

REFERENCES

- Allen G R and Steene R (1999) *Indo-Pacific Coral Reef Field Guide*, Tropical Reef Research, Singapore, 378p
- Antony A (1968) Study of the shelf water foraminifera of the Kerala coast, *Bull Dept. of Bio. Oceanogr*, University of Kerala V 4, pp 11-153
- Baker R G V and Haworth R J. (2000) Smooth or oscillating late Holocene sea levels in southeast Australia. an application of the fixed biological indicator method *Marine Geology*, V 163, pp.367-386
- Balsillie J and Donoghue J.F. (2004) *High Resolution Sea Level History for The Gulf of Mexico Since The Last Glacial Maximum*: Florida Geological Survey Open-file Report
- Banerjee R.K. (1989) Heavy metals and benthic foraminifera distribution along Bombay coast, India *Studies In Benthic Foraminifera* (Tokyo University Press, Tokyo), pp. 151-157
- Barker R.W (1960) Taxonomy notes, *Soc. Eco. Palaeont. Mineral. Spec Publ. No.6*, 238p.
- Baskaran M., Rajagopalan G. and Somayajulu B L K. (1989) $^{230}\text{Th}/^{234}\text{U}$ and ^{14}C dating of the Quaternary carbonate deposits of the Saurashtra, *India Chem. Geol. (Isot. Geosci Sect.)*, V.79, pp 65-82
- Becker D, Picot L. and Berger J.P (2002) Stable isotopes ($\delta^{13}\text{C}$ and $\delta^{18}\text{O}$) of charophyte gyrogonites example from the Brochene Fluh section (Late Oligocene – Early Miocene, Switzerland) *Geobios*, V.35, pp. 89-97
- Beltman B. and Allegrini C. (1997) Restoration of lost aquatic plant communities: new habits for Chara. *Neth J. Aquat. Ecol* V.30, pp 331–337
- Bhalla S N. (1968) Recent foraminifera from beach sands and its relation to the known foraminiferal provinces of the Indian Ocean, In. *Symp Inaidn Ocean, Bull Nat. Inst. Sci. India*, V 38(1), pp. 376-392
- Bhalla S.N and Nigam R (1986) Recent foraminifera from polluted marine environment of Velsao beach, South Goa, India, *Revue de Paleobiologie*, 5(1), pp. 43-36
- Bhatia S.B. and Kumar S. (1976) Recent benthic foraminifera from the shore sands of western India. *Contrib. Cushman Foundation Foram Res.* V. 7, pp. 15-24
- Bhatia S.B. (1956) Recent foraminifera from shore sands of western India. *Contrib. Cushman Foundation Foram Res.* V.7, pp. 15-24
- Bhatt N. (2000) Lithostratigraphy of the Neogene-Quaternary deposits of Dwarka-

- Okha area, Gujarat. *Jour. Geol. Soc. Ind.*, V. 55, pp.139-148
- Bhatt N (2003) Quaternary carbonate deposits of Saurashtra and Kachchh, Gujarat, Western India: A Review. *Proc. Indian Nat Sci Acad.*, V.69, pp.137-150
- Bhatt N and Bhonde U.A (2003) Quaternary fluvial sequences of south Saurashtra, western India *Curr. Sci.*, V.84, pp 1065-1071
- Bhatt N and Patel M.P (1996) Petrographic criteria for freshwater diagenesis of Saurashtra Miliolites. *Jour. Geol. Soc. Ind.*, V.48, pp. 415-419
- Bhatt N. and Patel M.P. (1998) Bioclastic shore deposits: Indicators of Late Quaternary high sea in Saurashtra, western India. *Jour. Geol. Soc. Ind.*, V.52, pp. 537-542
- Bhonde U. (2004) *Late Quaternary Geomorphic Evolution of the Southwestern Saurashtra Coast, Gujarat*. PhD Thesis, Department of Geology, The M.S University of Baroda, 165p.
- Biswas S.K. (1982) Rift basins in western margin of India and their hydrocarbon prospects with special reference to Kutch basin *Bull. A.A.P.G.*, V. 66(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
- Bitinas A , Zulkus V., Mazeika J., Petrosius R. and Kisielien D (2004) Tree remnants on the bottom of the Baltic Sea: the first results of investigations. *Geologija*, V.43, pp.43-46
- Bluemle J.P. (1999) Global Warming: A Geological Perspective. *NDGS Newsletter*, Vol. 26(2)
- Blum M D., Carter A., Zayac E., and Goble R. (2001) Middle Holocene Sea-Level and Evolution of The Gulf of Mexico Coast (USA), *Journal of Coastal Research*, Special Issue 36, pp. 65-80
- Bradshaw J.S (1955) Preliminary laboratory experiments in ecology of Foraminifera, *Micropalaeontology*, V.1, pp 351-358
- Brady H.B, (1884) Report on the foraminifera dredge by H.M.S. Challenger during the years 1873-1876. *Challenger Rept. Zool. Oceanogr* , V 28(45), pp 23-45
- Bruckner H., Montaggoni L. and Rescher N. (1987) Miliolite occurrences on Kathiawar Peninsula (Gujarat), India Latest Results from chronostatigraphical, petrological and palaeozoological analysis, *Berlin Geographische Studies*, V.25, pp.343-361
- Burrows E.M. and Lodge S.M. (1950) Note on the interrelationships of *Patella*, *Balanus* and *Fucus* on a semi-exposed coast, *Rep. Mar. Biol. Sta. Port Erin*, V.62, pp.

