

## REFERENCES

- Agrawal, S. K. (1956). On the so called Macrocephalus beds of Kutch, Curr. Sci., V. 25, p. 84.
- Agrawal, S. K. (1957). Kutch Mesozoic: A study of the Jurassic of Kutch with special reference to the Jura dome, Jour. of the Palaeont. Soc. India, Lucknow, V. 2, p. 119-130.
- Agrawal, S. K. and Kachhara, R. P. (1979). Habo beds near Ler (Kutch), Biostratigraphy of the beds on the east of Ler, Proc. Ind. Nat. Sci. Acad., V. 45A (2), p. 129-146.
- Aigner, T. (1985). Storm Depositional Systems: Dynamic stratigraphy in modern and ancient shallow marine sequences. In: Lecture Notes in Earth Sciences, (eds.) Friedman, G.M., Neugebauer, H.J. and Seilacher, A.; Springer-Verlag, V. 3, p. 1-174.
- Alpert, S. P. (1975). *Planolites* and *Skolithos* from the Upper Precambrian-Lower Cambrian White-Inyo Mountains, California. Jour. Palaeont., V. 49, p. 508-521.
- Archer, A. W., and Maples, C. G., (1984). Trace-fossil distribution across a marine-to-nonmarine gradient in the Pennsylvanian of southwestern Indiana: Journal of Paleontology, V. 58, p. 448-466.
- Arkell, W. J. (1956). Jurassic Geology of the World. Oliver and Boyd, pp. 806.
- Badve, R. M. and Ghare, M. A. (1978). Jurassic Ichnofauna of Kutch – I. Biovigyanam, V. 4, p. 125-140.
- Balgopal, A. T. (1973). Classification of Patcham and Chari limestones in Jhura and Habo domes, Kutch, Gujarat State, with a note on 'golden oolites'. Quart. Jour. Geol. M. M. Soc. India. V. 44(2), p. 78-81.
- Ball, M. M. (1967). Carbonate sand bodies of Florida and the Bahamas. Jour. Sedim. Petrol., V. 37, p. 556-591.
- Bambach, R. K. (1983). Ecospace utilization and guilds in marine communities through the Phanerozoic. In Biotic interactions in recent and fossils benthic communities, Tevesz M. J. S. and McCall P. L. (eds), New York, London: Plenum press, p. 719-746.
- Bandel K. (1967). Trace fossils form two Upper Pennsylvanian sandstones in Kansas. Univ. Kansas Paleont. Contrib., Paper 18, p. 1-13.
- Bandel, K. (1973). A new name for the ichnogenus *Cylindrichnus* Bandel, 1967. Jour. Paleontology, V. 47, p. 1002.
- Barrell, J. (1917). Rhythms and the measurements of geological time. Geological Society of America Bulletin, V. 28, p. 745-904.

- Barwis, J. H. (1985). Tubes of the modern polychaete *Diopatra cuprea* as current velocity indicators and as analogs for *Skolithos-Monocraterion*. in Biogenic structures; their use in interpreting depositional environments, (Ed. Curran, H. A.), Special Publication - Society of Economic Paleontologists and Mineralogists, V. 35, p. 225-235.
- Basan, P. B. (Ed.) (1978). Trace Fossil Concepts, Society of Economic Paleontologists and Mineralogists, Short Course 5, pp. 181.
- Belperio, A. P., Gostin, V. A., Cann, J. H. and Murray-Wallace, C. V. (1988). Sediment-organism zonation and the evolution of Holocene tidal sequences in southern Australia. In: de Boer, P.L., Van Gelder, A., Nio, S.D. (Eds.). Tide-influenced sedimentary environments and facies. D. Reidel, Dordrecht, p. 475-497.
- Bernberg, G. R. and Schott, W. (1963). Jurassic and Cretaceous at the Western Border of the Gondwana Shield in India, and Stratigraphy and oil possibilities. Proc. Sym. Deve. Petrol. Res. Asia and Far East, Min. Res. Dev. Ser. No. 18, V. 1, p. 230-236.
- Bhatt, N. Y. (1996). Ichnologic and Stratigraphic Events as Revealed by Mesozoic Sedimentary Rocks exposed South and Southeast of Bhuj, Kutch, Gujarat State. (Unpublished) Ph.D. Thesis submitted to M.S. University of Baroda. pp. 547.
- Billings, E. (1862). New species of fossils from different parts of the Lower, Middle and Upper Silurian rocks of Canada. – In: Palaeozoic Fossils, Montreal (Geological Survey of Canada, Dawson Brothers), V. I, (1861-1865): p. 96-168.
- Binney, E. W. (1852). On some trails and holes found in rocks of the Carboniferous strata, with remarks on the *Microconchus carbonarius*. Manchester Lit. Philos. Soc., Mem. & Proc., ser. 2, V. 10, p. 181-201.
- Biswas, S. K. (1971). Note on the Geology of Kutch, Quart. Jour. Geol. Min. Met. Soc. India, V. 43, p. 223-236.
- Biswas, S. K. (1973). Note on the Geology of Kutch. Quart. Jour. Geol. Min. Metl. Soc. India, V. 43 (4) (for 1971), p. 223-235.
- Biswas, S. K. (1974). Landscape of Kutch – A Morphotectonic Analysis. Indian Journal of Earth Sciences, V. 1, p.177-190.
- Biswas, S. K. (1977a). Mesozoic rock stratigraphy of Kutch, Gujarat, Quart. Jour. Geol. Min. Met. Soc. India, V. 49, No. 3 & 4, p. 1-52.
- Biswas, S. K. (1977b). Landscape of Kutch - A morphotectonic analysis. Ind. Jour. of Earth Sc., V. 1, p. 177-190.
- Biswas, S. K. (1978). On the status of the Bhuj and Umia series of Kutch, W. India, Proc. 7th Ind. Colloq. on Micropalaeon. and Stratigr., Madras.
- Biswas, S. K. (1980a). Mesozoic rock-stratigraphy of Kutch, Gujarat. Quart. Jour. Geol. Min. Metallurg. Soc. India, V. 49, p. 1-52.

- Biswas, S. K. (1980b). Structures of Kutch-Kathiawar Region, Western India, Proc. 3rd Ind. Geol. Cong., Poona, p. 255-272.
- Biswas, S. K. (1981). Basin framework, palaeo-environment and depositional history of the Mesozoic sediments of Kutch basin, Western India, Quart. Geol. Min. Met. Soc. India, V. 53, p. 56-85.
- Biswas, S. K. (1982a). Western rift basins of India and hydrocarbon prospects, Oil and Gas Jour., p. 224-232.
- Biswas, S. K. (1982b). Rift basins in Western margins of India with special reference to Kutch basin and its hydrocarbon prospects, Bull. A. A. P. G., V. 66, p. 1497-1513.
- Biswas, S. K. (1983). Cretaceous stratigraphy of Kutch and Kathiawar region, Proc. Symp. Cretaceous Stratigraphy of India, Ind. Asso. Palynostratigraphers, Lucknow.
- Biswas, S. K. (1987). Regional tectonic framework, structure and evolution of the western marginal basins of India, Tectonophysics, V. 135, p. 307-327.
- Biswas, S. K. (1991). Stratigraphy and sedimentary evolution of the Mesozoic basin of Kutch, western India, In Proceedings of Seminar on Sedimentary Basins of India, Nainital, (Eds), Tandon, S. K., Pant, C. C. and Casshyap, S. M., Gyanodaya Prakashan, Nainital, p.74-103.
- Biswas, S. K. (1993). Geology of Kutch, KDM Institute of Petroleum Exploration, Dehradun, pp. 450.
- Biswas, S. K. (2005). A review of structure and tectonics of Kutch basin, western India, with special reference to Earthquakes, Special section: Intraplate Seismicity, Current Science, V. 88, p. 1592-1600.
- Biswas, S. K. and Deshpande, S. V. (1968). The basement of the Mesozoic sediments of Kutch, Western India, Bull. Min. Met. Soc. India, V. 40, p. 1-7.
- Biswas, S. K. and Deshpande, S. V. (1970). Geological and Tectonic map of Kutch. Bull. O. N. G. C., V. 7, p. 115-123.
- Biswas, S. K. and Deshpande, S. V. (1973). Mode of eruption of Deccan Trap lavas with special reference of Kutch. J.Geol.Soc. India, V. 14, p. 134-141.
- 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 (Editors), Petroliferous Basins of India. Pet. Asia J., V. 6(4), p. 111-126.
- Blanford, W. T. (1867). On the Geology of a portion of Cutch, Mem. Geol. Sur. India, vol. VI, pt. 2, p. 17-38.

- Bose, P. K., Shome, S., Bardhan, S. and Ghosh, G. (1986). Facies mosaic in the Ghuneri Member (Jurassic) of the Bhuj Formation, Western Kutch, India., *Sed. Geol.*, V. 46, p. 293-309.
- Bottjer, D. J. (ed.) (1984). *Thalassinoides* in the Paleozoic. *GSA Abst. Prog.*, 16. V. 6, p. 451-452.
- Bottjer, D. J., Droser, M. L. and Jablonski, D. (1987). Bathymetric trends in the history of trace fossils. In: D.J. Bottjer et al. (Eds.), *New Concepts in the Use of Biogenic Sedimentary Structures for Palaeoenvironmental Interpretation*. SEPM. Pacific Section, Los Angeles. p. 57-65.
- Brady, L. F. (1947). Invertebrate tracks from the Coconino sandstone of Northern Arizona. *Jour. Paleontology*, V. 21, p. 466-472.
- Brett, C. E. and Baird, G. C. (1986). Comparative taphonomy: a key to paleoenvironmental interpretation based on fossil preservation. *Palaios*, V. 1, p. 207-227.
- Brett, C. E., (1995). Sequence stratigraphy, biostratigraphy, and taphonomy in shallow marine environments. *Palaios*. V. 10, p. 597-616.
- Bromley, R. G. (1990). *Trace Fossils: Biology and Taphonomy*. Unwin Hyman, London, pp. 280.
- Bromley, R. G. (1996). Trace fossil assemblages, diversity and facies. In: R.G. Bromley (Ed.) *Trace fossils – Biology, Taphonomy and Applications*, Chapman & Hall, London, p. 235-240.
- Bromley, R. G. and Asgaard, U. (1972). Notes on Greenland Trace Fossils-III, a large radiating burrow system in Jurassic micaceous sandstones of Jameson Land, East Greenland. *Greenlands Geol. Undersogelse Report*; V. 49; p. 23-30.
- Bromley, R. G. and Ekdale, A. A. (1984). *Chondrites*: A trace fossil indicator of anoxia in sediments. *Science*; V. 224; p. 872-874.
- Bromley, R. G. and Fursich, F. T. (1980). Comments on the proposed amendments to the international Code of zoological nomenclature regarding ichnotaxa. *Z.N. (S.) 1973. Bull. Zool. Nomencl.* V. 37, p. 6-10.
- Bromley, R. G. and Goldring, R. (1992). The palaeoburrows at the Cretaceous to Palaeocene firmground unconformity in southern England. *Tertiary Research*, V. 13, p. 95-102.
- Bromley, R. G., Pemberton, S. G. and Rahmani, R. A. (1984). A Cretaceous woodground: the *Teredolites* ichnofacies. *Journal of Paleontology*, V. 58, p. 488-498.
- Brongniart, A. T. (1828). *Histoire des vegetaux fossils ou recherches botaniques et geologiques sur les vegetaux renfermes dans les diverses couches du globe*, Paris, (G.Dufour & E.d'Ocagne) V. 1, pp. 136.

