

BIBLIOGRAPHY

BIBLIOGRAPHY

- Agarwal, A., Chopra, R. and Shukla, K.(1982) The state of India's Environment, Centre for Science and Environment, New Delhi, 189 p.
- Agarwal R.P, Joshi, S.V, Bhoj Rajeev and Mishra D.C. (1988) Report on Geological analysis of eastern flank of Cambay Basin between Sanchor in north and Tapi in south. Unpubl.Report ONGC.
- Ahluwalia, P.P.(1983) Monitoring and Management of groundwater in saline coastal area of Saurashtra. Proc. Sem. Assessment, Development and Management of Groundwater Resources, CGWB, New Delhi, 253-62 p.
- Ahmed, F. (1986) Geological evidence bearing on the Rajasthan Desert (India). Proc. India , Natn. Sci. Aca., V-52.1285-1306 p.
- Allchin, B., Goudie, A.S. and Hegde, K.T.M (1978) The prehistory and Palaeogeography of the Great Indian Desert.Academic Press, London. 370p.
- All India Soil and land Use Survey (1988) Watershed Atlas of India on 1:1 M scale, Ministry of Agriculture, Govt. of India, New Delhi.
- I.C A.R.(1977) Desertification and its control, Indian Council of Agricultural Research, New Delhi, 358 p.
- G E.R.I. (1984) Proceedings of the National seminar on Quakes, floods and cyclones (10-11 April, 1982) : Gujarat Engineering Research Institute, Baroda. 171 p.
- G.A.U.(1987) Status report of North Gujarat Agroclimatic zone, vol. 1, Pub. Gujarat Agricultural Univ., Sardar Krushinagar.
- Babu, P.V L.P (1977) Geomorphology of Cambay Basin. Jour. Ind. Soc. Pho. Int. V.No.1.

- Bakliwal, P.C and Ramasamy, S.M (1987) Lineament Fabric of Rajasthan and Gujarat, India. Rec. Geol. Surv. India, V. 113 (7) 54-69 p.
- Bakliwal, P.C. and Grover, A K.(1988) Signature and migration of Saraswati river in the Thar desert, Western India. Rec. Geol. Surv. India. V.116, 77-86 p.
- Balakrishnan, T.S, Gupta T.D and Bisht H.S (1977) Regional tectonic and sedimentation studies of Cambay Basin. O.N.G.C. Unpubl. Report.
- Bandopadhyay, J. and Vandana, S. (1986) Drought, Development and Desertification. Economics and Political Weekly Aug. 16.
- Bandopadhyay, J. (1987) Political ecology of drought and water scarcity : Need for an ecological water resources policy. Economics and Political Weekly Dec. 12.
- Bhatia, B.(1992) Lush fields and Parched Throats. Economics and Political Weekly Dec. 19-26.
- Bawaeja, B.K. (1969) Geology and groundwater condition in Mehsana, Visnagar, Kheralu, Chansama and Patan Talukas of Mehsana District, Gujarat, GSI Bull. Series B, No.27.
- Bedi, N. and Vaidyanathan, R. (1982) Effect of Neotectonics on the morphology of the Narmada river in Gujarat, western India. Z. Geomorph N.F, V.26, 87-102 p.
- Bell, F. G. (1980) Engineering Geology and Geotectonics Butterworth & Co. Ltd., London.
- Bell, F.G. (1983) Fundamental of Engineering Geology, Butterworth & Co. Ltd., London.
- Betz, F. Jr (Ed.), (1975) Environmental Geology, Halsted, Strondsburg (pennsylvania), 390 p.
- Bhan, S.K. (1972) Geological mapping in parts of Banaskantha, Mehasana and Sabarkantha districts, Gujarat. Unpubl.GSI Report.