30-34

Buzas M.A and Severin K.P (1982) *Distribution and Systematics of Foraminifera in the Indian River, Florida*, Smithsonian Contributions to the Marine Sciences, Number 16, Smithsonian Institution Press, City of Washington, 73p

Casanova M T., Garcia A. and Feist M. (2003) The ecology and conservation of *Lychnothamnus barbatus* (characeae), *Acta Micropalaeontologica Sinica*, V. 20 (2), pp 118-128

Chauhan O.S , Almeda F and Moraes C (1993) Regional geomorphology of the continental slope of NW India. Delineation of the signatures of deep-seated structures. *Marine Geodesy*, V 15, pp. 283-296

Chiplonkar G.W. and Borkar V.D. (1973) Stratigraphy of the area around Wadhwan, Saurashtra, Gujarat state, *Recent researches in geology*. Hindustan Publishing Corporation (India), Delhi, pp 229- 239

Cook E.R., Rosanne D., D'Arrigo and Michael E.M (2002) A well-verified, multiproxy reconstruction of the Winter North Atlantic Oscillation Index since A.D. 1400. *Journal of Climate*, V.15, pp.1754-1764

Crawford S.A. (1977) Chemical, physical and biological changes associated with Chara succession in farm ponds. *Hydrobiologia*, V.55, pp. 209-217

Crowley T.J and T. Lowery (2000) How warm was the medieval warm period? A comment on "man-made versus natural climate change", *Ambio*, V. 29, pp.51-54

Cushman J A. (1929) The foraminifera of Atlantic ocean, *U.S. Nat. Mus Bull.*,V. 104, 129p.

Cushman J.A (1930) The foraminifera of North Atlantic Ocean, *US Nat. Mus. Bull.*, V. 105, 31p

Cushman J.A (1936) Some new species of *Elphidium* and related genera *Contr. Cush. Lab Foram. Res* , V 12, pp.78-89

Cushman J.A (1922) *Recent Foraminifera from Dry Tortugas Island, Florida*, Carnegie Inst Washing, Publ 313 (Dept Mar Biol.), V.17(26), pp. 45-76

Cushman J.A. (1944) Foraminifera from the shallow waters of New England Coast, *Contr. Cush. Found Foram. Res.*, Sp. Pub: 12

Cushman J A. and Grant U.S. (1927) Later Tertiary and Quaternary *Elphidium* of the west coast of the North America , San Diego, *Soc. Nat. Hist. Trans* , V 5, pp. 69-82

D'Orbigny A. (1826) Tableau methodique de la classes des Cephalopods. *An n Sci. Nat.* Paris, Ser , V. 1(7), pp.96-314

De C. (1989) Quaternary geological mapping of Gujarat. *Rec. Geol. Surv India*.