- Brongniart, A. T. (1849). Tableau des genres de vegetaux fossile consideres sous le point de vue de leur classification botanique et de leur distribution geologique. Dictionnaire Univ. Histoire Nat., V. 13, p. 1-127 (52-176).
- Brongniart, A. T. (1923). Observations sur les Fucoids. Societe d'Histoire Naturelle de Paris, Memoire 1, Paris, p. 310-320.
- Brown, L. F. Jr. and Fisher, W. L. (1977). Seismic stratigraphic interpretation of depositional systems: examples from Brazilian rift and pull apart basins. In Seismic Stratigraphy–Applications to Hydrocarbon Exploration (C. E. Payton, Ed.), American Association of Petroleum Geologists Memoir 26, p. 213-248.
- Buckman, J. O (1990). *Rhizocorallium* and its environmental significance in 13th International sedimentological congress; Abstracts of papers, International Sedimentological Congress, V. 13, p. 69-70.
- Buckman, J. O. (1995). A comment on annulated forms of *Paleophycus* HALL, 1847 with particular reference to *P. annulatus* Pemberton and Frey 1982 and erection of *P. crenulatus* Ichnosp. nov. Ichnos; V. 4, p. 131-140.
- Busch, D. A. (1974). Stratigraphic traps in Sandstone – Exploration Techniques, Mem. 21, Amer. Aetrol. Geol. Tulsa, Okla.
- Casshyap, S. M., Dev, P., Tewari, R. C. and Raghuvanshi, A. K. S. (1983). Ichnofossils from Bhuj Formation (Cretaceous) as palaeoenvironmental parameters, Curr. Sci., V. 52, p. 73-74.
- Catuneanu, O. (2002). Sequence stratigraphy of clastic systems: concepts, merits, and pitfalls. Journal of African Earth Sciences, V. 35/1, p. 1-43.
- Catuneanu, O. (2006). Principles of sequence stratigraphy. 1st ed. Elsevier, pp. 375.
- Catuneanu, O., Abreu V., Bhattacharya, J.P. , Blum, M.D. , Dalrymple, R.W. , Eriksson, P.G. , Fielding, C.R. , Fisher, W.L., Galloway, W.E., Gibling, M.R., Giles, K.A., Holbrook, J.M., Jordan, R., Kendall, C.G.St.C., Macurda, B., Martinsen, O.J., Miall, A.D., Neal, J.E., Nummedal, D., Pomar, L., Posamentier, H.W., Pratt, B.R., Sarg, J.F., Shanley, K.W., Steel, R.J., Strasser, A., Tucker M.E. and Winker C. (2009). Towards the standardization of sequence stratigraphy. Earth-science reviews V. 92, p. 1-33.
- Chamberlain, C. K. (1971). Morphology and ethology of trace fossils from Quachita mountains Southeast Oklahoma. Jour Paleont; V. 45, p. 212-246.
- Chamberlain, C. K. (1977). Ordovician and Devonian Trace fossils from Nevada. Neva. Bull Min Geol.; V. 90, p. 1-24.
- Chiplonkar, G. W. and Badve, R. M. (1970). Trace fossils from the Bagh beds. Jour. Paleo. Soc. India. V. 11, p. 1-10.
- Christie-Blick, N. (1991). Onlap, offlap, and the origin of unconformity bounded depositional sequences. Marine Geology, V. 97, p. 35-56.

- Collinson, J. D. and Thompson, D. B. (1982). Sedimentary Structures. George Allen & Unwin, London, pp. 194.
- Cox, L. R. (1940). The Jurassic Lamellibranch fauna of Cutch. *Palaeontol. Indica Geol. Surv. India*, Ser. 9, V. 3(3), p. 157.
- Cox, L. R. (1952). The Jurassic Lamellibranch fauna of Kutch (Kachh).
- Crimes, T. P. and Anderson, M. M. (1985). Trace fossils from Late Precambrian-Early Cambrian of southeastern Newfoundland (Canada). Temporal and environmental implications. *Jour. Paleon., Lawrence, Ka*, V. 59, p. 310-343.
- Crimes, T. P. (1977). Trace fossils in an Eocene deep-sea sand fan northern Spain. In: T.P. Crimes & J.C. Harper (Eds.) *Trace Fossils - 2. Geol. Journal, Spec. Issue*; V. 9; p. 71-90.
- Crimes, T. P. (1987). Trace fossils and correlation of late Pre-cambrian and early Cambrian strata. *Geological Magazine* 124, London, p. 97-119.
- Crimes, T. P., Goldring, R., Homewood, P., van Stuijvenberg, J. and Winkler, W. (1981). Trace fossil assemblages of deep-sea fan deposits, Grunigel and Schlieren flysch (Cretaceous-Eocene, Switzerland). *Eclogae Geologicae Helvetiae*; V. 74; p. 953-995.
- Curry, J. R. (1964). Transgressions and regressions. In *Papers in Marine Geology* (R. L. Miller, Ed.), New York, Macmillan, p. 175-203.
- D'Alessandro, A. and Bromley, R. G. (1987). Meniscate trace fossils and *Muensteria-Taenidium* problem. *Paleontology*; V. 30; p. 743-763.
- Dam, G. (1990). Palaeoenvironmental significance of trace fossils from the shallow marine Lower Jurassic Neill Klint Formation, East Greenland. *Palaeogeography, Palaeoclimatology, Palaeoecology*, V. 79, p. 221-248.
- Decourten, F. L. (1978). *Scolecocoprus cameronensis* Brady (1947) from the Kaibab Limestone of northern Arizona; a re-interpretation. *Journal of Paleontology*; V. 52; p. 491-493.
- Desai, B. G. (2003). Animal-Sediment relationship of the two benthic communities [Crustacean and Polychaetes] in the intertidal zone near Mandvi, Gulf of Kachchh, Unpublished thesis M. S. University of Baroda; pp. 231.
- Desai, B. G., Patel, S. J., Shukla, R. and Surve, D. (2008). Analysis of Ichnoguilds and their Significance in Interpreting Ichnological Events: A Study from Jhuran Formation (Upper Jurassic), Western Kachchh. *Jour. Geol. Soc. India*. V. 72, p. 458-466.
- Dominguez, J. M. L. and Wanless, H. R. (1991). Facies architecture of a falling sea-level strandplain, Doce River coast, Brazil. In *Shelf Sand and Sandstone Bodies: Geometry, Facies and Sequence Stratigraphy* (D. J. P. Swift, G. F. Oertel, R. W. Tillman and J. A. Thorne, Eds.), International Association of Sedimentologists, Special Publication 14, p. 259-281.

- Dorjes, J. and Hertweck G. (1975). Recent biocoenoses and ichnocoenoses in shallow-water marine environments. In the study of trace fossils, Frey R.W. (ed.), New York: Springer Verlag, p. 459-491.
- Eagar, R. M. C., Baines, J. G., Collinson, J. D., Hardy, P. G., Okolo, S. A., and Pollard, J. E. (1985). Deltaic sediments of the Central Pennine Basin, England. In: H. A. Curran (ed). Biogenic structures: Their use in interpreting depositional environments. SEPM, USA, p. 99-150.
- Ekdale, A. A. (1985a). Paleoecology of the marine endobenthos. *Palaeogeography, Palaeoclimatology, Palaeoecology*, V. 50, p. 63-81.
- Ekdale, A. A. (1985b). Trace fossils and mid-Cretaceous anoxic events in the Atlantic ocean. In: Curran, A.H. (Ed.), *Biogenic Structures: Their Use in Interpreting Depositional Environments*, Society of Economic Paleontologists and Mineralogists, Special Publication, V. 35, p. 333-342.
- Ekdale, A. A. and Lewis, D. W. (1991). The New Zealand *Zoophycos* revisited: morphology, ethology and paleoecology. *Ichnos*, V. 1, p. 183-194.
- Ekdale, A. A. and Mason, T. R. (1988). Characteristic trace fossil assemblages in oxygen-poor sedimentary environments. *Geology*, V. 16, p. 720-723.
- Ekdale, A. A., Bromley, R. G. and Pemberton, S. G. (1984). *Ichnology: Trace Fossils in Sedimentology and Stratigraphy*, Society of Economic Paleontologists and Mineralogists, Short Course 15, pp. 317.
- Embry, A. F. (2001). Sequence stratigraphy: what it is, why it works and how to use it. *Reservoir* (Canadian Society of Petroleum Geologists), Issue 8, V. 28, p. 1-15.
- Embry, A. F. and Johannessen, E. P. (1992). T-R sequence stratigraphy, facies analysis and reservoir distribution in the uppermost Triassic-Lower Jurassic succession, western Sverdrup Basin, Arctic Canada. In *Arctic Geology and Petroleum Potential* (T. O. Vorren, E. Bergsager, O. A. Dahl-Stamnes, E. Holter, B. Johansen, E. Lie and T. B. Lund, Eds.), Norwegian Petroleum Society (NPF), Special Publication 2. p. 121-146.
- Embry, A. F. (1993). Transgressive-regressive (T-R) sequence analysis of the Jurassic succession of the Sverdrup Basin. *Canadian Arctic Archipelago. Canad. J. Earth Sci.* V. 30, p. 301-320.
- Embry, A. F. (1995). Sequence boundaries and sequence hierarchies: problems and proposals. In: Steel, R.J., Felt, V.L., Johannessen, E.P., Mathieu, C. (Eds.), *Sequence stratigraphy on the Northwest European Margin*. Special Publication, V. 5, Norwegian Petroleum Society, p. 1-11.
- Emery, D. and Myers, K. J. (1996). *Sequence Stratigraphy*. Oxford, U. K., Blackwell, pp. 297.