- Bhandari L.L (1986) Occurrence of Syenite in Subcrops in the Northern Cambay Mineral Wealth V.4(2).
- Bhumbia, D.R and Khare, A. (1984) Estimate of Wastelands in India, Society for Promotion of Wastelands Development, New Delhi, 16 p.
- Biswas, A.B and Saha, A.K, (1982) Groundwater resources of India, with special reference to their salinity and pollution hazards. In : C.K Varshney (Ed) Water Pollution and Management Reviews, South Asian Publishers, New Delhi, 113-27 p.
- Biswas, S.K. (1981) Basin framework, palaeoenvironment and depositional history of the Mesozoic sediments of Kutch, Western India. Quat. Geol. Min. Met. Soc. India. V.53, No.182, 56-86 p.
- Biswas, S.K. (1982) Rift basins in Western India and their hydrocarbon prospects with special reference to Kutch basin. A.A.P.G. Bull., V-66, No.10, 1467-1513 p.
- Biswas, S.K. (1987) Regional tectonic framework structure and evolution of western marginal basins of India. Tectonophysics, V-135, 302-327 p.
- Bloom, A.L. (1983) Geomorphology : A systematic analysis of late Cenozoic Landforms. Prentice-Hall of India Pvt. Ltd, New Delhi, 510 p.
- Bott, B.A., Horn, H.L., Macdonald, G.A. and Scott , R.F.,(1975) Geological Hazards. Springer-Verlag, New York, 328 p.
- Bowonder, B.(1982) Deforestation in India Intern. Jour. Env. Studies. 223-36 p.
- Bull, W.B (1977) The alluvial fan environment. Prog. Phys. Geog., V.1, 222-270 p.
- Census of India (1991) District census handbook, Banaskantha, Directorate of census operations, Gujarat.

- C.G.W.B (1976) Brochure on hydrogeological map of India. G.O.I., Faridabad.
- Chamyal, L.S. (1995) The Quaternary continental deposits of the semi-arid Central Gujarat Alluvial plains. Jour. Geol. Soc. India V.45 345-348 p.
- Chamyal, L.S. and Merh, S.S. (1992) Sequence stratigraphy of the surface Quaternary deposits in the semi-arid basins of Gujarat. Man and Environment, V.17, No.-1, 33-40 p.
- 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, 306-307 p.
- Chandra, P.K. and Chaudhary, L.R. (1969) Stratigraphy of the Cambay basin. Bull. O.N.G.C., V.6, No.2, 37-50 p.
- Charlu, T.G.K. and Dutta, D.K. (1982) Groundwater development in India. Technical series no.1, Rural Electrification Corp., New Delhi.
- Chaturvedi, M.C. (1981) Flood Management new concepts, technology and planning approach. Proc. Intern. Conf. Flood Disasters, Indian National Science Academy, New Delhi, 1-15 p.
- Chiras, D.D. (1985) Environmental Science, Benjamin Cummings Pub. Co. Inc. USA 165-368 p.
- Coates, D.R. (1973) Environmental Geomorphology and Landscape conservation (Benchmark papers in Geology), Dawdan, Hutchison and Ross, Stroudsburg (Pennsylvania), 360 p.
- Coates, D.R. (1976) Geomorphology and Engineering, Dawden, Hutchinson and Ross, Stroudsburg (Pennsylvania), 360 p.
- Coates, D.R (1981) Environmental Geology. John Wiley, New York, 701 p.

- Coulson, A.L. (1933) The Geology of the Sirohi state, Rajasthan. Mem. Geol. Surv. Ind., V.53(1), 220 p.
- Dalal Consultants (1993) Mathematical modelling of groundwater system of the area of SSP command beyond Banas river upto Rajasthan border. N.P.G., G.O.I., Gandhinagar.
- Das, D.C. (1977) Soil conservation practices and erosion control in India -a case study. Soil Bulletin of F.R.O., V.33, 11-50 p.
- Dasmann, R.F. (1959) Environmental Conservation. John Wiley, New York, 375 p.
- Datta, A.K. (1987) Depositional model of Cambay shale formation in North Cambay Basin. O.N.G.C. Unpublished report.
- Davis, S.N. and Deweist, R.J.M. (1970) Hydrogeology, John Wiley and Sons, Inc, New York, 463 p.
- Deb, M. (1973) Some observations on the minerology and metamorphism of the Zn-Pb-Cu ore from Deri-Ambaji area, Banaskantha district, Gujarat. Jour. Geol., V.75 115-137 p.
- De, C. and Mathur, U.B. (1988) New find of marine oolitic calcareous sediments from north Guajrat, India. Proc. Nat. Sem. Recent Quaternary studies in India, M.S. University, Baroda, 155-163 p.
- Desai, S.J., Patel, M.P. and Merh, S.S. (1978) Polymetamorphites of Balbram-Abu Road area, north Gujarat and South-west Rajasthan. Jour. Geol. Soc. Ind., V.19, No.9, 383-394 p.
- Detwyler, T.R. (Ed.) (1971) Man's Impact on Environment. Mc Graw-Hall, New York, 731 p.