Jaipur, V 122 (7), pp 21

Debenaya J, Tsakiridis E, Soularde R. and Grosseld H (2001) *Marine Micropaleontology*, V 43(1-2), pp. 75-118

Fairbridge R.W. (1961) *Physics and Chemistry of the Earth* (ed. Ahrens, L H et al.), Pergamon Press, London, V. 4, pp 99-185

Fedden F. (1884) Geology of Kathiawar peninsula in Gujarat. *Mem. Geol. Surv. Ind.*, V. 21(2), pp. 52-56

Fernando S.A. and Fernando O.J. (2002) *A Field Guide to the Common Invertebrates of the East Coast of India*, Centre of Advanced Study in Marine Biology, Annamalai University, Perangipettai, 258p.

Flügel E. (1972) Mikrofazielle Untersuchungen an der Apulinen Trias. Methoden und Probleme. *Mitt. Ges. Geol. Bergbaustud.* 21, pp. 9-64

Folk R.L. (1974) *Petrology of Sedimentary Rocks* Hemphill Publishing Company, Texas. pp.184

Folk R.L. (1962) Spectral subdivisions of limestone types. *Bull. Amer. Assoc. Petrol. Geol. Mem.*, V. 1, pp. 62-84

Folland C.K., Karl T.R., Christy J.R., Clarke R.A., Gruza G.V., Jouzel J., Mann M.E., Oerlemans J., Salinger M.J. and Wang S.W. (2001) Observed climate variability and change. pp. 99-181 In: *Climate Change 2001: The Scientific Basis. Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change* (Houghton, J.T., Ding, Y., Griggs, D.J., Noguer, M., van der Linden, P.J., Dai, X., Maskell, K. and Johnson, C.A. Eds.). Cambridge University Press, Cambridge, UK, 881p.

Furssenko A.V. (1959) Subclass foraminifera, *OSNOVY palaeontologii*, NAUK USSR, Moscow, pp. 115-168

Gandhi S., Rajamanickam G.V.M. and Nigam R. (2002) Taxonomy and distribution of benthic foraminifera from the sediments off Palk Strait, Tamilnadu, east coast of India *Journal of The Palaeontological Society of India*, Vol. 47, pp 47-64

Ganpati P.N. and Satyavati P. (1958) Report on Foraminifera in bottom sediments in the Bay of Bengal, of the east coast India *Andhara Univ. Mem. Oceanogr.* V. 62 (II), pp. 100-127

Garcia A. (1994) Charophyta: their paleolimnology, *Journal of Paleolimnology* V. 10, pp. 43-52

Gaur A.S., Vora K.H. and Sundaresh (2007) Shoreline changes during the last 2000 years on the Saurashtra coast of India: Study based on archaeological evidences. *Curr. Sci.*, Vol. 92(1), pp 103-110

Gelumbauskait, L.Z. and Seckus, J. (2005) Late Quaternary shore formations of the

Baltic basins in the Lithuanian sector. *Geologija*, V.52, pp 34-45

GES (2005) *Ecology of the intertidal Zone of the Open Saurashtra Coast, Gujarat-Changes between Pre and Post Earthquake Scenario*, Gujarat Ecology Society, Vadodara, 165p.

Goldstein S.T. and Moodley L. (1993) Gametogenesis and the life cycle of the foraminifer *Ammonia beccarii* (Linne) forma tepida (Cushman). *Journal of Foraminiferal Research*, V 23, pp. 213-220

Grabau A.W (1904) On the classification of sedimentary rocks, *American Geologists*, V. 33, pp. 228-247

Grasshoff K., Erhardt M. and Kremling K. (1983) *Methods of Seawater Analysis*, Second Edition, (Verlag Chemie, Weinheim), 419p

Gupta, S.K. and Amin B.S. (1974) Io/U ages of corals from Saurashtra coast. *Marine Geology*, V.16, pp. 79-83

Hartnoll R.G. and Hawkins S J. (1985) Patchiness and fluctuations on moderately exposed rocky shores. *Ophelia*, V. 24, pp. 53-63

Hashmi N.H., Nigam R., Nair R.R. and Rajagopalan G. (1995) Holocene sea level fluctuations on western Indian conti-nental margin: An update; *J. Geol. Soc. India*, V. 46, pp. 157-162

Haung T.Y. (1964) "Rotalia" Group form upper Cenozoic of Tiwan. *Micropal.*, V. 10(1), pp. 49-62