- Emmons, E. (1844). The Taconic System; Based on Observations in New York, Massachusetts, Maine, Vermont, and Rhode-Island. Albany, Carroll and Cook, pp. 68.
- Fedonkin, M. A. (1980). Iskopaemiye sliedy dokiembriyskoy metazoan (Fossil traces of Precambrian Metazoa). Izvestiya Akademii Nauk SSSR, Geology Series 1, Moskva (in Russian), p. 39-46.
- Fillion, D. (1989). Les criteres discriminants L' INTERIEUR DU TRITYQUE *Palaeophycus-Planolites-Macaronichmus*. Essai de synthese d'un usage critique. Comptes Rendus de l'Academie des Sciences de Paris, Serie 2; V. 309; p. 169-172.
- Fillion, D and Pickerill, R. K. (1990). Ichnology of the Upper Cambrian? To Lower Ordovician Bell Island and Wabana groups of New Foundland, Canada. Paleont. Canada; V. 7, p. 1-119.
- Firion, F. (1958). Sur la presence d'ichnites dans le Portlandien de l'île d'Oleron (Charente maritime). Ann. Univ. Saraviens. (Naturw.), V. 7, p. 107-112.
- Fischer-Ooster, C. (1858). Die fossilen Fucoiden der Schweizer Alpen, nebst Erörterungen über deren geologisches Alter. Bern (Huber), V. 72.
- Flessa, K. W. and Ekdale, A. A. (1987). Paleocology and taphonomy of recent to Pleistocene intertidal deposits, Gulf of California. In: Flessa, K.W. (Eds.). Paleocology and taphonomy of recent to Pleistocene intertidal deposits, Gulf of California. Paleontological Society, p. 2-33.
- Folk, R. L. (1962). Spectral subdivision of limestone types. In: Classification of Carbonate Rocks (Ed. By W.E. Ham) Mem. Am. Ass. Petrol. Geol. V. 1, p. 62-84.
- Follmi, K. B. and Grimm, K. A. (1990). Doomed pioneers: Gravity flow deposition and bioturbation in marine oxygen-deficient environments. Geology; V. 18, p. 1069-1072.
- Frazier, D. E. (1974). Depositional episodes: their relationship to the Quaternary stratigraphic framework in the northwestern portion of the Gulf Basin. University of Texas at Austin, Bureau of Economic Geology, Geological Circular, V. 4(1), p. 1-28.
- Frey, R. W. (1970). Environmental significance of recent marine lebensspuren near Beaufort, North Carolina, Journal of Paleontology, V. 44, p. 507-519.
- Frey, R. W. (1971). Ichnology - the study of fossil and recent lebenssp'aren. In: Perkins, B. F. (Ed.), A Field Guide to Selected Localities in Pennsylvanian, Permian, Cretaceous, and Tertiary Rocks of Texas and Related Papers. Louisiana State University, Miscellaneous Publication 71-1, p. 91-125.
- Frey, R. W. (1973). Concepts in the study of biogenic sedimentary structures. Journal of Sedimentary Petrology, V. 43, p. 6-19.
- Frey, R. W. (1975). The realm of ichnology, its strengths and limitations. In: Frey, R.W. (ed.), the study of trace fossils, Springer-Verlag, New York; p. 13-38.

- Frey, R. W. (1990). Trace fossils and hummocky cross-stratification, Upper Cretaceous of Utah. *Palaios*, V. 5, p. 203-218.
- Frey, R. W. and Bromley, R. G. (1985). Ichnology of American chalks. The Selma Group (Upper Cretaceous), western Alabama. *Canad. Jour. Earth Sci.*, V. 22. P. 801-828.
- Frey, R. W. and Goldring R. (1992). Marine event beds and recolonization surfaces as revealed by trace fossil analysis: *Geological Magazine*, V. 129, p. 325-335.
- Frey, R. W. and Howard J. D. (1990). Trace fossils and depositional sequences in a clastic shelf setting, Upper Cretaceous of Utah: *Journal of Paleontology*, V. 64, p. 803-820.
- Frey, R.W. and Pemberton S. G. (1984). Trace fossil facies models, in R.G. Walker, ed., *Facies models* (2nd ed.): Geoscience Canada, Reprint Series 1, p. 189-207.
- Frey, R. W. and Pemberton S. G. (1985). Biogenic structures in outcrops and cores I - approaches to ichnology: *Bulletin of Canadian Petroleum Geology*, V. 3, p. 72-115.
- Frey, R. W. and Seilacher A. (1980). Uniformity in marine invertebrate ichnology: *Lethaia*, V. 13, p. 183-207.
- Frey, R. W., Howard, J. D., and Pryor W. A. (1978). Ophiomorpha: its morphologic, taxonomic, and environmental significance. *Palaeogeogr., Palaeoclimato., Palaeoecol.* V. 23, p. 199-229.
- Frey, R. W., Howard, J. D. and Hong, J. S. (1987). Prevalent lebensspuren on a modern microtidal flat, Inchon, Korea: ethological and environmental significance. *Palaios*; V. 2, p. 571-593.
- Frey, R. W., Pemberton, S. G. and Fagerstrom, J. A. (1984). Morphological, ethological and environmental significance of the ichnogenera *Scoyenia* and *Anchorichnus*. *Jour. of Paleont.*; V. 58, p. 511-528.
- Frey, R. W., Pemberton, S. G. and Saunders, T. D. A. (1990). Ichnofacies and bathymetry: a passive relationship. *Journal of Paleontology*, V. 64, p. 155-158.
- Fu, S. (1991). Funktion, Verhalten und Einteilung fucoider und lophoctenoider Lebensspuren. *Cour. Forsch. Inst. Senckenberg*. V. 135, p. 1-79.
- Fuchs, T. (1895). Studien u"ber Fucoiden und Hieroglyphen. *Denkschriften der k.k. Akademie der Wissenschaften in Wien, mathematisch-naturwissenschaftliche Klasse*, 62, p. 369-448.
- Fursich, F. T. (1974a). On *Diplocraterion* TORELL, 1870 and significance of morphological features in vertical, spreiten bearing, U-shaped trace fossils. *Jour. Paleont.* V. 48; p. 952-962.
- Fursich, F. T (1974b). Corallian (Upper Jurassic) trace fossils from England and Normandy., *Stuttg. Beitr. Zur., Natutr. Ser. B*; V. 13, p. 1-51.

- Fursich, F. T (1974c). Ichnogenus *Rhizocorallium* Paleont. Zeits., V. 48; p. 16-28.
- Fursich, F. T. (1974d). Trace fossils as environmental indicators in the Corallian of England and Normandy, Lethaia, V. 8, p. 151-172.
- Fursich, F. T. (1998). Environmental distribution of Trace fossils in the Jurassic of Kachchh (Western India). Facies, V. 39, p. 243-272.
- Fursich, F. T., Oschmann, W., Jaitley, A. K. and Singh, I. B. (1991) Faunal response to transgressive-regressive cycles: examples from the Jurassic of western India. Palaeogeog. Palaeoclim. Palaeoeco., V. 85, p. 149-159.
- Fursich, F. T. and Heinberg, C. (1983). Sedimentology, biostratigraphy and palaeoecology of an Upper Jurassic offshore sand bar complex. Bull. Geol. Soc. Denmark; V. 32; p. 67-95.
- Fursich, F. T. and Oschmann, W. (1993). Shell beds as tools in basin analysis: the Jurassic of Kachchh, western India. Jour. Geol. Soc. London, V. 150, p. 169-185.
- Fursich, F. T. and Pandey, D. K. (2003). Sequence stratigraphic significance of sedimentary cycles and shell concentrations in the Upper-Lower Cretaceous of Kachchh, western India. Palaeogeogr., Palaeoclimatol., Palaeoecol., V. 193, p. 285-309.
- Fursich, F. T., Oschmann, W., Singh, I. B. and Jaitly A. K. (1992). Hardgrounds, reworked concretion levels, and condensed horizons in the Jurassic on Western India and their significance for basin analysis. Jour. Geol. Soc. London, V. 149, p. 313-331.
- Fursich, F. T., Pandey, D. K., Oschmann, W., Jaitly, A. K. and Singh, I. B. (1994). Contributions to the Jurassic of Kachchh, Western India. II. Bathonian stratigraphy and depositional environment of the Sadhara Dome, Panchcham Island. Beringeria, V. 12, p. 95-125.
- Fursich, F. T., Pandey, D. K., Callomon, J. H., Jaitly A. K. and Singh I. B. (2001). Marker beds in the Jurassic of the Kachchh Basin, western India: their depositional environment and sequence-stratigraphic significance. Jour. Pal. Soc. India, V. 46, p. 173-198.
- Galloway, W. E. (1989). Genetic stratigraphic sequences in basin analysis, I. Architecture and genesis of flooding-surface bounded depositional units. American Association of Petroleum Geologists Bulletin, V. 73, p. 125-142.
- Galloway, W. E. (2001). The many faces of submarine erosion: theory meets reality in selection of sequence boundaries. A. A. P. G. Hedberg Research Conference on Sequence Stratigraphic and Allostratigraphic Principles and Concepts, Dallas, August 26-29, Program and Abstracts Volume, p. 28-29.
- Galloway, W. E. (2004). Accommodation and the sequence stratigraphic paradigm. Reservoir, Canadian Society of Petroleum Geologists, V. 31, p. 9-10.
- Gerard, R. F. and Bromley R. G. (2008). Ichnofabrics in Clastic sediments: Applications to sedimentological core studies, A practical guide, ISBN: 978-84-612-7231-0, p.100.