- Dhar, O.N., Ghose, G.C. and Kulkarni, A.K., (1981) A catalogue of major and devastating floods in India and their space-time distribution. Proc. Intern. Conf. Flood Hazards, Ind. Nat. Sci. Acad., New Delhi, V.1, 147-61 p.
- Dhawan, B.D. (1989) Preventing Groundwater Over-exploitation. Proc. workshop on efficiency and equity in Groundwater use and management IRMA, Anand, Gujarat.
- Dhir, R.P. (1977) Paleoclimatic inference from Quaternary pedogenic processes in arid zone. In Ecology and Archaeology of western India. Agarwal, D. P and Pandey, B.M. (Eds.), Concept. Publ. Co. Delhi, 127-134 p.
- Dhir, R.P. Kar, A. Wadhawan, S.K., Rajaguru, S.N., Mishra, 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. Ind. 191 p.
- Directorate of Economics and Statistics (1987) Planning Atlas of Gujarat, Government of Gujarat, Gandhinagar.
- D.A.S (1991) Directorate of Agriculture Statistics Wing, District wise Rainfall data, Government of Gujarat, Ahmedabad.
- Dubey, D.D., Sharma, O.P., Sethi, M. and Gupta, R.K. (1995) Salt affected soils of Gujarat, extent, nature and management. Central Soil Salinity Research Institute, Karnal (India).
- Dunne, T. and Leopold, L.B. (1978) Water in Environmental Planning. Freeman, San Francisco, 818 p.
- Eremenko, N.A., Negi, B.S., Kasianov, M.V., Serigin, A.M., Deshpande, B.G., Sengupta, S.N., Talukdar, S.N., Sastri, V.V., Sokolar, I.P. Pavlenko, A.I, Datta, A.K, and

- Raju, A.T.R (1969) Tectonic map of India by ONGC Principles of preparation, Bull. ONGC, Vol. 6 , No. 1.
- Flawn, P.T. (1970) Environmental Geology. Harper and Row, New York, 313 p.
- Foot, R.B. (1898) Geology of Baroda State. Govt. Press, Baroda State, 194 p.
- Ghosh, R.N. (1982) Quaternary events and environments in Little Rann of Kutch, Gujarat, Proc. IV. Reg. Conf. Geol. Min. Energy Resources, S.E Asia, UNESCO, Manila, Philippines, 111-126 p.
- Ghose. B. (1965) The genesis of desert plains in the Central Luni basin. Jour. Indian Soc. soil Sci., V-13, 123-126 p.
- Ghose, B. (1971). Geomorphological aspects of the formation of salt basins in Western Rajasthan. Proc. Sym. problems of Indian Arid zone. CAZRI Jodhpur, 79-83 p.
- Ghose, B; Singh, S and Kar, Amal (1977). Desertification around Thar-A geomorphological interpretation. Ann. Arid Zone V.16, 290-301 p.
- Ghosh, R.N. (1979) Neotectonism and Stratigraphy of Little Rann of Kutch, Gujarat. Proc. II Nat. Sem. Quat. Env. W. India, MSU, Baroda, 8-9 p.
- Ghosh, G. and P.N. Phadtare (1990). Environmental effects of over exploitation of the Groundwater Resources of the Multiaquifer system of North Gujarat Area, India" CGWB, Ahmedabad.
- Goel, R.S. and Prasad, K.(1993) An overview of environmental impacts of Indian WRD projects (Edt. R.S Goel.) Environmental impacts of Water Resources Development, Tata McGraw-Hill, Publishing Co.Ltd., New Delhi.
- Govindan, A. (1987) Paleoenvironmental analysis of North Cambay Basin (Balol, Santhal, Jotaria, Sobhasan) :ONGC., Unpubl. report.

