ancient fluvial systems (Eds., J.D. Collinson and J. Lewin), *Int. Assoc. Sediment. Spec. Publ.*, **6**: 345-354
- Gibling, M.R. and Rust, B.R. (1990). Ribbon Sandstones in the Pennsylvanian Waddens Cove formation, Sydney Basin, Atlantic Canada: the influence of Siliceous duricrusts on channel body geometry. *Sedimentology*, **37**, 45-65.
- Gillespie, A and Molnar, P (1995). Asynchronous maximum advances of mountain and continental glaciers. *Rev. Geophy.*, **33(3)**: 311-364.
- Goudie, A. (1973). The environmental background to early man in dry zone of north-western India: The geomorphic evidence for climatic change. In: First Int. Conf. S. Asian, Archae., Cambridge. Norman Hammond (Eds.). *Duck Worth Publ.* 29-37.
- Goudie, A., Allchin, B. and Hegde, K.T.M. (1973). The former extensions of the great Indian sand desert. *Geogr. Jour.*, **139**: 243-257.
- Gregory, D.I. and Schumm, S.A. (1987). The effect of Active tectonics on alluvial river morphology. In: River Channels: Environments and Processes (Ed. Richard, K.), *Basil Blackwell, Oxford*: 41-68.
- Grim, R.E. (1968). Clay mineralogy. *McGraw-Hill book comp. Publ.*, 596 p.
- Gupta, S.K. and Sharma, P. (1993). Enigma of the negative $\delta^{18}\text{O}$ pulse at the last glacial maximum in the Arabian Sea. *Curr. Sci.*, **64**: 107-110.
- Gustavson, T.C., 1991. Buried vertisols in lacustrine facies of the Pliocene Fort Hancock Formation, Hueco Bolson, west Texas and Chihuahua, Mexico. *Geol. Soc. Amer. Bull.*, **103**: 448-460.
- Hegde, K.T.M. and Switsur, V.R. (1973). Radiocarbon dates on the buried soil in the lower Narmada valley. *Curr. Sci.*, **42**: 607-609.
- Heilmann, P.G.F. (1972). On the formation of red soils in the lower Crati Basin (S. Italy). *Publ. Mini. Educ. and Sci. Netherlands*: 189 p.
- Heine, K. (1990). On the ages of humid Late Quaternary phases in Southern African arid areas (Namibia, Botswana). In: Palaeoecology of Africa and the Surrounding Islands (Ed. K. Heine), **23**: 149-164.
- Howard, A.D. (1967). Drainage analysis in geological interpretation: a summation. *Bull. Amer. Ass. Petrol. Geol.*, **51**: 2246-2259.
- JCPDS. (1979). Selected powder diffraction data for minerals. *First Ed.*, Berry, L.G., *JCPDS, USA*. 833 p.
- Jones, B. and Ng, K. (1988). The structure and diagenesis of rhizoliths from Cayman Brac, British West Indies. *Jour. Sediment. Petrol.*, **58(3)**: 457-467.

- Juyal, N., Pant, R.K., Bhusan, R. and Somayajulu, B.L.K. (1995). Radiometric dating of late Quaternary sea levels of Saurashtra coast, Western India: An experiment with Oyster and clam shells. *In: Quaternary Environments and Geoarchaeology of India, Mem. Geol. Soc. India (Rajaguru Vol.)*, **32**: 372-379.
- Kaila, K.L., Krishna, V.G. and Mall, D.M. (1981). Crustal structure along Mehmabad-Billimora profile in the Cambay basin, India, from deep seismic soundings. *Tectonophysics*, **76**: 99-130.
- Khadkikar, A.S., Chamyal, L.S., Malik, J.N., Maurya, D.M. and Merh, S.S. (1995). Arid-humid cycles in mainland Gujarat over the past 300 ka: Evidences from the Mahi river basin. *Jour. Geol. Soc. India*, **47**: 383-388.
- Khattari, K.N., 1994. A hypothesis for the origin of peninsular seismicity. *Curr. Sci.*, **67**: 590-597.
- Klappa C.F. (1980). Rhizoliths in terrestrial carbonates: classification, recognition, genesis, and significance. *Sedimentology*, **27**: 613-629.