Ghare, M. A. and Kulkarni, K. G. (1986). Jurassic Ichnofauna of Kutch- II: Wagad Region, Biovigyanam, V. 12, p. 44-62.

Ghevariya, Z. G. and Srikarni, C. (1990). Chandigarh Symposium, edited by A. Sahni and A. Jolly, p. 106.

Ghibaudo, G., Grandesso, P., Massari, F. and Uchman, A. (1996). Use of trace fossils in delineating sequence stratigraphic surfaces (Tertiary Venetian Basin, northeastern Italy). Palaeogeography, Palaeoclimatology, Palaeoecology, V. 120, p. 261-279.

Ghosh, D. N. (1969a). Depositional environment in the development of Patcham-Chari sequence in Kutch. Proc. 56th Ind. Sci. Congr., Abstr., pp. 214.

Ghosh, D. N. (1969b). Biostratigraphic classification of the Patcham-Chari sequence at the Jumara section, Kutch. Proc. 56th Ind. Sci. Cong., pp. 214.

Gibert, J. M. de. and Benner, J. S. (2002). The trace fossil *Gyrochorte*: ethology and paleoecology. Revista Española de Paleontología; V. 17, p. 1-12.

Glocker, E.F. (1841). Über eine neue ratselhafte Versteinerung aus dem thonigen Spharosiderit der Karpathensandsteinformation im Gebiete der Beskiden, nebst vorangeschickten Bemerkungen über die Versteiner dieses Gebietes überhaupt. Nova Acta Academiae Caesareae Leopoldino-Carolinae Germanicae Naturae Curiosorum, 19, p. 675-700.

Gostin, V. A., Hails, J. R. and Belperio, A. P., (1984). The sedimentary framework of northern Spencer Gulf, south Australia. Marine Geology, V. 61, p. 113-138.

Götzinger, G. H. and Becker, H. (1932). Zur geologischen Gliederung des Wienerwaldflysches (Neue Fossilfunde). Jahrb. Geol. Bundesanst.; V. 82, p. 343-396.

Grabau, A. W. (1913). Principles of Stratigraphy. A. G. Seiler, New York, pp. 1185.

Grant, C.W. (1840). Memoir to illustrate a geological map of Kutch., Trans. Geol. Soc. London., Ser. 14, V. 5(2), p. 289-329.

Gutschick, R. C. and Rodriguex L. (1975). *Bifungites*, trace fossils from Devonian-Mississippian rocks of Pennsylvania and Montana. Palaeogeogr. Paleoclimato. Palaeoeco., V. 18, p. 193-212.

Hakes, W. G. (1976). Trace fossils in Late Pennsylvanian Cyclothems, Kansas, In: Crimes T. P. and Harper, J. (eds.) Trace fossils -II; p. 209-226.

Hakes, W. G. (1976). Trace fossils and depositional environments of four clastic units, Upper Pennsylvanian, megacyclotherms, northeast Kansas, Univ. Kansas Paleont. Contrib. V. 63, p. 1-46.

Haldeman, S. S. (1840). Supplement to number one of 'A monograph of the Limniades, and other freshwater univalve shells of North America,' containing descriptions of

apparently new animals in different classes, and the names and characters of the subgenera in Paludina and Anculosa. P. 3.

Hall, J. (1847). Palaeontology of New York, Albany, State of New York, (C. Van Benthuyssen) V. 1, pp. 338.

Hall, J. (1852). Palaeontology of New York, Albany, State of New York (C. Van Benthuyssen) V. 2, pp. 362.

Hall, J. (1863). Observations upon some spiral growing fucoidal remains of the Paleozoic rocks of New York. New York State Cabinet, 16th Annual Report, p. 76–83.

Hallam, A. & Swett, K. (1966). Trace fossils from the Lower Cambrian Pipe Rock of the north-west Highlands. Scottish Journal of Geology 2: p. 101–106.

Häntzschel, W. (1962). Trace fossils and problematica. In: R.C. Moore (Ed.), Treatise on Invertebrate Palaeontology. Lawrence. p. 177-259.

Hantzschel, W. (1975). Trace fossils and problematica, In I. C. Teichert (ed.), Treatise on invertebrate palaeontology 2nd Edition, W. Boulder, Colorado and Lawrence, Kansas; part W, Miscellanea, Suppl. I. Geological Society of America and University of Kansas Press, Lawrence. p. 1-269.

Haq, B. U., Hardenbol, J. and Vail, P. R. (1987). Chronology of fluctuating sea levels since the Triassic (250 million years ago to present). Science, V. 235, p. 1156–1166.

Hardas, M. G. (1968). Geology of the area to the South and Southwest of Bhuj, Dist. Kutch, Gujarat, with special reference to its stratigraphy, sedimentation and structure (Unpublished) Ph.D. Thesis submitted to M.S. University of Baroda.

Hart, B. S. and Flint, A. G. (1989). Gravelly shoreface deposits: a comparison of modern and ancient facies sequences. Sedimentology; V. 36; p. 551-557.

Heer, O. (1865). Die Urwelt der Schweiz. F. Schulthess (Zurich). pp. 622.

Heer, O. (1877). Flora Fossilis Helvetiae. Die vorweltliche Flora der Schweiz. J. Wurster and Co. (Zurich). pp. 182.

Heinberg, C. and Birkelund, T. (1984). Trace-fossil assemblages and basin evolution of the Vardekloft formation (Middle Jurassic, central East Greenland). Jour. Paleont., V. 58, p. 362-397.

Heinberg, G. (1974). A dynamic model for a meniscus filled tunnel (*Ancorichnus* n. ichnogenus) from the Jurassic Pecten Sandstone of Milne Land, East Greenland. Rap. Gronlands geol. Unders, V. 62, p. 1-20.

Helland-Hansen, W. and Gjølberg, J. G. (1994). Conceptual basis and variability in sequence stratigraphy: a different perspective. Sedimentary Geology 92, p. 31–52.

- Helland-Hansen, W., and Martinsen, O. J. (1996). Shoreline trajectories and sequences: description of variable depositional-dip scenarios. *Journal of Sedimentary Research*, V. 66, p. 670-688.
- Hitchcock, E. (1858). *Ichnology of New England: A Report on the Sandstone of the Connecticut Valley, Especially its Fossil Footmarks*, W. White, Boston, pp. 220.
- Holland, S. M., (1993). Sequence stratigraphy of carbonate-clastic ramp: The Cincinnati Series (Upper Ordovician in its type area). *Geol. Soc. Amer., Bull.* 105, p. 306-322.
- Howard, J. D. and Singh, I. B. (1985). Trace fossils in the Mesozoic sediments of Kachchh, Western India., *Palaeogeogr. Palaeoclimat. Palaeoecol.*, V. 52, p. 99-122.
- Howard, J. D. and Frey, R. W. (1984). Characteristic trace-fossils in nearshore to offshore sequences, Upper Cretaceous of east-central Utah. *Canadian Jour. Earth Sci.*, V. 21, p. 200-219.
- Hunt, D. and Tucker, M. E. (1992). Stranded parasequences and the forced regressive wedge systems tract: deposition during baselevel fall. *Sedimentary Geology*, V. 81, p. 1-9.
- Hunt, D. and Tucker, M. E. (1995). Stranded parasequences and the forced regressive wedge systems tract: deposition during baselevel fall - reply. *Sedimentary Geology*, V. 95, p. 147-160.
- Jai Krishna, (1983). Reappraisal of the marine and/or "mixed" Lower Cretaceous sedimentary sequences of India: palaeogeography and time boundaries., In *Cretaceous of India*, Ind. Asso. Palynostrati., Lucknow, p. 94-119.
- Jai Krishna, (1984). Current status of the Jurassic stratigraphy in Kachchh, Western India. *Int. Symp. On Jurassic Stratigraphy, Copenhagen*, V. 3, p. 731-742.
- Jai Krishna, (1987). An overview of the Mesozoic stratigraphy of Kachchh and Jaisalmer, *Jour. Pal. Soc. India*. V. 32, p. 136-149.
- Jai Krishna, and Pathak, D. B. (1989). Kimmeridgian in Ler Katrol area of Kachchh, Western India: ammonoid systematics and biochronology. *28th Internat. Geol. Congr., Washington (abstr.)*, V. 2(2), p. 228-229.
- Jai Krishna, Singh, I. B., Howard, J. D. and Jafar, S. A. (1983). Implications of new data on Mesozoic rocks of Kachchh, Western India., *Nature*, V. 305, p. 790-792.
- Jai Krishna, Pathak, D. B. and Pandey, B. (1998). Development of Oxfordian (Early Upper Jurassic) in the most proximally exposed part of Kachchh Basin at Wagad outside the Kachchh Mainland. *Jour. Geol. Soc. India*, V. 52, p. 513-522.
- Jaitly, A. K. and Singh, C.S.P. (1983). Discovery of the Late Bajocian 'Leptosphinctes' Buckman (Jurassic Ammonitina) from Kachchh, Western India. *Neues. Jahrb. Geol. Paleontol. Monatsh.*, V. 2, p. 91-96.