- Gupta, S.K. (1972) Holocene silting in the Little Rann of Kutch. In: Ecology & Archeology of W. India concept (Eds. Singh, S and Tiwari R..C), Delhi, 201-205 p.
- Gupta, S.K. (1975) Silting of the Rann of Kutch during Holocene Ind. Jour. Earth Science. V.2, No.2, 163-175 p.
- Gupta, S.K. (1977) Holocene silting in the little Rann of Kutch. In: (Eds. Agarwal D.P. and Pandey, B.M) Ecology and Archaeology of western India. Concept Publ. Co., Delhi, 201-205 p.
- Gupta, S.N, Mathur, R.K. and Arora, Y.K. (1992) Lithostratigraphy of Proterozoic rocks of Rajasthan and Gujarat- a review. Rec. Geol. Surv. India. V.115 (7&8), 63-85 p.
- GERI,(1993) Report on wasteland development of Banaskantha district, Remote sensing cell, Gujarat Engineering Research Institute, Vadodara.
- GWRDC, (1991) Report of the committee on Estimation of Groundwater Resource and irrigation Potential in Gujarat State, GOG, Gandhinagar.
- GWRDC, (1993) Interim report of Groundwater investigations carried out in SSCA between Narmada and border of Rajasthan.
- 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, 1 p.
- Heron, A.M. and Ghose, P.K. (1938) The geology of Palanpur, Danta and parts of Idar states. Rec. Geol. Surv. India. V.72, 369-411 p.

- Heron, A.M. (1953) The geology of Central Rajputana. Mem. Geol. Surv. India, 72, No. 4, 367-411 p.
- Horrocks, N.K.(1978) Physical Geography and Climatology. Longman group Ltd. London. 114-124, 156-235 p.
- Howard, A.D. and Remson, I. (1978) Geology in Enviornmental Planning. McGraw Hill, New York, 428 p.
- HRW (1993) Sardar Sarovar Projects command Area Environmental Impact Assessment Progress Report, NWRD, GOG. Gandhinagar.
- IMD (1988) India Meteorological Department Climatology tables of observations in India, 1930-1960, controller of publications Govt. of India, Delhi.
- Kalia, K.L., Krishna, V.G. and Mali, D.M. (1981) Crustal structure along Mehmabad-Bilimora Profile in the Cambay basin, India, from deep seismic soundings. Tectonophysics. V.76, 99-130 p.
- Kalubarme, M.H. and Sahai, B.(1983) Remote Sensing of waterlogged and salt affected soils in the Mahi command area. Proc. Nat. Sym. Remote sensing in Development and Management of Water resources, Ind. Soc. Phot. Int. and Remote sensing, Dehradun, 182-190 p.
- Kar, A. (1987) Origin and transportation of longitudinal sand dunes in Indian desert. Z Geomorph, V.31, 311-337 p.
- Kar, A. (1988a) Evidence for neotectonism from the Indian desert. Geomorphology and Environment (Eds. Savindra Singh and Tewari, R.C.). Allahabad Geo. Soc. 300-320 p.

- Kar, A. (1988b) Evaluations of present day geomorphic processes in the Indian Desert for assessing degradation and natural hazard. (Eds. Singh, S. and Tiwari, R.C.). Allahabad Geol. Soc.
- Kar, A. (1990) The Lik river of Rajasthan desert, its source, courses and present condition. Desertification, Monitoring and control (Eds. Tiwari, A.K.) Scientific Publishers, Jodhpur, India. 249-225 p.
- Kar, A. (1993) Present day geomorphic processes as key to the reconstruction of Quaternary landform history in Thar Desert. Jour. Geol. Soc. Ind. V-41, 513-517 p.
- Karanth, K.R. (1987) Groundwater Assessment, Development and Management . Tata McGraw Hill. 402-404 p.
- Kathuria, K.C. (1978) Watershed Planning for Optimum Utilization of water- Kurukshetra. 26 (21) 18-20 p.
- Kaul, R.N. and Das, D.C. (1982) Soil and Water Management. In: State of the Environment-Some aspects, Nat. Comm. Plann., Dept. of Environment, New Delhi, 1-16 p.
- Kayastha, S.L. (1981) An Appraisal of water resources of India and need for national water policy. Geogr. Jour. 563-72 p.
- Keller E.A. (1985) Environmental geology (4th Ed.). A Bell and Howell Company, Columbus (Ohio), 488 p.
- Kempaiah, P. (1990) Status of groundwater development in India. Bhu. Jal News 7-11 p.
- Krupanidhi (1973) Studies on specific capacities of wells in hard rocks and alluvial formations of Mysore State. Intl. Syra. Dev. Groundwat. Res. Proc. V. 1, ii a, 61-74 p.