Hawkins S.J., Hartnoll R G., Kain J.M and Norton T.A. (1992) *Plant-Animal Interactions in the Marine Benthos*, (ed. John, D. M., Hawkins, S J., Price, J. H.), Oxford University Press, Oxford, pp. 1-32

Hearty P.J. (2007) MIS 11 rocks! The 'Smoking gun' of catastrophic +20 m eustatic sea level rise. *PAGES News*, V. 15, pp. 25-52

Hill S., Burrowsand M.T. and Hawkins S.J (1998) *Intertidal Reef Biotopes (Volume VI): An Overview of Dynamic and Sensitivity Characteristics for Conservation Management of Marine SACS*, Scottish Association for Marine Science (UK Marine SACs Project), 84 p

Ishizaki K. (1943) On the species of *Strebulus* in Tiwan, *Tiwan Tigaku Kizi*, V 14 (3-4), pp.47-60

Ishizaki K. (1949) On the *Strebulus schroetetiana* (PARKER and JONES) and allied species. *Tiwan Tigaku Kizi.*, V. 11(2), pp. 49-61

Javaux E.J. and David B S. (2003) Illustration of modern benthic foraminifera from Bermuda and remarks on distribution in other subtropical/tropical areas. *Palaeontologia Electronica* V. 6(4), 29p.

- Jayaraju N. and Reddi K. R. (1997) Effect of river discharge on the test morphology of benthic foraminifera, south east coast of India *J Geol Soc of India*, V 50, pp. 425-439
- Juyal N., Pant R.K., Bhushan R. and Somayajulu B. L. K. (1995) Radiometric dating of Late Quaternary sea levels of the Saurashtra coast, Western India: An experiment with oyster and clam shells. *Mem. Geol. Soc. Ind.* No. 32, pp. 372-379
- Kachhara R. P., Jain R.L. and Jodhawat R.L. (1998) Status of the Gaj and Dwarka beds of Kathiawar, Gujarat *XVI Ind. Colloq. Micropaleon*, Goa (Abstract)
- 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. *Mem. Geol. Soc. Ind.*, No.3, pp. 218-232
- Kale V.S. and Rajaguru S.N. (1985) Neogene and Quaternary transgressional and regressional history of the west coast of India - An overview; *Bull Deccan College Res Inst.* V 44, pp.153-165
- Kameshwar Rao K. (1974) Ecology of Mandovi and Zuri estuaries, Goa; distribution of foraminiferal assemblage. *Indian Jour. Mar. Sci.*, V.3, pp. 61-66
- Karami H. (1990) *Mesozoic rocks of Saurashtra with Special Reference to Their Depositional Environments*. Ph.D. thesis (Unpub.) The M. S. University of Baroda
- Kathal P.K., (2005) Distribution and ecology of recent foraminifera from littoral sediments of Eastern India, *Jour. Geol. Soc. Ind.*, V.60, pp. 429-454
- Khare N., Sinha R. and Nigam R. (1995) Distribution and pattern of benthic foraminiferal morpho-groups in shelf region off Mangalore: environmental implications, *Indian Jour. Mar. Sci.*, V.24, pp.162- 165
- Khosla S.K., Mathur A.K. and Pant P.C. (1982) Ecology and Distribution of Recent Ostracods in the Miani lagoon, Saurashtra coast, *Recent Researches in Geology* V. 9, S.S. Merh (ed.), pp. 361-371
- Lankford R.F. and Phleger F.R. (1973) Foraminifera from the near shore turbulent zone, western North America *Jour. Foram. Res.* V 3(3), pp 101-103
- Levintson J.S. (2005) *Marine Biology- Functions, Biodiversity and Ecology*, Oxford University Press Inc., New York, pp. 271-299
- Linne C. (1758) *Systema Natura per regna tria naturae secundum classes, ordines genera, species cum characteribus, differentiis synonymis, locis*; V. 10(1), pp. 179-357
- Loeblich A.R. and Tappan H. (1988) *Foraminiferal Genera and Their Classification, Vol I and II*, Von Nostrand Reinhold, New York, 970p.
- Luterbacher J., Xoplaki E., Rickli R., Gyalistras D., Schmutz C., Wanner H., Dietrich