- James, U. P. (1879). Description of new species of fossils and remarks on some others, from the Lower and Upper Silurian rocks of Ohio. *The Paleontologist*, V. 3, p. 17-24.
- Johnson, J. G. and Murphy, M. A., (1984). Time-rock model for Siluro-Devonian continental shelf, western United States. *Geological Society of America Bulletin* 95, p. 1349-1359.
- Kanjilal, S. (1978). Geology and stratigraphy of the Jurassic rocks of Habo hill, District Kutch (Gujarat)., *Proc. Ind. Nat. Sci. Acad.*, V. 44A(1), p. 1-15.
- Karaszewski, W. (1971). Some fossil traces from the lower Liassic of the Holy Cross Mountains, Central Poland. *Bull. Acad. Polon. Sci, Ser., Sci de la Terre*; V. 19, p. 101-105.
- Keighley, D. G. and Pickerill, R. K. (1994). The ichnogenus *Beaconites* and its distinction from *Ancorichnus* and *Taenidium*. *Palaeontology*, 37, 305-337.
- Keighley, D. J. and Pickerill, R. K. (1995). The ichnotaxa *Palaeophycus* and *Planolites*: historical perspectives and recommendations. *Ichnos*, V. 3, p. 301-309.
- Keighley, D. G. and Pickerill, R. K. (1997). Systematic ichnology of the Mabou and Cumberland Groups (Carboniferous) of Western Cape Breton Island, eastern Canada, 1: Burrows, pits, trails, and coprolites. *Atlantic Geology*, V. 33, p. 181-215.
- Kennedy, W. J. (1967). Burrows and surface traces from the Lower Chalk of Southern England. *Bull. Brit. Mus. (Nat. Hist), Geol.*, V. 5, p. 127-167.
- Kern, J. P. H. and Warme, J. E. (1974). Trace fossils and bathymetry of the Upper Cretaceous Point Loma Formation, San Diego, California. *Bull. Geol. Soc. Amer.*, V. 85, p. 893-900.
- Kim, J. Y. (1994). A unique occurrence of *Lockeia* from the Yeongheung Formation (Middle Ordovician), Yeongweol, Korea: *Ichnos*, V. 3, p. 219-225.
- Kitchin, F. F. (1900). The Jurassic fauna of Kutch: The Brachiopods of Kutch., *Palaeont. Indica.*, (Geol. Sur. India), Ser. 9, V. 3(1), p. 1-87.
- Koshal, V. N. (1984). Differentiation of Rhaetic sediments in the sub- surface of Kutch based on Palynofossils., *Petroleum Asia Jour.*, V. 7(1), p. 102-105.
- Koshal, V. N. (1984). Differentiation of Rhaetic sediments in the sub-surface of Kutch based on Palynofossils., *Petroleum Asia Jour.*, V. 7(1), p. 102-105.
- Krishnan, M. S. (1968). *Geology of India and Burma*. Hegginsbotham, Madras, pp. 536.
- Książkiewicz, M. (1970). Observations on the Ichnofauna of the Polish Carpathians. In: T.P. Crimes and J.C. Harper (Eds.), *Trace Fossils*. Seel House Press, Liverpool, p. 283-322.
- Książkiewicz, M. (1977). Trace fossils in the Flysch of the Polish Carpathians. *Paleont. Polonica*. V-36; p. 1-208.

- Kulkarni, K. G. and Ghare, M. A. (1989). Stratigraphic distribution of Ichnotaxa from the Wagad region, Kutch. Jour. Geol. Soc. India, V. 33, p. 259-267.
- Kulkarni, K. G. and Ghare, M. A. (1991), Locomotary traces (Repichnia) from the Jurassic sequence of Kutch, Gujarat. Jour. Geol. Soc. India, V. 37, p. 374-387.
- Kumar, A., Bartarya, S. K. and Bisht, K. (1982). Distribution of trace fossils in the Mesozoic rocks of Kutch, India., Neues Jahrb. Geol. Palaeontol. Monatsh., V. 1982(1), p. 36-40.
- Lessertisseur, J. (1955). Traces fossiles d'activite animale et leur signification paleobiologique. Societe Geologique de France, Memoire (n.serie) V. 74, p. 1-150.
- Linck, O. (1949). Lebens-Spuren aus dem Schilfsandstein (Mittl.Keuper km 2) NW-Wurttembergs und ihre Bedeutung fiir die Bildungsgeschichte der Stufe. Verein Vaterl. Naturkd. Wurttemberg, Jahresh., V. 97-101, p. 1-100.
- Lundgren, B. (1891). Studier ofver fossilforande losa block. Geologiska Foreningen I Stockholm Forhandlingar 13, Stockholm, p. 111-121.
- MacEachern, J. A., Pemberton S. G. and Raychaudhuri I. (1991a). The substrate-controlled *Glossifungites* ichnofacies and its application to the recognition of sequence stratigraphic surfaces: subsurface examples from the Cretaceous of the Western Canada sedimentary basin, Alberta, Canada, in D.A. Leckie, H.W. Posamentier, and R. W. W. Lovell, eds., 1991 NUNA Conference on High Resolution Sequence Stratigraphy: Geological Association of Canada, Programme, Proceedings and Guidebook, p. 32-36.
- MacEachern, J. A., Pemberton S. G., Raychaudhuri, I. and Vossler, S. M. (1991b). Application of the *Glossifungites* ichnofacies to the recognition of sequence stratigraphic boundaries: examples from the Cretaceous of the Western Canada sedimentary basin, Alberta, Canada (abs.): AAPG Bulletin, V. 75, p. 626.
- MacEachern, J. A., Bechtel D. J. and Pemberton S. G. (1992a). Ichnology and sedimentology of transgressive deposits, transgressively-related deposits and transgressive systems tracts in the Viking Formation of Alberta, in S.G. Pemberton, ed., Applications of ichnology to petroleum exploration, a core workshop: SEPM Core Workshop 17, p. 251-290.
- MacEachern, J. A., Raychaudhuri, I. and Pemberton S. G. (1992b). Stratigraphic applications of the *Glossifungites* ichnofacies: delineating discontinuities in the rock record, in S.G. Pemberton, ed., Applications of ichnology to petroleum exploration, a core workshop: SEPM Core Workshop 17, p. 169-198.
- MacEachern, J. A., Zaitlin, B. A. and Pemberton, S. G. (1999). A sharp-based sandstone succession of the Viking Formation, Joffre Field, Alberta, Canada: criteria for recognition of transgressively incised shoreface complexes. Journal of Sedimentary Research, 69, p. 876-892.
- Macquaker, J. H. S., Taylor, K. G., Young, T. P., and Curtis, C. D. (1996). Sedimentological and geochemical controls on ooidal ironstone and 'bone-bed' formation and some comments on their sequence stratigraphic significance, in Hesselbo, S., and Parkinson,

- D.N., eds., Sequence Stratigraphy in British Geology: Geological Society of London, Special Publication V. 103, p. 97-107.
- Magwood, J. P. A and Pemberton, S. G. (1990). Stratigraphic significance of *Cruziana*: new data concerning the Cambrian-Ordovician ichnostratigraphic paradigm. *Geology*, V. 18, p. 729-732.
- Mangano, M. G., Buatois, L. A., West, R. R. and Maples, C. G. (1998). Contrasting Behavioral and Feeding Strategies Recorded by Tidal-flat Bivalve Trace Fossils from the Upper Carboniferous of Eastern Kansas. *Palaios*, V. 13, p. 335-351.
- Maples, C. G. (2000). Geobiology: Funding strategies, p. 69-72. in Lane, H.R., Steininger, F.R., Kaesler, R.L., Ziegler, W., and Lipps, J. (eds.), *Fossils and the Future: Paleontology in the 21st Century*. Senckenberg-Buch, Nr. 74, [published electronically as: [http://www.nhm.ac.uk/hosted\\_sites/paleonet/paleo21/rr/gfs.html](http://www.nhm.ac.uk/hosted_sites/paleonet/paleo21/rr/gfs.html)], pp. 290.
- Maples, C. G. and West, R. R. (1988). The relationship of *Uchirites* and *Lockeia* from the Doniphan Shale Member (Pennsylvanian: Virgilian) near Waverly, Kansas: Geological Society of America, Abstracts with Programs, pp. 340.
- Maples, C. G. and West, R. R. (1990). Trace-fossil taxonomy and substrate fluidity: An example using Late Carboniferous bivalve traces: 13th International Sedimentological Congress, Abstracts of Papers, pp. 328.
- Martino, R. L. (1989). Trace fossils from marine facies of the Kanawh Formation (Middle Pennsylvanian), West Virginia. *Jour. of Paleont.*; V. 63, p. 389-403.
- Martinsson, A. (1965). Aspects of a Middle Cambrian thanatotope on Oland. *Geologiska Foreningens i Stockholm, Forhandlingar*, V. 87, p. 181-230.
- Martinsson, A. (1970). Toponymy of trace fossils. In: Crimes, T.P. and Harper, J.C. (Eds.), *Trace fossils*. Geological Journal, Special Issue 3, p. 323-330.
- Massalongo, A. (1855). *Zoophycos*, novum genus plantarum fossilium. Antonelli (Verona), p. 1-52.
- Mathur, Y. K., Soodan, K. S., Mathur, K., Bhatia, M. L., Juyal, M. P. and Pant, J. (1970). Microfossil evidence on the presence of Upper Cretaceous and Palaeocene sediments in Kutch., *Bull. Oil and Nat. Gas Comm.*, V. 7 (2), p. 109-114.
- Mayer, G. (1954). Neue Beobachtungen an Lebensspuren aus dem unteren Hauptmuschelkalk (Trochitenkalk) von Wiesloch. *Monatsh.*, p. 531-535.
- McCoy, F. (1850). On some genera and species of Silurian of Cambridge. *Ann. Mag. Nat. History*, ser. 2, V. 6, p. 270-290.
- Meddlicott, H. B. and Blanford, W. T. (1879-1887). *Manual of Geology of India*, 4 volumes, G.S.I., Govt. of India press, Calcutta.