- Limaye, M.A (1992) Structure, Metamorphism and Geochemistry of Rocks around Danta, Dist. Banaskantha, Gujarat. Unpubl. Ph.D. Thesis, MSU of Baroda.
- Malpathak, G.T. (1979) Geology of the Ambamata area in North Gujarat. Unpubl., Ph. D. Thesis, MSU, Baroda.
- Marcus, M. and Matzger, H. (1993) Groundwater availability for Drinking water in Gujarat: Quantity, Quality and Health Dimension. VIKSAT, Ahmedabad.
- Marcus, M., Turquist, S., Dineshkumar (1993). Water Management India's Groundwater challenge, Proc. of Workshop, VIKSAT- Pacific Institute Collaborative Groundwater Project.
- Mathur, L.P., Rao, K.N. and Chaube, A.N. (1968) Tectonic framework of Cambay Basin, India. Bull, O.N.G.C., V.5, No.-1, 7-28 p.
- Mathur, K. (1984) Palynofloral and Nannofloral studies of various formations of N. Cambay Basin: ONGC Unpubl. report.
- Mehrotra R.B. (1977) Cambay Basin, Stratigraphy tectonic and hydrocarbon occurrences. Lecture delivered to Graduate Trainees at IPC, ONGC Unpubl. report.
- Mehrotra, R.B. and Ramakrishna, V. (1981) Stratigraphy of the Cambay basin at a glance. ONGC. Unpubl. Report.
- Merh, Sukumar (1950) On the Geology around Ambamata (Danta state), N.Gujarat, Bombay. Quat. Jour. Geol. Min. Met. Sci. Ind., V.22, 59-70 p.
- Merh, S.S. (1967) Mafic and ultramafic rocks of Precambrian terrains of Gujarat. Proc. Sym. Upper Mantle Project. (NGRI, Hyderabad), 402-407 p.
- Merh, S.S. (1978) The age and correlation of the granitic rocks of Gujarat. Recent Research in Geol., V.7, 178-182 p.

- Merh, S.S. (1987) Quaternary sea level changes: The present status vis-à-vis records along coasts of India : Ind. Jour. of Earth Sci., V.14, no.3-4, 235-251 p.
- Merh, S.S.(1992) Quaternary sea changes along Indian coast :Proc. Ind. Nat. Sci. Acad.V-58, No.5, 461-472 p.
- Merh, S.S. (1993) Neogene Quaternary sequence in Gujarat. A Review. Jour. Geol. Soc. Ind. , V.41, 256-276 p.
- Merh, S.S. (1995) Geology of Gujarat, Geol. Soc. Ind. Bangalore.
- Merh, S.S. and Chamyal. L.S. (1993) The Quaternary sediments in Gujarat. Special volume on Quaternary period in India. Current Science. V.64, 823-827 p.
- Merh, S.S. and Patel P.P (1988). Quaternary geology and geomorphology of the Ranns of Kutch. Proc. Nat. Sem. Recent Quaternary studies in India, M.S University, Baroda, 377-391 p.
- Middlemiss, C.S. (1921) Geology of Ider state, Mem. Geo. Surv. Ind., V.44, Pt.-1, 1-66 p.
- Middleton, N.J. (1986) A geography of dust storms in southwest India Jour. of Climatology., V.6.
- Mistry, J.F. (1988) Important aspects of river valley project, Hydrology and water planning, Publ. Dinkar Mahajan for Mahajan book distributors, Ahmedabad V.1, 232 p.
- Mistry, J.F.(1989) Important aspects of river valley projects related aspects, environment impact, salinity, remote sensing water management, command area development works.
- Murthy, J.V.S (1988) Watershed Management in India. Nat. Workshop TDS development NIWL RD. N.D. Ind. Proc.5-10 p.