D, Jacobeit J and Beck C., (2002) Reconstruction of sea level pressure fields over the eastern North Atlantic and Europe back to 1500, *Climate Dynamics*, V.18, pp. 545-561

Madella M. and Fuller D.Q (2006) Palaeoecology and the Harappan civilization of South Asia A reconsideration, *Quaternary Science Reviews*, V 25, pp 1283–1301

Mann M.E., Bradley R S and Hughes M.K. (1998) Global-scale temperature patterns and climate forcing over the past six centuries *Nature*, V 392, pp.779-787

Mann M.E., Bradley R.S and Hughes M.K. (1999) Northern hemisphere temperatures during the past millennium. Inferences, uncertainties, and limitations, *Geophysical Research Letters*, V. 26, pp 759-762

Margalef R. (1968) *Perspectives in Ecological Theory*, University of Chicago Press, Chicago, 112 p.

Mathur U.B., Pandey D K. and Bahadur T. (2004) Falling Late Holocene sea-level along the Indian coast, *Curr. Sci.*, V 87 (4), pp. 439-440

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 (Unpublished).

Mathur U.B. (2005) Quaternary Geology – Indian Perspective. *Geol. Soc. Ind. Mem.*, V. 63, 344p.

Mathur U.B. and Pandey D.K. (2002) Radiocarbon dates of corals, gastropods and foraminifers from Saurashtra peninsula, Gujarat and their implications for sea level studies. *Jour. Geol. Soc. Ind.*, V.60, pp. 303-308

Merh S.S. (1980) The Miliolite Problem. *Presidential address, 67th session of the Ind. Sci Cong section of Geol. & Geography*, Calcutta, pp. 17-42

Merh S.S. (1995) *Geology of Gujarat*. Bangalore: Geological Society of India

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. and Chetty T.R.K. (2001) Major lineament and gravity, magnetic trends in Saurashtra, India, *Curr. Sci.*, V. 80(5), pp. 1095-1067

Muller- Merz E (1980) Strukturanalyses ausge wahlter roraloider Foramniren. *Mem. Suisses Palae.*, Basel, V. 101, pp. 5-70

Murray J.W. (2003) An illustrated guide to the benthic foraminifera of the hebridean shelf, west of Scotland, with notes on their mode of life. *Palaeontologia Electronica*, V 5(1), 31p.

Myers E H. (1943) Culture methods for marine foraminifera of the littoral zone. *Amer.*

Micro. Soc., Trans., V. 54, pp. 264-267

Nigam R. and Chaturvedi S K. (2000) Foraminiferal study from Kharo creek, Kachchh (Gujarat) north west coast of India, *Indian Journal of Marine Science*, V 29, pp 133-138

Nigam R. and Khare N. (1994) Effect of River discharge in morphology of benthic foraminifera test, *Jour. Geol Soc. Ind.*, V. 43, pp. 457-463

Nigam R. and Khare N. (1995) Significance of correspondence between river discharge and proloculus size of benthic Foraminifera in Paleomonsoonal studies, *Geo-Marine Letters*, V 15, pp 45-50

Nigam R. and Khare N. (1999) Spatial and temporal distribution of foraminifera in sediments off the central west coast of India and use of their test morphologies for the reconstruction of palaeomonsoonal precipitation, *Micropalaeontology*, V 45, pp. 285-303

Nigam R. and Shetty M G.A.P. (1980) Paleogene reworked foraminifera in recent sediments off Daman, western India, *Proc. 3rd Ind. Geol. Cong.* Poona, pp 273-280

Nigam R., Hashimi N.H. and Pathak M.C. (1990) Sea level fluctuations: Inferences from religious and archaeological records and their oceanographic evidences. *Jour. Mar. Archaeol.*, V. 1, pp. 16-18

Bhatt N. and Bhonde U. (2006) Geomorphic expression of late Quaternary sea level changes along the southern Saurashtra coast, western India. *J. Earth Syst. Sci.* V 115 (4), pp. 1-8

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

Pal B.P., Kundu B C., Sundaralingham V.S. and Venkataraman G S. (1962) Charophyta, *Indian Council of Agriculture Research*, New Delhi

Pandey P.C., Bahadur T and Mathur U.B. (2007) Stratigraphic distribution and depositional environment of Chaya formation along the North Western coast of Saurashtra Peninsula, Western India, *Jour. Geol Soc. Ind.*, V. 69(6), pp. 115-120

Parker F.L., Phleger F B. and Peirson J.F. (1953) *North Atlantic Foraminifera*, *Swedish Deep Sea Exp* , Rep 7, 122p.