- Mehra, S., Verma, K. K. and Srivastava, S. (1979). Contribution to the study of upper Gondwanas of Kutch, Gujarat, India International Gondwana Symposium, (4, Vol. II), p. 491-495.
- Merh, S. S. and Patel, P. P. (1988). Quaternary geology and Geomorphology of Rann of Kutch, In Proc. Sem. On Recent Quaternary studies in India, M.S.University, Baroda, p. 377-393.
- Miall, A. D. (1997). The Geology of Stratigraphic Sequences. Springer-Verlag, pp. 433.
- Miall, A. D. (1984). Principles of Sedimentary Basin Analysis, Springer-Verlag, New York, fig. 387, pp. 490.
- Miall, A. D. and Miall, C. E. (2001). Sequence stratigraphy as a scientific enterprise: the evolution and persistence of conflicting paradigms. Earth-Science Reviews, V. 54, p. 321-348.
- Mikulas, R. (1990). The ophiuroid *Taeniaster* as a tracemaker of *Asteriacites*, Ordovician of Czechoslovakia. Ichnos, V.1, p. 133-137.
- Miller, M. F. and Knox, L.W. (1985). Biogenic structures and depositional environments of a Lower Pennsylvanian coal bearing sequence, northern Cumberland Plateau, Tennessee, U.S.A. In: Curran, H.A. (ed.) Biogenic structures: Their use in interpreting depositional environments, SEPM; V. 35; p. 67-97.
- Mishra, D. (2008). High energy transgressive deposits from the Last Jurassic of Wagad, Eastern Kachchh, India. Jour. Asian Ear. Sci.
- Mishra, D. and Biswas, S. K. (2009). Sedimentology, Sequence stratigraphy and Syn-rift Model of younger part of Washtawa Formation and Early part of Kanthkot Formation, Wagad, Kachchh Basin, Gujarat. Jour. Geol. Soc. India, V. 73, p. 519-527.
- Mitchum, R. M., Jr. (1977). Seismic stratigraphy and global changes of sea level, part 11: glossary of terms used in seismic stratigraphy. In Seismic Stratigraphy–Applications to Hydrocarbon Exploration (C. E. Payton, Ed.), p. 205–212. American Association of Petroleum Geologists Memoir 26.
- Mitchum, R. M., Vail, P. R. and Thompson, S. (1977). Seismic stratigraphy and global changes of sea level, Part 2: The depositional sequence as a basic unit for stratigraphic analysis: in Payton, C.E., ed., Seismic Stratigraphy – Applications to Hydrocarbon Exploration, American Association of Petroleum Geologist Memoir 26, p. 53-62.
- Mitra, K. C. and Ghosh, D. N. (1964). A note on the Chari Series around Jhura Dome, Kutch., Sci. Cult., V. 30, p. 192-194.
- Mitra, K. C., Bardhan, S. and Bhattacharyya, D. (1979). A study of Mesozoic stratigraphy of Kutch, Gujarat, with special reference to rock stratigraphy and biostratigraphy of Keera Dome., Bull. Ind. Geol. Assoc., V. 12 (2), p. 129-143.

- Myers, A. C. (1970). Some palaeoichnological observations of tube of *Diopatra cuprea* (Bosc). In trace fossils, T. P. Crimes & J. C. Harper (eds.), Geol. Jour., spec. issue no. 3, Seel House Press (Liverpool), p. 331-334.
- Myrow, P. M. (1995). *Thalassinoides* and the enigma of Early Paleozoic open-framework burrow systems. *Palaios*; V. 10, p. 58-74.
- Nicholson, H. A. (1873). Contributions to the study of the errant Annelids of the older Palaeozoic rocks. Royal Soc. London, Proc., V. 21, p. 288-290 (also Geol. Mag., V. 10, p. 309-310).
- Nummedal, D., Riley, G. W. and Templet, P. L. (1993). High-resolution sequence architecture: a chronostratigraphic model based on equilibrium profile studies. In Sequence Stratigraphy and Facies Associations (H. W. Posamentier, C. P. Summerhayes, B. U. Haq and G. P. Allen, Eds.), International Association of Sedimentologists Special Publication 18, p. 55-68.
- Oldham, R. D. (1983). Manual of the Geology of India, GSI publications, Calcutta India
- Osgood, R. G. (1970). Trace fossils of the Cincinnati area. *Palaeontographica Americana*; V. 6; p. 281-444.
- Pascoe, E. H. (1959), A manual of Geology of India and Burma, Govt. of India, Calcutta, V. III, 3rd Edition, p. 485-1343.
- Patel, S. J. (1990). Study of trace fossils in carbonate rocks of Western Kutch-Gujarat State. Unpublished thesis submitted to the M. S. University of Baroda.
- Patel, S. J. and Desai, B. G. (2001). The republic day Kachchh Earthquake of 2001: Trauma in *Oratosquilla striata*. *Jour. Geol. Soc. Ind.*, V. 58, p. 215-216.
- Patel, S. J., Bhatt, N. Y. and Desai, B. G. (2008a). *Asteriacites quinquefolius* – Asteroid Trace Maker from the Bhuj Formation (Lower Cretaceous) of the Mainland Kachchh, Western India. *Jour. Geol. Soc. Ind.*, V. 71, p. 129-132.
- Patel, S. J., Desai, B. G., Vaidya, A. D. and Shukla, R. (2008b). Middle Jurassic Trace Fossils from Habo Dome, Mainland Kachchh, Western India. *Jour. Geol. Soc. India*.
- Patel, S.J., Desai, B.G., and Shukla, R. (accepted). Paleocological significance of the trace fossils of Dhosa Oolite Member (Jumara Formation), Jhura Dome, Mainland Kachchh, Western India.
- Patil, M. (1971). Lithofacies analysis of Mesozoics of Kutch., *Bull. O.N.G.C.*, V. 13, p. 1-2.
- Payton, C. E. (Ed.) (1977). Seismic Stratigraphy – Applications to Hydrocarbon Exploration. American Association of Petroleum Geologists Memoir 26, pp. 516.
- Pemberton, S. G. and Frey, R. G. (1982). Trace fossils nomenclature and the *Planolites-Palaeophycus* dilemma., *Jour. Paleont.*, V. 56, p. 843-881.

- Pemberton, S. G. and Frey, R. W. (1984). Ichnology of storm-influenced shallow marine sequence: Cardium Formation (Upper Cretaceous) at Seebe, Alberta, in D.F.Stott and D.J.Glass, eds., *The Mesozoic of middle North America: Canadian Society of Petro. Geol. Memoir 9*, p. 281-304.
- Pemberton, S. G. and MacEachern, J. A. (1995). The sequence stratigraphic significance of trace fossils: examples from the Cretaceous foreland basin of Alberta, Canada. In: Van Wagoner, J.C. and Bertram, G. (Eds.), *Sequence Stratigraphy of Foreland Basin Deposits: Outcrop and Subsurface Examples from the Cretaceous of North America*, American Association of Petroleum Geologists, Tulsa, OK, Memoir 64, p. 429-475.
- Pemberton, S. G. and MacEachern, J. A. (2005). Significance of ichnofossils in applied stratigraphy. In: Koutsoukos, E.A. (Ed.), *Applied Stratigraphy*, Springer, Dordrecht, The Netherlands, p. 281-302.
- Pemberton, S. G., Frey, R. W. and Bromley R. G. (1988). The ichnotaxonomy of *Conostichnus* and other plug-shaped ichnofossils. *Canad. Jour. Earth Sciences*; V. 25, p. 866-892.
- Pemberton, S. G., MacEachern, J. A. and Frey, R. W. (1992a). Trace fossil facies models: environmental and allostratigraphic significance. In: Walker, R.G. and James, N. (Eds.), *Facies Models: Response to Sea Level Change*, Geological Association of Canada, p. 47-72.
- Pemberton, S. G., MacEachern, J. A. and Ranger M. J. (1992b). Ichnology and event stratigraphy: the use of trace fossils in recognizing tempestites, in S.G. Pemberton, ed., *Applications of ichnology to petroleum exploration, a core workshop: SEPM Core Workshop 17*, p. 85-117.
- Pemberton, S. G., Spila, M. V., Pulham, A. J., Saunders, T., MacEachern, J. A., Robbins, D. and Sinclair, I. (2001). Ichnology and Sedimentology of Shallow and Marginal Marine Systems: Ben Nevis and Avalon Reservoirs, Jeanne D'Arc Basin, Geological Association of Canada, St. John's Newfoundland, Short Course Notes, V. 15, pp. 353.
- Pemberton, S. G., MacEachern, J. A. and Saunders, T. D. A. (2004). Stratigraphic applications of substrate-specific ichnofacies: delineating discontinuities in the rock record. In: McIlroy, D. (Ed.), *The Application of Ichnology to Palaeoenvironmental and Stratigraphic Analysis*, Geological Society, London, UK, Special Publication, V. 228, p. 29-62.
- Pettijohn, F. J. (1975), *Sedimentary Rocks*, 3rd Edi. Harper & Row, New York, pp. 628.
- Plint, A. G. (1988). Sharp-based shoreface sequences and "offshore bars" in the Cardium Formation of Alberta; their relationship to relative changes in sea level. In *Sea Level Changes – An Integrated Approach* (C. K. Wilgus, B. S. Hastings, C. G. St. C. Kendall, H. W. Posamentier, C. A. Ross and J. C. Van Wagoner, Eds.), SEPM Special Publication 42, p. 357-370.
- Plint, A. G. and Nummedal, D. (2000). The falling stage systems tract: recognition and importance in sequence stratigraphic analysis. In *Sedimentary Response to Forced*

Regression (D. Hunt and R. L. Gawthorpe, Eds.), Geological Society of London Special Publication 172, p. 1–17.

- Poddar, M. C. (1959). Stratigraphy and oil possibilities in Kutch in Western India., Proc. 1st Symposium on the development of the Petroleum Resources of Asia and Far East., ECAFE, Bangkok-Tehran, No. 10, V. 1, p. 146-148.
- Poddar, M. C. (1964), Mesozoics of western India: their geology and oil possibilities, Proc. 22nd Internat. Geol. Congr., p. 126-143.
- Pollard, J. E. (1981). A comparison between the Triassic trace fossils of Cheshire and South Germany. *Palaeontology*; V. 24; p. 555-558.
- Posamentier, H. W. and Allen, G. P. (1999). Siliciclastic sequence stratigraphy: concepts and applications. *SEPM Concepts in Sedimentology and Paleontology* No. 7, pp. 210.
- Posamentier, H. W. and Chamberlain, C. J. (1993). Sequence stratigraphic analysis of Viking Formation lowstand beach deposits at Joarcam Field, Alberta, Canada. In *Sequence Stratigraphy and Facies Associations* (H. W. Posamentier, C. P. Summerhayes, B. U. Haq and G. P. Allen, Eds.), International Association of Sedimentologists Special Publication 18. p. 469–485.
- Posamentier, H. W. and Vail, P. R. (1988). Eustatic controls on clastic deposition II—sequence and systems tract models. In *Sea Level Changes—An Integrated Approach* C. K. Wilgus, B. S. Hastings, C. G. St.C. Kendall, H. W. Posamentier, C. A. Ross and J. C. Van Wagoner, Eds.), *SEPM Special Publication* 42, p. 125–154.
- Posamentier, H. W., Jervey, M. T. and Vail, P. R. (1988). Eustatic controls on clastic deposition I – conceptual framework. In *Sea Level Changes—An Integrated Approach* (C. K. Wilgus, B. S. Hastings, C. G. St. C. Kendall, H. W. Posamentier, C. A. Ross and J. C. Van Wagoner, Eds.), *SEPM Special Publication* 42, p. 110–124.
- Powell, J. H. (1992). *Gyrochorte* burrows from the Scarborough Formation (Middle Jurassic) of the Cleveland Basin, and their Sedimentological settings. *Proc. Yorkshire Geol. Soc.*, V. 49, p. 41-47.
- Prantl, F. (1946). Two new problematic trails from the Ordovician of Bohemia. *Acad. Tcheque Sci. Bull. Internatl., Cl. Sci. math. Nat. med.*; V. 46(1945); p. 1-9.
- Pryor, W. A. (1975). Biogenic sedimentation and alteration of argillaceous sediments in shallow marine environments. *Bull. Geol. Soc. America*; V. 86; p. 1244-1254.
- Quatrefages, M. A. de (1849). Note sur la *Scolicia prisca* (A. De Q.), annelide fossile de la craie. *Ann. Sci Nat., ser. 3, Zoologie*, V. 12, p. 265-266.
- Quenstedt, F. A. (1879). *Petrefactenkunde Deutschlands*. 1. Abth., Korallen. Die Röhren-und Steinkorallen. L.F. Fues (Leipzig). V. 1, p. 1093.
- Rajnath, (1932). A contribution to the stratigraphy of Kutch., *Quart. Jour. Geol. Min. Met. Soc. Ind.*, V. 4, p. 161-174.