- Murthy, J.V.S. (1990) Watershed Management for reviving ecological environment in India. Workshop Ecol. Manag. ASCL, Hyd.
- NWRD (1991) Report of high level committee on augmenting surface water recharge in over exploited aquifers in North Gujarat, Narmada and water resource department Govt. of Gujarat, Gandhinagar.
- NWRD (1992) Report of committee of estimation of ground water resource and irrigation potential in Gujarat state Narmada and water resource department, Govt. of Gujarat, Gandhinagar.
- Olson, G.K. (1981) Soil and the Environment, Chapman and Hall. New York, 178 p.
- ORG (1993) Groundwater system study: Sabarmati basin, Doab. Operation Research Group, Gujarat Research Group Ecology Commission, Baroda.
- ORG (1994) Preparation of Taluka-level ecological profiles, Operation Research Group, Study Report sponsored by Gujarat Research Group Ecology Commission, Baroda.
- Oldham, C.F. (1874) Lost river of the Indian Desert. Calcutta review, V.59, 1-27 p.
- Oldham, C.F. (1893) The Saraswati and the 'lost' river of the Indian desert. Jour. Roy. Asit. Soc., N.S.V.25, 49-76 p.
- Oldham, R.D. (1886) On probable changes in the geography of Punjab and its river- an historico-geographical study. Jour. As. Soc. Beng., V.55. 322-343 p.
- Pandey, J., Singh, N.P. Sharma, D.D. , Nath, S.S. and Pareikh, A. K. (1993) Lithostratigraphy of the Cambay basin. ONGC. Unpubl. Report, KDMIPE, India.

- 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.56(A), No.6, 501-511 p.
- Pascoe, E.H (1963) A manual of geology of India and Burma. Geol. Soc. of India Publication Calcutta.
- Patel, M.P. and Desai, S.J. (1988) Environmental significance of the fossil sand dunes of north Gujarat. *Proc. Nat. Sem. Recent Quaternary studies in India*, MSU Baroda, 139-154 p.
- Patel, P.P. (1971) A detail study of the rocks of the Bhatana and Kapasia area of Sirohi Palanpur Dist. (N.Gujarat and S. Rajasthan) with special reference to their structural, metamorphic and igneous activities. Unpub. Ph. D. Thesis, MSU, Baroda.
- Patel, D.N., Patwardhan, A.M. and Powar, K. B. (1982) Structural fabric of the Aravalli-Delhi belt and its control on mineralisation : Sem on Indian lithosphere, structure and evolution. *Abstr.* : 29.
- Patel, M.P., Patel, S.G and Desai, S.J. (1979) Morphology and Palaeoecological significance of the fossil sand dunes around Diyodar in N. Gujarat. *Abstract Nat. Sem. on Quat. Environments with Sp. Ref. to W. India. Dept. of Geology*, MSU, Baroda.
- Patel, M.P. Desai, S. J. and Merh, S.S. (1984) Structural and Metamorphic studies of the Precambrian rocks of Balaram-Swarupguanj area of N.Gujarat and S.W Rajasthan. *Proc. 5th Ind. Geol. Cong.*, 65-75 p.
- Pathan, S.K., Lole, B.S., Narayala, A., Naik, S.D. and Dohare, D.D. (1988) Priority delineation of watersheds for soil conservation using digital analysis of landsat