- Kraus, M.J. (1984). Sedimentology and tectonic setting of Early Tertiary quartzite conglomerates, northwest Wyoming. *In: Sedimentology of Gravels and Conglomerates* (Eds., E.H. Koster and R.J. Steel). *Can. Soc. Petrol. Geol. Mem.*, **10**: 203-216.
- Kraus, M.J. and Middleton, L.T. (1989). Contrasting architectural of two alluvial suites in different structural setting. *In: Recent developments in fluvial sedimentology*, (Eds. F.G. Etheridge, R.M. Flores and M.D. Harvey). *Spec. Publ. Soc. Econ. Palaeontol. Mineral.*: 253-262.
- Mack, G.H., James, C.W. and Monger, C.H. (1993). Classification of Palaeosols. *Geol. Soc. Amer. Bull.*, **105**: 129-136.
- Malik, J.N. (1995). Quaternary sedimentation and neotectonism in the lower Tapi valley. *Man and Environment*. **20**(2): 1-9.
- Malik, J.N. and Khadkikar, A.S. (1996). Palaeoflood analysis of channel fill deposits, Central Tapi river basin India. *Zeit. Geomorph.*, **106**: 99-106.
- Marriott, S.B. and Wright, V.P. (1993). Palaeosols as indicators of geomorphic stability in two Old Red Sandstone alluvial suites, South Wales. *Jour. Geol. Soc. London*, **150**: 1101-1120.
- Maurya, D.M., Chamyal, L.S. and Merh, S.S. (1995). Tectonic evolution of central Gujarat alluvial plain, western India. *Curr. Sci.*, **69**: 610-613.
- Maurya, D.M., Malik, J.N., Rachna Raj and Chamyal, L.S. (1997). Soft sediment deformation in the Quaternary sediments of the lower Mahi river basin, Western India. *Curr. Sci.*, **72**(7): 519-522.
- Merh, S. S. (1995). Geology of Gujarat. *Geol. Soc. India*: 222 p.
- Merh, S.S. (1987). Quaternary sea level changes: The present status vis-à-vis records along coasts of India. *Indian Jour. Ear. Sci.*, **14**: 235-251.

- Merh, S.S. (1992). Quaternary sea level changes along Indian coast. *Proc. Indian Natn. Sci. Acad.*, **58**: 461-472.
- Merh, S.S. (1993). Neogene Quaternary sequence in Gujarat: A review. *Jour. Geol. Soc. India*, **41**: 259-276.
- Merh, S.S. and Chamyal. L.S. (1993). The Quaternary sediments in Gujarat. *Curr. Sci.*, **64**: 823-827.
- Merh, S.S. and Chamyal. L.S. (1996). Stratigraphic and palaeoclimatic studies on the Quaternary deposits of the arid and semi-arid basins of western India. *DST report (Unpubl.)* : 157 p.
- Merh, S.S. and Chamyal. L.S. (1997). The Quaternary Geology of the Gujarat alluvial Plains. *Monog. Indian Natn. Sci. Acad.*: 98 p.
- Miall, A.D. (1977). A review of the braided river deposition environment. *Earth Sci. Rev.*, **13**: 1-62.
- Miall, A.D. (1978). Lithofacies types and vertical profile models in braided river deposits : a summary. *In: Fluvial Sedimentology* (Ed., A.D. Miall), *Can. Soc. Petrol. Geol. Mem.*, **5**: 597-604.
- Miall, A.D. (1984). Variations in fluvial style in the Lower Cenozoic synorogenic sediments of the Canadian Arctic Islands. *Sediment. Geol.*, **38**: 499-523.
- Miall, A.D. (1985). Architectural-element analysis : A new method of facies analysis applied to fluvial deposits. *Earth Sci. Rev.*, **22**: 261-308.
- Miall, A.D. (1986). Analysis of fluvial depositional systems. *Spec. Publ. Amer. Assoc. Petrol. Geol., Fall Educ. Conf. Canada*: 1-75.
- Miall, A.D., (1988a). Architectural elements and bounding surfaces in fluvial deposits: Anatomy of the Kayenta formation (Lower Jurassic), southwest Colorado. *Sediment. Geol.*, **55**: 233-262.