Parker W K. and Jones T.R (1865) On some foraminifera from North Atlantic and Arctic Ocean, including Davis Strait and Baffins Bay, *Philos. Trans. Roy Soc. London*, V. 155, pp. 325-441

Patel M.P. (1991a) Depositional environments of the inland miliolite occurrences of Saurashtra and Kutch. In: Desai, N., Ganapathi, S., Patel, P.K. (Eds.), *Proc. Quat. Landscape of Ind. Subcont* The M S. University of Baroda, pp.119-129

- Patel M.P (1991b) Quaternary strandlines in Gujarat. In: Desai, N, Ganapathi, S., Patel, P K (Eds.), *Proc Quat Landscape of Ind. Subcont* The M. S University of Baroda, pp. 107-118
- Phleger F.B (1956) Significance of living foraminifera population along the central Texas coast *Contr Cushman Foram Res* V 7, pp 106-153
- Phleger F.B and Parker F L. (1951) Ecology of Foraminifera north-west Gulf of Mexico, *Geol. Soc Amer. Mem.* 46 b, 46p
- Pillai C.S.G and Patel M.I. (1988) Scleractinian corals from the Gulf of Kutch, *Journal of Marine Biological Association Ind.*, V. 30, pp. 54-74
- Poppe L.J., Paskevich V.F., Hathaway J.C, and Blackwood D S. (2001) *A Laboratory Manual for X-Ray Powder Diffraction*, U. S. Geological Survey Open-File Report 01-041.
(<http://pubs.usgs.gov/openfile/of01-41/html/docs/flow/index.htm>)
- Prasad S., Kusumgar S. and Gupta S K., (1997) A mid to late Holocene record of palaeoclimatic changes from Nal Sarovar: a palaeodesert margin lake in western India. *Journal of Quaternary Science* V.12, pp 153–159
- Raghunathan C., Sen Gupta R., Wangikar U. and Lakhmapurkar J. (2004) A record of live corals along the Saurashtra Coast of Gujarat, Arabian Sea. *Curr. Sci.*, V. 87, pp. 1131-1138
- Raj R. and Chamyal L.S. (1997) A noter on foraminiferids from a new Mahi formation, Rayka mainland, Gujarat *Geosci J.*, V. 18, pp. 123-129
- Raj R. and Chamyal L S. (1998) Microfauna from middle Holocene terrace lower Mahi valley, Western India. *J Paleo Soc India.* V.43, pp.59-71
- Rao K K. and Bhakaran T. (1996) Distribution of Foraminifera in Cochin Estuary, *J. mar. boil. Ass. India*, V 38 (1& 2), pp. 50-57
- Rao K.K., Sivadas P., Narayan B, Jayalakshmy K.V. and Kutty M.K (1987) Distribution of foraminifera in the lagoon of central island of the Lakshadweep archipelago, Arabian Sea, *Indian Journal of Marine Sciences*, V. 16, pp. 161-178
- Rao T.V. and Subba Rao M. (1974) Recent foraminifera of Suddageda estuary, east coast of India, *Micropaleo.*, V. 20(4), pp. 398-419
- Rao V.P., Veerayya M., Thamban M. and Wagle B.G. (1996) Evidences of late Quaternary neotectonic activity and sea level changes along the western continental margin of India, *Curr. Sci* , V. 71, pp. 213 – 219
- Rocha A.T. and Ulbado M.L. (1964) Contribution for the study of foraminifera from sands of Diu, Gagola and Simbor, *Garcia de Orta*, V. 12(3), pp. 55-57
- Sant D.A (1999) Landscape, structure and morphological development of Saurashtra

peninsula and lower Narmada valley western India. *Geological society of India Memoir* 43, pp. 335-352

