RFERENCES

Ahmad, E. (1972) Coastal Geomorphology of India. *Orient Longman, New Delhi*, 222p.

Anderson, R., S. and Anderson, S. P. (2010) Geomorphology: The mechanics and chemistry of landscape. *Cambridge University Press*, 637p.

Atwater B. F. (1987) Evidence for Great Holocene Earthquakes along the Outer Coast of Washington State. *Science*, **236**: 942-944.

Baskaran M., Rajagopalan G. and Somayajulu B. L. K. (1989) 230^{Th}/234U and 14C dating of the Quaternary carbonate deposits of Saurashtra, India. *Chemical Geology,* **79**: 65-82.

Bhatt, N. (2000) Lithostratigraphy of the Neogene-Quaternary deposits of Dwarka-Okha area, Gujarat. *Journal of Geological Society of India*. **55(2)**:139-148.

Bhatt, N. (2003) Quaternary carbonate deposits of Saurashtra and Kachchh, Gujarat, Western India: A Review. *Proceedings of the Indian National Science Academy*, **69-A (2)**:137-150.

Bhatt, N. and Bhonde, U. (2003) Quaternary fluvial sequences of South Saurashtra, Western India. *Current Science*, **84**: 1065-1071.

Bhatt, N. and Bhonde, U. (2006) Geomorphic expression of late Quaternary sea level changes along the Southern Saurashtra Coast, Western India. *Journal of Earth System Science*. **115(4)**: 395-402.

Bhatt, N. and Patel, M. P. (1998) Diagenesis in the Quaternary carbonate sediments of Saurashtra and Kachchh, Western India. In: Alsharhan, A. S., Glennie, K.W., Whittle, G. L. and Kendall, C.G. St. C. [Eds.] Quaternary Deserts and Climatic Change. Balkema, Rotterdam, pp.7-16.

Bhatt, N. and Patel, M. P. (1998b) Bioclastic shore deposits: Indicators of Late Quaternary high sea in Saurashtra, Western India. *Journal of Geological Society of India*. **52(5)**: 537-542.

Bhonde U. A. (2004) Late Quaternary geomorphic evolution of the southwestern Saurashtra, Gujarat, India. Unpublished Ph. D., M. S. University of Baroda, Vadodara

Bhonde, U. and Bhatt, N. (2009) Joints as fingerprints of stress in the Quaternary carbonate deposits along coastal Saurashtra, Western India. *Journal of Geological Society of India*. **74(6)**: 703-710.

Biswas, S. K. (1987) Regional tectonic framework, structure and evolution of the western marginal basin of India. *Tectonophysics.* **135(4):** 307-327.

Blum, M. D. and Valastro, S. (1994) Late Quaternary sedimentation, lower Colorado River, Gulf Coastal Plain of Texas. *Geological Society of America Bulletin.* **106(8)**:102-1016.

Blum, M. D. and Tornqvist, T.E. (2000) Fluvial response to climate and sea-level change: a review and look forward. *Sedimentology*. **47(s1)**: 2-48.

Bryant, E. (2001) Tsunami: The Underrated Hazard. Cambridge, *Cambridge University Press, Cambridge,* 320p.

Chamyal, L. S., Maurya, D. M. and Raj, R. (2003) Fluvial systems of drylands of western India: A synthesis of Late Quaternary environmental and tectonic changes. *Quaternary International.* **104 (1):** 69-86.

Chauhan, O. S., Almeida, F. and Moraes, C. (1992) Regional Geomorphology of the continental slope of NW India: Delineation of the signatures of Deep-seated structures. *Marine Geodesy*, **15(4)**: 283-296.

Chiplonkar, G. W. and Borkar, V. D. (1975) Stratigraphy of the area around Wadhwan, Saurashtra, Gujarat state. *Recent Researches in Geology*. 229- 239.

Dawson, A. G. and Shi, S. (2000) Tsunami deposits. *Pure and Applied Geophysics,* **157(6-8)**: 875-897.

Desai, B. G. (2015). Ichonological analysis of the Pleistocene Dwarka formation, Gulf of Kachchh: Trace marker behaviors and reworked traces. *Geodinamica Acta,* 1-16.

Desai, B. G. (2015). Ichonological analysis of the Shankhodhar sand clay member of the Dwarka Formation exposed on Bet dwarka and deduced that the trace markers had selective preference for their forging activity in shallow marine conditions.

Donato, S. V., Reinhardt, E. G., Boyce, J. I., Rothaus, R. and Vosmer, T. (2008) Identifying tsunami deposits using bivalve shell taphonomy. *Geology,* **36(3)**: 199-202.