- Rajnath, (1934). Detailed stratigraphy of the Jumara area, Cutch (Abstract). Proceedings of 21<sup>st</sup> Indian Science Congress, part 3: pp. 346.
- Rajnath, (1942). The Jurassic rocks of Cutch - their bearing on some problems of Indian Geology., Pres. Address, in 29th Ind. Sci. Cong., Baroda, p. 93-106.
- Rao, P. V. (1964). Geology and mineral resources of India, Intern. Geol. Cong., 22nd Session, India, p. 1-43.
- Rao, R. V. (1957). A new Middle Jurassic Asteroid from Pachham Island, Cutch, India., Jour. Pal. Soc. Ind., V. 2, p. 213-217.
- Reading, H. G. (Ed.) (1978). Sedimentary Environments and Facies. 2nd ed. Blackwell Scientific Publications, pp. 615.
- Reinson, G. E. (1984). Barrier-island and associated strand-plain systems. In Walker, R.G., ed., Facies Models, second edition: Geoscience Canada, Geological asso. Canada, p. 119-140.
- Rhoads, D. C., Boesch, D. F., Zhican, T., Fengshan, X., Liqiang, H. and Nilsen, K.J. (1985). Macrobenthos and sedimentary facies on the Changjiang delta platform and adjacent continental shelf. Cont. Shelf Res., V. 4, p. 189-213.
- Richter, R. (1937). Marken und Souren aus allen Zeiten. I-II. Senckenbergiana. Frankfurt a. M. V. 19, p. 150-163.
- Richter, R. (1850). Aus der thuringischen Grauwacke. Deutsch. Geol. Gesell., Zeitschr., V. 2, p. 198-206.
- Richter, R. (1853). Thuringische Graptolithen. Same, Zeitschr., pl.12, V. 5, p. 439-464.
- Richter-Bernberg, G. and Schott, W. (1963). Jurassic and Cretaceous at the western border of the Gondwana shield in Indian etc.Proc. 2<sup>nd</sup> Symp. Dev. Petrol, Res. ECAFE, V. 1, p. 1-18.
- Rieth, A. (1932). Neue Funde spongiomorphen Fucoiden aus dem Jura Schwabens. Geologische und paläontologische Abhandlungen, Neue Folge 19, Jena, p. 257-294.
- Rindsberg, A. K. (1994). Ichnology of the Upper Mississippian Hartselle Sandstone of Alabama, with notes on other Carboniferous formations. Geological Survey of Alabama, Bulletin 158, p. 1-107.
- Roy, S. K. (1967). Pteridophytic remains from Kutch and Kathiawar, India. The Palaeobotanist, V. 16, p. 108-114.
- Tiwari, B. S. (1948). Geology of Hado Hills, Cutch State, Abs. Proc. 35th Ind. Sci. Cong. Pt. III, pp. 148.
- Sacco, F. (1888). Note di Paleoichnologia Italiana. Atti della Societa Italiana di Scienze Naturali, V. 31, p. 151-192.

- Sahni, M. R. and Parsad, K. N. (1957). On a new species of *Astarte* from Umia beds, Ghuner, Cutch, W. India, and remarks on the age of the Trigonina beds, *Rec.Geol.Surv. India*, V. 84, p. 431-438.
- Salter, J. W. (1857). On annelide-burrows and surface markings from the Cambrian rocks of the Longmynd. *Same*, *Quart. Jour.*, pl. 5, V. 13, p. 199-206.
- Saporta, G. de (1872). *Paleontologie française ou description des fossils de la France (commence par Alcide d'Orbigny et) continuée par une réunion de paleontologists*. 2 ser. *Vegetaux. Plantes jurassiques*. G. Masson (Paris), V. 1, pp. 506.
- Saporta, G. (1884). *Les organismes problematiques des anciennes mers*, Masson, Paris, pp. 100.
- Savi, P. and Meneghini, G.G. (1850). *Osservazioni stratigrafiche e paleontologiche concernanti la geologia della Toscana e dei paesi limitrofi*. (Appendix to Murchison: *Memoria sulla struttura geologica delle Alpi*). Stamperia granducale (Firenze). pp. 246.
- Savard, C. E. (1991). Ichnology in sequence stratigraphic studies: An example from the lower Paleocene to Alabama. *Palaio*, V. 6, p. 39-53.
- Schlager, W. (1992). Sedimentology and sequence stratigraphy of reefs and carbonate platforms. *American Association of Petroleum Geologists, Continuing Education Course Note Series 34*, pp. 71.
- Schlirf, M (2000). Upper Jurassic Trace fossils from the Boulonnais (Northern France). *Geol. et Paleont.*; V. 34, p. 145-213.
- Seilacher, A. (1953a) *Studien zur Palichnologie. II Die fossilien Ruhespuren (Cubichnia)*. *Neues Jahrbuch für geologie und Paläontologie, Abhandlungen*; V. 98; p. 87-124.
- Seilacher, A. (1953b). *Studien zur Palichnologie. I, Über die Methoden der Palichnologie*. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen*, V. 96, p. 421-452.
- Seilacher, A. (1955). *Spuren und Fazies im Unterkambrium*: in O. H. Schindewolf & A. Seilacher, *Beiträge zur Kenntnis des Kambriums in der Salt Range (Pakistan)*, *Akad. Wiss. Lit. Mainz, math.-nat. Kl., Abhandl.*, no. 10, p. 11-143.
- Seilacher, A. (1964). Biogenic sedimentary structures. In: *Approaches to Paleoecology*. Imbrine J. and Newell, N. (Eds.), New York: Wiley, p. 296-316.
- Seilacher, A. (1967). Bathymetry of trace fossils. *Marine Geology*; V. 5; p. 413-428.
- Seilacher, A. (1977). Pattern analysis of *Paleodictyon* and related trace fossils. In: Crimes, T.P. and Harper, J.C. (Eds.), *Trace Fossils 2. Geological Journal, Special Issue*, 9, p. 289-334.
- Seilacher, A. (1990). Aberration in bivalve evolution related photo- and chemosymbiosis. *Historical Biology* 3, Chur, p. 289-311.

- Selley, R. C. (1978). Ancient Sedimentary Environments. 2nd ed. Cornell University Press, Ithaca, New York, pp. 287.
- Sheehan, P. M. and Schieffelbein, D. R. J. (1984). The trace fossil *Thalassinoides* from the Upper Ordovician of the eastern Great Basin. Deep burrowing in the early Paleozoic. J. Paleont., V. 58, 2, p. 440-447.
- Shringarpure, D. M. (1984). Mesozoic of Kutch (India): Middle Jurassic to Lower Cretaceous depositional environments as revealed by biosedimentary structures. In W. E. Reif and P. Westphal (eds.), Third Symposium on Mesozoic Terrestrial Ecosystems, Tubingen., p. 227-229.
- Shringarpure, D. M. (1985). Ichnological studies of the rocks exposed between Chitrod and Manfara, Eastern Kutch - Gujarat State., Unpubl. Ph.D. Thesis, M. S. University of Baroda, pp. 397.
- Shringarpure, D. M. (1986). Trace fossils at omission surface from the Mesozoic of Kutch, Gujarat, Western India. Bull. Geol. Min. Met. Soc. India., V. 54, p. 131-148.
- Shukla, U. K. and Singh, I. B. (1991). Facies analysis of Bhuj sandstone (Lr. Cretaceous), Kachchh, Gujarat. Jour. Palaeont. Soc. India, V. 35, p. 189-196.
- Siggerud, E. I. H., and Steel, R. J. (1999). Architecture and trace-fossil characteristics of a 10,000–20,000 year, fluvial-to-marine sequence, SE Ebro Basin, Spain. Journal of Sedimentary Research, V. 69B, p. 365-383.
- Simpson, S. (1957). On the Trace fossil *Chondrite*. Qatr. Jour. Geol Soc. Lond.; V. 107; p. 475-499.
- Simpson, S. (1975). Classification of trace fossils. In: R.W. Frey (Ed.), the Study of Trace Fossils. New York (Springer-Verlag); p. 39-54.
- Singh, C. S. P., Jaitly, A. K. and Pandey, D. K. (1982). First report of some Bajocian-Bathonian (Middle Jurassic) ammonoids and the age of the oldest sediments from Kachchh, W. India., News Letter Stratigr., V. 11(1), p. 37-40.
- Singh, H. P., Shrivastava, S. K. and Roy, S. L. (1963). Studies on the Upper Gondwana of Cutch - 1, Mio and Macrospores, The Palaeobotanist, V. 12, no. 3, p. 282-306.
- Singh, I. B. (1989). Dhosa Oolite - A transgressive condensation horizon of Oxfordian age in Kachchh, Western India., Jour. Geol. Soc. of India, V. 34, p. 152-160.
- Singh, P. P. and Singh, I. B. (1992). Cross bedding with tidal bundles and mud drapes: Evidence for tidal influence in Bhuj sandstone (Lower Cretaceous), Eastern Kachchh., Jour. Geol. Soc. India, V. 39, p. 487-493.
- Sloss, L. L. (1962). Stratigraphic models in exploration. American Association of Petroleum Geologists Bulletin, V. 46, p. 1050-1057.