- Miall, A.D. (1988b). Facies architecture in clastic sedimentary basins. *In: New perspectives in Basin analysis* (Eds. K.L. Kleinsphen and C. Paola). *Springer-Verlag, New York*: 67-81.
- Nanson, G.C., Price, D.M. and Short, S.A. (1992). Wetting and drying of Australia over the past 300 ka. *Geology*, **20**: 791-794.
- Pant, R.K., (1993). Spread of loess and march of desert in Western India. *Curr. Sci.*, **64**: 841-847.
- Pant, R.K. and Chamyal, L.S. (1990). Quaternary sedimentation pattern and terrain evolution in the Mahi river basin, Gujarat, India. *Proc. Indian Natn. Sci. Acad.*, **56 A**: 501-511.
- Patel, M.P. and Bhatt, N.P. (1995). Evidence of Palaeoclimatic fluctuations in Miliolite rocks of Saurashtra, Western India. *Jour. Geol. Soc. India*, **45**: 191-200.

- Pettijohn, E.J. (1968). Sedimentary rocks. *Second Edt., Harper and Row, New York.* 718 p.
- Peulvast, J.P., Bourhard, M., Jolicoeur, S., Guillaume, P. and Schroeder, J. (1996). Paleolandforms and morphotectonic evolution around the Base des Chaleurs (Eastern Canada), *Geomorphology*, **16**, 5-32.
- Pye, K. (1983). Red beds. *In: Chemical sediments and geomorphology* (Eds., Goudie, A.S. and Pye, K), *Academic Press, London*: 227-263.
- Raju, A.T.R. (1968). Geological evolution of Assam and Cambay Tertiary Basins of India. *Bull. Amer. Assoc. Petrol. Geol.*, **52**: 2422-2437.
- Ramasamy, S.M., Bakliwal, P.C. and Verma, R.P. (1991). Remote sensing and river migration in Western India. *Int. Jour. Rem. Sen.*, **12**: 2597-2609.
- Reading, H.G. (1986). Sedimentary environments and facies. *Blackwell Scient., Oxford, London Publ.*, 615 p.
- Retallack, G.J. (1990). Soils of the Past: An introduction to Palaeopedology. *Unwin Hyman, London*: 520 p.
- Retallack, G.J., Bestland, E.A. and Dugas, D.P. (1995). Miocene palaeosols and habitats of *Proconsul* on Rusinga Island, Kenya. *Jour. Human Evol.*, **29**: 53-91.
- Rognon, P. (1987). Late Quaternary climatic reconstruction for the Maghreb (North Africa). *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, **58**: 11-34.
- Raj, R. and Chamyal, L.S. (1997). A note on Foraminiferids from a new Mahi formation, Rayka, Mainland Gujarat. *Jour. Geol. Soc. Ind. (Comm.)*
- Rao, K.L.N. (1987). Geological study of the northern Cambay Basin with special reference to its tectonic framework and depositional environments. *Ph.D. Thesis (Unpubl.) M.S. University of Baroda*: 152 p.
- Roy, T.K. (1990). Structural styles in southern Cambay Basin. *ONGC Bull.*, **27(1)**: 15-56.
- Sankalia, H.D. (1946). Investigations into the prehistoric Archaeology of Baroda, *Gujarat. Baroda State Press.*
- Sastry, 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: Petroliferous basins of India* (Eds., L.L. Bhandari, B.S. Venkatachala, R.Kumar, S.N. Swamy, P. Garaga and D.C. Srivastava). *Petrol. Asia. Jour.*, **7**: 71-81.
- Schumm, S.A. (1986). Alluvial river response to active tectonics. *In : Active tectonics studies in geophysics. Washington, D.C. Natn. Acad, Press*: 80-94.
- Schumm, S.A. (1993). River response to baselevel change: Implications for sequence stratigraphy. *Jour. Geol.*, **101**: 279-294.

- Shackleton, N.J. and Opdyke, N.D. (1973). Oxygen isotope and palaeomagnetic stratigraphy of equatorial Pacific core V28-238: Oxygen isotope temperatures and ice volumes on a 10^5 and 10^6 year scale., *Quat. Res.*, **3**: 39-55.
- Sharma, C. and Chauhan, M.S. (1991) Palaeovegetation and palaeoenvironmental inferences from the Quaternary palynostratigraphy of western Indian plains. *Man and Environment*, **16**: 65-71.