Etienne, S. and Paris, R. (2010). Boulder accumulations related to storms on the south coast of the Reykjanes Peninsula (Iceland). *Geomorphology*, **114(1)**: 55-70.

Fedden, F. (1884): Geology of Kathiawar peninsula in Gujarat. *Memoirs of the Geological Survey of India*, **21(2)**: 52-56.

Felton, E. A. and Crook, K. A. W. (2003) Evaluating the impacts of huge waves on rocky shorelines: an essay review of the book 'Tsunami - The Underrated Hazard'. *Marine Geology*, **197(1):** 1-12.

Goff, J., Chague-Goff, C., Nichol, S., Jaffe, B. and Dominey-Howes, D. (2012) Progress in Palaeotsunami research. *Sedimentary Geology*. **243**: 70-88.

Goto, K., Okada, K. and Imamura, F. (2010) Numerical analysis of boulder transport by the 2004 Indian Ocean tsunami at Pakarang Cape, Thailand. *Marine Geology*, **268(1)**: 97-105.

Hashmi, N. H., Nigam, R., Nair, R. R. and Rajagopalan, G. (1995) Holocene sea level fluctuations on Western India continental margin: An update. *Journal of the Geological Society of India*, **46**: 157-162.

Heidarzadeh, M., Pirooz, M. D., Zaker, N. H., Yalciner, A. C., Mokhtari, M., Esmaeily, A. (2008) Historical tsunami in the Makran Subduction Zone off the southern coasts of Iran and Pakistan and results of numerical modeling. *Ocean Engineering*, **35(8):** 774-786.

Holbrook, J. and Schumm, S. A. (1999) Geomorphic and sedimentary response of rivers to tectonic deformation: a brief review and critique of a tool for recognizing subtle epeirogenic deformation in modern and ancient settings. *Tectonophysics*, **305(1)**: 287-306.

Imamura, F., Goto, K. and Ohkubo, S. (2008) A numerical model for the transport of a boulder by tsunami. *Journal of Geophysical Research: Oceans*, **113(C 1)**: 1-12.

Jain, R. L. (1997) A study of Miocene Mollusca from Jamnagar district, Gujarat. Ph.D. Thesis submitted to M. L. Sukhadia University, Udaipur (Unpublished).

Jain, M. and Tandon, S. K. (2003) Fluvial response to Late Quaternary climate changes, western India. *Quaternary Science Reviews*, **22(20)**: 2223-2235.

Jain, V. and Sinha, R. (2005) Response of active tectonics on the alluvial Baghmati River, Himalayan foreland basin, Eastern India. *Geomorphology*, **70(3)**: 339-356.

Jaiswal, R. K., Singh, A. P. and Rastogi, B. K. (2009) Simulation of the Arabian Sea Tsunami propagation generated due to 1945 Makran Earthquake and its effect on western parts of Gujarat (India). *Natural Hazards*, **48 (2)**: 245-258.

Juyal, N., Chamyal, L. S., Bhandari, S., Maurya, D. M. and Singhvi, A. K. (2004) Environmental changes during Late Pleistocene in the Orsang River basin, western India. *Journal of Geological Society of India*. **64(4)**: 471-479.

Kaila, K.L., Tewari, H.C., and Shama, P. L. N.(1981). Crustal structure from deep seismic sounding studies along Navibandar-Amreli profile in Saurashtra, India. *Memoirs of the Geological Survey of India*, **3**: 218-232.

Kale, V. (2007). Fluvio-sedimentary response of the monsoon-fed Indian rivers to Late Pleistocene-Holocene changes in monsoon strength: reconstruction based on existing ^{14}C dates. *Quaternary Science Reviews*, **26(11)**: 1610-1620.

Kale, V. S. (2002) Fluvial geomorphology of India rivers: an overview. *Progress in Physical Geography*, **26(3)**: 400-433.

Kale, V. S. and Rajaguru, S. N. (1983) Mid-Holocene fossil wood from Colva, Goa. *Current Science*, **52(16)**: 778-779.

Karami, H. (1990) *Mesozoic rocks of Saurashtra with special reference to their depositional environments.* Ph.D. Thesis submitted to The M. S. University of Baroda, Vadodara, India.

Kshirsagar, P.V., Shah, H. C., Seaman, S. J., Shaikh, B., Mohite, P., Gurav, T. and Chandrashekaran, D. (2011) Spheralites and thunder eggs from pitchstone of the Deccan Trap geology, Petrochemistry and emplacement environments. *Bulletin Volcanology*, **74(2)**: 559-577.

Kundal, P. and Mude, N. (2009) Nongeniculate corallinealgae from the Early Miocene to Late Holocene sequence of the Porbandar area, Saurashtra, Gujarat, India. *Journal of the Palaeontological Society of India*, **54(1)**: 73-80.