Sen Gupta R., Patel M.I., Ramamoorthy K. and Deshmukhe G (2003) *Coral reefs of the Gulf of Kachchh - A sub-tidal videography*, Gujarat Ecological Society, Vadodara, India, 82 p

Sethulekshmi A.J. (1958) Foraminifera of Travancore coast. *Bull Cent Res Inst, Univ. Kerala*, V.6(1), pp. 3-44

Severin K.P. (1983) Test morphology of benthic foraminifera as a discriminator of biofacies *Mar Micropal*, V. 8, pp. 65-76

Sharma J.P., Shayampura R.L. and Shehgal J. (1994) *Soils of Gujarat*, National Bureau of oil Survey and Land Use Planning, Nagpur

Shepard F.P. (1964) Sea level changes in the past 6000 years: possible archeological significance. *Science*, V. 143, pp. 574– 576

Shrivastava P.K. (1963) *Geology of Saurashtra*. Unpublished ONGC Report

Sille N.P., Collinson M.E., Kucera M. and Hooker J.J. (2004) Evolution within the charophyte genus *Harrisichara*, late Palaeogene, southern England; environmental and biostratigraphic implications. *Palaeogeography, Palaeoecology, Palaeoclimatology*, V 208, pp. 153-173

Simons J., Ohrm M., Daalder R., Boers P. and Rip W. (1994) Restoration of Botshol (The Netherlands) by reduction of external nutrient load: recovery of a Characean community dominated by *Chara connivens*. *Hydrobiologia*, V. 275/276, pp. 243–253

Simpson E. H, (1949) Measurement of diversity, *Nature*, V. 163, pp. 688

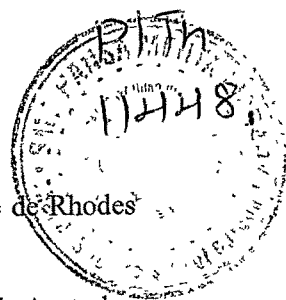
Singh, H.S. (2008) *Wildlife of Gujarat*, Gujarat Ecological Education and Research Foundation, Gandhinagar, 136p.

Soulié-Märsche I. (1989) Etude compare de gyrogonites de Charophytes actuelles et phylogenie des genres actuels, *Imprimerie des Tilleuls*, Millau, France

Soulié-Märsche I. (2005) Fossil algae vs Living algae: results from the study of Charophytes, *5th Regional Symposium of the IFAA*, volume 1, Annali dell'Università degli Studi di Ferrara, Museologia Scientifica e Naturalistica

Subrahmanyam V.P. (1983) Some aspects of water balance in the tropical monsoon climates of India. *Hydrology of Humid Tropical Regions with Particular Reference to the Hydrological Effects of Agriculture and Forestry Practice* (Proceedings of the Hamburg Symposium). IAHS Publ. no. 140, pp. 325-331

Talib A. and Faruqui M.Y (2007) Distribution of recent foraminifera in the littoral sediments of Dwarka, Saurashtra coast, Gujarat, *Journal of the Palaeontological Society of India*, V. 52(1), pp. 17-25



Terquem M. (1882) Les foraminifères de l'Éocène des environs de l'île de Rhodes
Geol. Soc. France, Mem, ser 3(2), Mem 3, pp. 1-193

Veron J.E.N. (2004) *Coral Survey at Selected Sites in Arnhem Land*, Australian Institute of Marine Science, Townsville, 24 p

Wade P.M. (1990) The colonisation of disturbed freshwater habitats by Characeae.
Folia Geobot Phytotaxon, V. 25, pp 275–278

Williamson W.C. (1958) On the recent foraminifera of Great Britain, *Roy. Soc. London*, 107p.

Wye K.R. (1991) *The Encyclopedia of Shells*, Grange Books, London, 288 p.

Zingde M.D. and Desai B.N. (1987) Pollution status of estuaries in Gujarat-An overview, *Contribution in Marine Science*-Dr. Qasim, S.Z. Ed.: Rao, T. S. S., Natarajan R., Desai B. N., Narayanswamy G., Bhatt S. R. *NIO publ.*, pp. 245-268

Zutshi P.L., Jain M.M. and Srivastava H.C. (1989) Basement configuration of Kutch and Saurashtra basins, *ONGC Bull.*, V 26, pp.53-62