- data- A case study. (Eds. Singh, S. and Tiwari, R.C.). Allahabad Geographic Soc.
- Peshwa, V.V. and Powar, K.B. (1977) Ultramylonites from Chandrawati and Kui gabbro bodies, Rajasthan. Bull. Ind. Geol. Assoc. V.4, p.1-3.
- Phadhtare, P.N. (1989) Geohydrology of Gujarat state, Western Central Ground Water Board. Unpubl. CGWB, Ahmedabad.
- Phadtare, P.N. and Bradley (1983) Optimum artificial recharge potentials in the alluvial aquifers of the Mehsana area, Gujarat. Proc. Sem. Assessment, development and management of groundwater resources CGWB, New Delhi. V. II, 307-316p.
- Pofali, R.M., Singh, S.K. and Swaminathan, M. (1988). Resource Inventory of the Pench watershed. (Eds. Savindra Singh & R.C.Tiwari). Allahabad Geographical society. 581-592 p.
- Powar, K.B. and Patwardhan, A.M. (1984) Tectonic evolution and base metal mineralisation in Aravalli- Delhi belt, India. Precambrian Res., V.25, 309-323 p.
- Raghunath, H.M. (1987) Groundwater. Wiley Eastern Limited, New Delhi.
- Rajaguru, S.N. (1983) Problem of Late Pleistocene aridity in India. Man and Environment, V.7, 107-111 p.
- Raju, A.T.R. (1982) Depositional environment of oil bearing lower and middle Eocene sands of N.Cambay basin. Bull. ONGC, V.19 No.2.
- Rajyagor, S.B. (1969) Gujarat EK Darshan, Vadodara. 520 p.
- Rao, K.L. (1979) India's water wealth. Orients Longman Limited, New Delhi. 255 p.

- Rao, K.L.N. (1987) Geological study of the northern Cambay basin with special reference to its tectonic framework and depositional environments. Unpubl. Ph.D. Thesis, MSU, Baroda.
- Roychoudhary, S.C., and Mishra, G.S and Ananthanrayan (1970) Occurrence of Deccan Traps in Tharad-Serau area, Northwestern Gujarat. Second Upper Mantle Symposium, Hyderabad.
- Roychoudhary, S.C., Mathur, R.B. and Mishra, G.S. (1972) Subsurface stratigraphy of Tharad-Serau area, Gujarat. Bull. O.N.G.C. V.9, No.2.
- Roy, A.B. and Das, A.R. (1985) A study of time relations between movements, metamorphism and granite emplacement in the middle Proterozoic Delhi Super-Group of Rajasthan. Jour. Geol. Soc. India, V.26, 726-733 p.
- Sareen, B.K., Reddy, N.R.S. and Mathur U.B. (1988) Occurance of "grapestone" in Mehsana district, north Gujarat. Proc. Nat. Sem. Recent Quaternary studies in India, MSU, Baroda, 12-26 p.
- Sareen B.K., Tandon, S.K. and Bhola, A.M. (1993) Slope deviatory alignment stream network and lineament orientation of Sabarmati river system - neotectonic activity in the mid to late Quaternary, Current. Sci., V.64. No.11, 827-836 p.
- Sastry, C.V.S., Singh, G., Bhasin, A.L., Badda, S.N., Patil, B. and Chatruvedi, R.K. (1984). Possible leads for future exploration in Cambay basin. Petrol. Asia. Jour., V.7, No.1, 71-81 p.
- Shah, T.(1993) The Social Science of Water Stress: An exploration study of Water Management Institution in Banaskantha, Gujarat, IRMA, Ahmedabad.
- Sharma, N.L (1931). A preliminary note on the geology of Danta state (N.Gujarat). Quart. Jour. Geol. Min. Met. Soc. India, V.III, No.1 17-28 p.

- Sharma, A.K., Pradhan, I.P., Nema. J.P. and Teiwani K.K. (1981) 25 years research on soil and water conservation in Ravine lands of Gujarat, ICAR, Central Soil and Water Conservation Research and Training Institute. Research centre, Monograph No.2.
- Sharma, J.P., Shyampur, R.L., and Sehgal, J. (1994) National Bureau of soil survey and land use planning, (NBSS & LUP) Nagpur.
- Shingi, P.M., Jajoo B.H., Patel M.S. and Desai Sheela (1994) Rainfall Pattern in Gujarat (1971 to 1990), Working Paper No. 8. Core Group on social forestry, CMA, Indian Institute of Management, Ahmedabad.
- Sinha, B.P.C. (1983) A critical review of the groundwater resource evaluation methodologies and estimates in India. Proc. Semi. Assessment, Development and Management of Groundwater resources, Central Groundwater Board, New Delhi; V.2, 13-25 p.
- Singh, P., Shah, R.B. and Viswanath, B.R. (1983) Water resources, assessment, development and management - A national view. Proc. Nat. Symp. on Remote Sensing in Development and Management of Water Resources, Eds. by Sahai Baldev, Chaturvedi R.S. and Iyer H.S. SAC, Ahmedabad.
- Singh, S. and Agnihotri, S.P. (1987) Rill and Gully erosion in subhumid Tropical ravine environment of Teonthar Tehsil, M.P., India. Geografiska Annaler 69A, 227-236 p.
- Singh, S. (1988) Geomorphology in the Evaluation, Assessment and Management of Natural Resources of an Arid Environment. (Eds. S. Singh and R.C. Tiwari). Geomorphology and Environment. Allahabad Geographical Society, 551-565 p.