Kundal, P., and Mude, S. N. (2009) Geniculate coralline algae from the Neogene-Quaternary sediments in and around Porbandar, southwest coast of India. *Journal of Geological Society of India*, **74(2)**: 267-274.

Kundal, P. and Mude, S. N. (2010). Amphiroa, a geniculate coralline alga, from the Neogene-Quaternary sediments of the Porbandar area, Gujarat. *Journal of the Palaeontological Society of India*, **55(1)**: 37.

Kundal, P., Kundal, M. P., and Mude, S. N. (2014). Neogene-quaternary calcareous algae from Saurashtra basin, Western India: Implications on paleoenvironments and hydrocarbon exploration. *Journal of Geological Society of India*, **83(2)**: 183-190.

Lele, V. S. (1988) Quaternary formations in the Bhadar Valley-western India.*Bulletin of the Deccan College Research Institute*, 165-205.

Lorang, M. S. (2011) A wave-competence approach to distinguish between boulder and megaclast deposits due to storm waves versus tsunamis. *Marine Geology*, **283(1)**: 90-97.

Mathur, U.B. and Mehra. S. (1975): Report on the Quaternary Deposits of Porbandar area, Junagadh Dist. Gujarat. Progress Report *Geol. Surv. Ind*. for 1974 -75 (Unpub.).

Maurya, D. M., Bhandari, S., Thakkar, M. G. and Chamyal, L. S. (2003) Late Quaternary fluvial sequences of south Saurashtra, Western. India. *Current Science,* **84 (8)**:1056-1064.

Merh, S. S. (1995) Geology of Gujarat. *Geological Society of India*. p.223.

Merh, S. S. and Chamyal, L. S. (1996). The Quaternary sediments in Gujarat. *Current Science*, **64 (11-12)**: 823-826.

Miall, A.D. (2006) The Geology of Fluvial Deposits-Sedimentary facies, Basin analysis, and Petroleum Geology. *Springer-Verlag*, p.599.

Miall. A.D. (1985) Architectural-element analysis: a new method of facies analysis applied to fluvial deposits. *Earth-Science Reviews*, **22**: 261-308.

Mishra, D. C., Singh, B., Gupta, S. B., Prabhakar Rao, M. R. K., Singh, A. P., Chandrashekar, D. V., Hodlur, G. K., Rao, M. B. S. V., Tiwari, V. M., Laxman, G., Venkata Raju, D. Ch., Kumar,V., Rajesh, R. S., Babu Rao,V. & Chetty, T. R. K. (2001) Major lineament and gravity, magnetic trends in Saurashtra, India, *Current Science*, **80(5)**:1095-1067.

Mude, S. N., & Kundal, P. (2012) Additional coralline algae from the Lower Miocene to Late Holocene sediments of the Porbandar Group, Gujarat. *Journal of Geological Society of India*, **79(1)**:69-76.

Murty, T. S. and Bapat, A. (1999) Tsunamis on the coastlines of India. *Science of Tsunami Hazards*. **17(3)**: 167-172.

Noormets, R., Crook, K. A., and Felton, E. A. (2004) Sedimentology of rocky shorelines: 3. hydrodynamics of megaclast emplacement and transport on a shore platform, Oahu, Hawaii. *Sedimentary Geology*, **172(1)**: 41-65.

Noormets, R., Felton, E. A., & Crook, K. A. (2002) Sedimentology of rocky shorelines: 2: shoreline megaclasts on the north shore of Oahu, Hawaii—origins and history. *Sedimentary Geology*, **150(1)**: 31-45.

Nott, J. (2003) Waves, coastal boulder deposits and the importance of the pre-transport setting. *Earth and Planetary Science Letters*, **210(1)**: 269-276.

Oldham, R. D (1893) A manual of geology of India – Stratigraphical and Structural, *Geological Survey of India*. 2nd Edition.

Pararas-Carayannis, G. (2006) The potential Of tsunami generation along the Makran subduction zone in the northern Arabian Sea. Case study: The earthquake and tsunami of November 28, 1945. *Science of Tsunami Hazards*, **24(5)**: 358-384.

Paris, R., Lavigne, F., Wassmer, P., & Sartohadi, J. (2007) Coastal sedimentation associated with the december 26, 2004 tsunami in lhok nga, west banda aceh (sumatra, indonesia). *Marine Geology*, **238(1)**: 93-106.

Patel, M.P. (1991a) Quaternary strandlines in Gujarat. *Proc. Quat. Landscape of Ind. Subcont.* In: Desai, N., Ganpathi, S., Patel, P.K.(Eds.), The M. S. University of Baroda, pp. 107-118.