- Singer, A., 1984. The palaeoclimatic interpretation of clay minerals in sediments- a review. *Earth Sci. Rev.*, **21**: 251-293.
- Singh, G., Joshi, R.D., Singh, A.B. (1972), Stratigraphic and Radiocarbon evidence for the age and development of three salt lake deposits in Rajasthan, India. *Quat. Res.*, **2**, 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. Royal. Soc.*, **267 B**, 467-501.
- Singh, I.B., Ansari, A.A. Chandel, R.S. and Misra, A. (1996). Neotectonic control as drainage system in Gangetic Plain, Uttar Pradesh. *Jour. Geol. Soc. India*, **47**: 599-609.
- Smith, S.A. (1990). The sedimentology and accretionary styles of an ancient gravel-bed stream: The Budleigh Salterton pebble beds (Lower Triassic), southwest England, *Sediment. Geol.*, **67**: 199-219.
- Sridhar, V. (1995). Sequential stratigraphy and paleoclimatic studies on the Quaternary deposits of lower Luni and Sabarmati basins of western India. *Ph.D. Thesis (Unpubl.) M.S. University of Baroda*: 222 p.
- Sridhar, V. and Chamyal, L.S. (1996). Debris and Sheet flow dominated gravels in the Sabarmati Basin, *Zeit. Geomorph.*, **103**: .
- Sridhar, V., Chamyal, L.S. and Merh, S.S. (1994). North Gujarat rivers: Remnants of a super fluvial system. *Jour. Geol. Soc. India*, **44**: 427-434.
- Sridhar, V., Merh, S.S. and Chamyal, L.S. (1997a) Drainage of North Gujarat : Present and past. *Jour. Geol. Soc. Ind.* **49**, pp.417-426.
- Sridhar, V., Merh, S.S. and Chamyal, L.S. (1997b) Role of Tectonism in the alluvial Plains of North Gujarat. *Proc.. Ind. Natn. Sci. Acad.* **63A**, No.2. pp. 59-70
- Subbarao, B. (1952). Archaeological explorations in the Mahi valley. *Jour. M.S. Univ. Baroda*, **1**: 33-72.
- Swain, A.M., Kutzbach, J.E. and Hasterntarh (1983). Estimates of Holocene precipitation for Rajasthan, India, based on pollen and lake-level data. *Quat. Res.*, **19**: 1-17.

- Switsur, V.R. and West, R.G. (1975). University of Cambridge natural radiocarbon measurements. *Radiocarbon*, **17**: 33-51.
- Tandon, S.K., Sareen, B.K., Rao, M.S. and Singhvi, A.K. (In press). Aggradation history and luminescence chronology of Late Quaternary semi-arid sequence of the Sabarmati Basin, Gujarat, Western India. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*
- Todd, S.P. and Went, J.D. (1991). Lateral migration of sand-bed rivers: Examples from the Devonian Glashabeg formation, SW Ireland and the Cambrian Alderney sandstone formation, channel Islands. *Sedimentology*, **38**: 997-1020.
- 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 Palaeoclimatology of the Thar Dune field. *Z. Geomorph. Suppl.*, **45**: 117-151.
- Watts, N.L. (1977). Pseudo-anticlines and other structures in some calcretes in Botswana and South Africa. *Earth Surf. Proc. Land.*, **2**: 63-74.
- Weaver, C.E. (1989). Clays, muds and shales. *Dev. Sediment.*, **44**, Elsevier Publ. Amsterdam, 819 p.
- Wilding, L.P. and Tessier, D. (1988). Genesis of vertisols: shrink-swell phenomena. In: Vertisols: their distribution, properties, classification and management (Eds., L.P. Wilding and Puentes, R.) *Tech. Mono 18, Texas A&M Print. Centre*: 55-81.
- Young, S.W. (1976). Petrographic textures of detrital polycrystalline quartz as an aid to interpreting crystalline source rock. *Jour. Sediment. Petrol.* **46**(3): 595-603.
- Zeuner, F.E. (1950). Stone age and Pleistocene chronology in Gujarat. *Deccan College, Poona*: 46 p.
- Zeuner, F.E. (1959). The Pleistocene Period. *London*: 447 p.
- 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*.