- Singh, S. (1992) Geomorphology and Remote sensing in environmental management. Scientific Publication, Jodhpur. p.195-293.
- Singh, Y.D. (1996) Process of Desertification in Kachchh and Banaskantha districts of Gujarat, India (1961-1991). Gujarat Institute of Desert Ecology, Bhuj.
- Singhvi, A.K., Sharma Y.P. and Agarwal D.P. (1982) Thermoluminescence dating of sand dunes in Rajasthan, India. Nature, V-295, 313-315 p.
- Somerville, S.H. and Paul, M.A. (1983) Dictionary of Geotectonics, Butterworths, London. 283 p.
- Sridhar, V., Chamyal, L.S. and Merh S.S. (1994) North Gujarat rivers : Remnants of a super fluvial system. Jour. Geol. Soc. India, V.44, 427-437 p.
- Strahler, A.N. (1981) Physical Geology. Harper and Row, New York, 612 p.
- Suleimnov, A.M., Singh, C.K., Singh, N.K and Deb. S. (1980) Exploration for stratigraphic and lithological traps in north Cambay Basin. ONGC, Unpubl. Report.
- Sukhija, B.S. (1979) Ground water recharge rates in semi-arid regions of India using Environment Tritium". Current trends in arid zone hydrology, Today and Tomorrow Delhi, (Eds. S.K. Gupta and P.K. Sharma). 103-115 P.
- Sychanthavong, S.P.H. and Merh, S.S. (1984) Proto plate Tectonics : The energetic model for the Structural, Metamorphic and Igneous evolution of the Pre-Cambrian rocks, northwest Peninsular India. Spec. Publ. Geol. Surv. India, Vol. 12, 419-457 p.
- TEC, (1995, 1996) Water Resources Planning for the state of Gujarat, Vol I : Main Report, GOG Narmada and Water Resources Dept. Tahal Consultancy Engg. Ltd. in association with GSFLC.

- Tank, R. W. (1973) Focus on Environmental Geology, Oxford University. Press, New York, 534 p.
- Thornbury, W.D. (1984) Principles of Geomorphology. (2nd Ed) Wiley Eastern Ltd, New Delhi.
- Todd, D.K. (1987) Groundwater Hydrology. John Wiley and Sons, Inc., New York, 336 p.
- UNDP (1976) Groundwater survey in Rajasthan and Gujarat, India, Technical Report, United Nations Development Programme, UN, New York.
- Valdiya K.S. (1987) Environmental Geology. Indian Context. McGraw Hill Publishing Company Limited, New Delhi.
- Vohra B.B. (1975) Land management problems in India-Microview. Soil Conservation Digest, V.3, 54-57 p.
- Vohra B.B., (1980) A policy for land and water. Sardar Patel Memorial Lectures, Dept. of Environment, New Delhi, 28 p.
- Wasson, R.J., Rajguru, 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, Sup.1., V.45, 117-151p.
- WRD (1989) Water Resources Dept., Govt. of Gujarat, Published report on Major, Medium and Minor river valley projects of Gujarat, GOG, Gandhinagar.
- Zeuner, F.E. (1963) Environment of Early man with special reference to tropical regions. The Maharaja Sayajirao Memorial Lectures, 1960-61. MSU, Baroda.
- Zornitz, E.R. (1932). Drainage patterns and their significance. Jour. Geology. Vol. 40, 498-591 p.