Pendse, C. G. (1948) The Makran Earthquake of 28th November 1945. *India Meteorological Department Scientific Notes*, **10**: 141-145.

Pignatelli, C., Sansò, P. and Mastronuzzi, G. (2009) Evaluation of tsunami flooding using geomorphologic evidence. *Marine Geology*, **260(1)**: 6–18.

Prizomwala S. P. (2013) Sediment Provenance, Pathways and Sink Potential of the inner Gulf of Kachchh coast, Western India. Ph. D. Thesis submitted to The M. S. University of Baroda, Vadodara (Unpublished).

Prizomwala, S. P., Shukla, S. B. and Bhatt, N. (2010) Geomorphic assemblage of the Gulf of Kachchh coast, Western India: Implication in understanding the pathways of coastal sediments, *Zeitschrift fur Geomorphologie,* **54(1)**: 31-46.

Raj, R. (2004) Fluvial response to Late Quaternary tectonic changes in the Dhadhar River basin, Mainland Gujarat. *Journal of the Geological Society of India*, **64(4-6):** 666.

Ramasamy, S. M., Kumanan, C. J., Saravanavel, J. and Selvakumar, R. (2006) Geosystem responses to December 26, 2004, Tsunami and mitigation strategies for Cuddalore-Nagapattinam coast, Tamil Nadu. *Journal- Geological Societ of India*, **68(6)**: 967-983.

Scheffers, A. and Kelletat, D. (2004) Bimodal tsunami deposits – a neglected feature in paleo-tsunami research. *Coastline Reports,* **1**: 67 – 75.

Scheffers, A. and Kelletat, D. (2005) Tsunami relics on the coastal landscape west of Lisbon, Portugal. *Science of Tsunami Hazards*, **23(1)**: 3-16.

Scheffers, S. R., Scheffers, A., Kelletat, D., Bryant, E. A. (2008) The Holocene – palaeotsunami history of West Australia. *Earth and Planetary Science Letters*, **270 (1)**: 137-146.

Scheffers, A. and Kelletat, D. (2003) Sedimentologic and Geomorphologic Tsunami Imprints Worldwide – a Review. *Earth Science Reviews*, **63(1-2)**: 83-92.

Shanmugam, G. (2006). The tsunamite problem. *Journal of Sedimentary Research*, **76(5)**: 718-730.

Shukla, S. B. (2012) Late Quaternary Morphodynamic evolution of the Northern coast of Gulf of Kachchh, Gujarat, Western India. Ph. D. Thesis submitted to The M. S. University of Baroda, Vadodara (Unpublished).

Shukla, S. B., Prizomwala, S. P., Ukey, V., Bhatt, N., and Chamyal, L. S. (2010) Coastal geomorphology and tsunami hazard scenario along the Kachchh coast, western India. *Indian Journal of Marine Sciences*, **39(4)**: 549.

Singhvi, A. K., Bhatt N., Glennie K. W. and Srivastava P. (2012) Chapter 5: India, Arabia and adjacent regions. In Quaternary Environmental Change in the Tropics. *Wiley-Blackwell*, pp. 151-206

Sinha, R., and Sarkar, S. (2009) Climate-induced variability in the Late Pleistocene–Holocene fluvial and fluvio-deltaic successions in the Ganga plains, India: a synthesis. *Geomorphology*, **113(3):** 173-188.

Sinha, R., Kumar, R., Sinha, S., Tandon, S. K., and Gibling, M. R. (2007) Late Cenozoic fluvial successions in northern and western India: an overview and synthesis. *Quaternary Science Reviews*, **26(22)**:2801-2822.

Srivastava, P.K. (1963) Geology of Saurashtra. Unpublished. ONGC Report.

Storey, B. C. (1995) The role of mantle plumes in continental breakup: case histories from Gondwanaland. *Nature*, **377(6547)**: 301-308.

Sukeshwala, R. N. (1981) Deccan Basalt volcanism. In: Deccan volcanism and related basalt provinces in other parts of the world, Subbarao, K. V. and Sukeshwala, R. N. [Eds.], Geol. Soc. Ind. Mem. No.3, pp. 8-18.

Switzer, A. D. and Jones, B. G. (2008) Setup, deposition, and sedimentary characteristics of two storm overwash deposits, Abrahams Bosom Beach, Southeastern Australia. *Journal of Coastal Research*, **24(1)**: 189-200.

Whelan, F. and Kelletat, D. (2005) Boulder deposits on the southern Spanish Atlantic coast: possible evidence for the 1755 AD Lisbon tsunami. *Science of Tsunami Hazards*, **23(3)**: 25-38.