- Sloss, L. L. (1963). Sequences in the cratonic interior of North America. *Geological Society of America Bulletin*, V. 74, p. 93-114.
- Sloss, L. L., Krumbein, W. C. and Dapples, E. C. (1949). Integrated facies analysis. In *Sedimentary facies in geologic history* (C. R. Longwell, Ed.), Geological Society of America Memoir 39, p. 91-124.
- Spath, L. F. (1924). On the black collection of ammonites from Kutch, India, *Palaeont. Indica*, N. S. Memoir 1, V. 9.
- Spath, L. F. (1933). Revision of the Jurassic Cephalopod fauna of Kutch (Cutch), India, *Palaeont. Indica*, Geol. Surv. India, New Series-9, Mem 2, pp. 945.
- Squinabol, S. (1890). Alghe e pseudoalghe fossili italiane. *Atti Societa Linguistica Scienze Naturali geografiche*, V. 1, p. 166-199.
- Sternberg, G.K. (1833). Versuch einer geognostisch-botanischen Darstellung der Flora der Vorwelt. IV Heft. Regensburg (C.E.Brenck). p. 1-48.
- Stoliczka, F. (1871–1886). Observations on fossil crabs from Tertiary deposits in Sind and Kutch. *Memoirs of the Geological Survey of India, Palaeontologica Indica*, Series VII, Tertiary and Upper Cretaceous Fauna of Western India, Volume One, p. 1-4.
- Sturesson, U., Heikoop, J. M., and Risk, M. J. (2000). Modern and Paleozoic iron ooid - a similar volcanic origin: *Sedimentary Geology*, V. 136, p. 137–146.
- Taylor, A. M. and Gawthorpe, R. L. (1993). Application of sequence stratigraphy and trace fossil analysis to reservoir description: examples from the Jurassic of the North Sea. In: Parker, J.R. (Ed.), *Petroleum Geology of Northwest Europe*, Proceedings of the 4th Conference, Geological Society, London, UK, p. 317–335.
- Taylor, K. G. and Curtis, C. D. (1995). Stability and facies association of early diagenetic mineral assemblages: an example from a Jurassic ironstone–mudstone succession. *U.K. Journal of Sedimentary Research*, V. A65, p. 358–368.
- Taylor, K. G., Simo, J. A., Yocum, D. and Leckie, D. A. (2002). Stratigraphic significance of ooidal ironstones from the cretaceous western interior seaway: the Peace River formation, alberta, canada, and the castlegate sandstone, Utah, U.S.A. *journal of sedimentary research*, V. 72, P. 316–327.
- Torell, O. M. (1870). *Petrificata Suecana Formationis Cambricae*. Lunds Univ. Arsskr., V. 6, p. 1-14.
- Tucker, M.E. (1985). Shallow-marine carbonate facies and facies models. In: *Sedimentology: Recent Developments and Applies Aspects* (Ed. By Brenchley, P.J. and Williams, B.P.J.) Spec. Publ. Geol. Soc. Lond. V. 18, p. 139-161.
- Uchman, A. F. (1988). “Shallow-water” trace fossils in Paleogene flysch, Carpathian Mts., Poland. In: 9<sup>th</sup> IAS Meeting on Sedimentology, Leuven, Abstracts volume, p. 199.

- Uchman, A. F. (1989). "Shallow-water" trace fossils in Paleogene flysch, Carpathian Mountains, Poland. In: 28<sup>th</sup> International Geological Congress, July 9-19, 1989, Washington D.C., Abstracts V. 3, pp. 265.
- Uchman, A. F. (1990a). Skamieniałós ci śladowe w strefie krynickiej i bystrzyckiej płaszczowiny magurskiej (polskie Karpaty Zewnętrzne). – Unpubl. Ph.D. Thesis, Biblioteka UJ, Kraków. (In Polish), pp. 135.
- Uchman, A. F. (1990b). Trace Fossils in the Eocene of the Nowy Sącz facies zone in Żeleznikowa Wielka near Nowy Sącz (Magura nappe, Outer Carpathians). *Annales Societatis Geologorum Poloniae*; V. 60; p. 107-124.
- Uchman, A. F. (1995). Taxonomy and Paleoecology of flysch trace fossils: The Marnoso-arenacea Formation and associated facies (Miocene, Northern Apennines, Italy). *Beringeria*, p. 1-115.
- Uchman, A. F. (1999). Ichnology of the Rhenodanubian Flysch (Lower Cretaceous-Eocene) in Austria and Germany. *Beringeria*; V. 25, p. 67-173.
- Vail, P. R. (1975). Eustatic cycles from seismic data for global stratigraphic analysis (abstract). *American Association of Petroleum Geologists Bulletin*, V. 59, p. 2198-2199.
- Vail, P. R., Mitchum, R. M. Jr., and Thompson, S., III (1977). Seismic stratigraphy and global changes of sea level, part four: global cycles of relative changes of sea level. *American Association of Petroleum Geologists Memoir* 26, p. 83-98.
- Vail, P. R., Audemard, F., Bowman, S. A., Eisner, P. N. and Perez-Cruz, C. (1991). The stratigraphic signatures of tectonics, eustasy and sedimentology—an overview. In *Cycles and Events in Stratigraphy*. (G. Einsele, W. Ricken and A. Seilacher, Eds.), Berlin, Springer-Verlag, p. 617-659.
- Van Wagoner, J. C. (1995). Overview of sequence stratigraphy of foreland basin deposits: terminology, summary of papers, and glossary of sequence stratigraphy. In *Sequence Stratigraphy of Foreland Basin Deposits* (J. C. Van Wagoner and G. T. Bertram, Eds.), *American Association of Petroleum Geologists Memoir* 64, p. 9-21.
- Van Wagoner, J. C., Posamentier, H. W., Mitchum, R. M. Jr., Vail, P. R., Sarg, J. F., Loutit, T. S. and Hardenbol, J. (1988). An overview of sequence stratigraphy and key definitions. In *Sea Level Changes—An Integrated Approach* C. K. Wilgus, B. S. Hastings, C. G. St. C. Kendall, H. W. Posamentier, C. A. Ross and J. C. Van Wagoner, Eds.), *SEPM Special Publication* 42, p. 39-45.
- Van Wagoner, J. C., Mitchum, R. M. Jr., Campion, K. M., and Rahmanian, V. D. (1990). Siliciclastic sequence stratigraphy in well logs, core, and outcrops: concepts for high-resolution correlation of time and facies. *American Association of Petroleum Geologists Methods in Exploration Series* 7, p. 1-55.
- Venkat Raman, D. and Patil, M. (1975). The geology of certain domes in NW Kutch and its relevance to oil exploration, *Bull. O.N.G.C.*, V. 12.

- Venkatachala, B. S. (1969). Palynology of the Umia plant beds of Kutch, western India – 2. Stratigraphic palynology of the Bhuj exposures near Walkamata, Kutch District, Gujarat State. Sytematic palynology. Palaeobotanist, V. 17, p. 1-8.
- Vossler, S. M. and Pemberton, S. G. (1988a). Superabundant *Chondrites*: a response to storm buried organic material? Lethaia, V. 21, p. 94.
- Vossler, S. M. and Pemberton, S. G. (1988b). *Skolithos* in the Upper Cretaceous Cardium formation: an ichnofossil example of opportunistic ecology, Lethaia, V. 21, p. 351-362.
- Vredenburg, E. W. (1910). A summary of Geology of India, II<sup>nd</sup> Edition.
- Vyalov, O. S. (1962). Problematica of the Beacon Sandstone at Beacon Height West, Antarctica. New Zealand Jour. Geology and Geophysics, V. 5, p. 718-732.
- Vyalov, O. S. (1966). Sledy ziznedejatelnosti organizmov icich paleontologiceskoje znacenije. Naukova dumka. Kijev.
- Vyalov, O. S. (1972). The classification of the fossil traces of life. 24<sup>th</sup> International Geological Congress, Montreal, Section 7, p. 639-644.
- Waagen, W. G. (1871). Abstract of results of examination of the ammonite fauna of Cutch with remarks on their distribution among the beds and probable age. Rec. Geol. Surv. India. V. 4.
- Waagen, W. G. (1873). Jurassic Fauna of Cutch. The Cephalopod. Pal. Indica, (IX), I (I-IV), pp. 247.
- Waagen, W. G. (1875). Jurassic fauna of Cutch, Pal. Ind. GSI Ser. 9.1. Warne, J. E. et al. (1971) Submarine canyon erosion: Contribution of marine rock burrowers., Science, V. 173, p. 1127-1129.
- Waagen, W. G. (1876). The Jurassic Fauna of Kutch: The Cephalopoda., Palaeont. Indica (Geol. Sur. India), Ser. 9, V. 1, pp. 247.
- Walcott, C. D. (1890). The fauna of the Lower Cambrian or Olenellus Zone. U.S.Geol. Survey, Ann. Rept., V. 10, p. 509-774.
- Walker, R. G. and James, N. P. (1992). Facies Models: Response to Sea Level Change, (Eds.), Geological Association of Canada, St. John's, Newfoundland, pp. 409.
- Weimar, R.J. and Hoyt, J.H. (1964). Burrows of *Callianassa* major Say, Geologic indicators of littoral and shallow neretic environments. Jour. Paleont.; V. 38, p. 761-767.
- Werner, F. and Wetzel, W. (1981). Interpretation of biogenic structures in oceanic sediments. Bulletin Institut Geologique Bassin d'Aquitaine 31, Bordeaux, p. 275-288.
- Wheeler, H. E. (1958). Time stratigraphy. American Association of Petroleum Geologists Bulletin, V. 42, p. 1047-1063.

- Wheeler, H. E. (1959). Unconformity bounded units in stratigraphy. American Association of Petroleum Geologists Bulletin, V. 43, p. 1975-1977.
- Wheeler, H. E. (1964). Baselevel, lithosphere surface, and timestratigraphy. Geological Society of America Bulletin, V. 75, p. 599-610.
- Wheeler, H. E. and Murray, H. H. (1957). Baselevel control patterns in cyclothemic sedimentation. American Association of Petroleum Geologists Bulletin, V. 41, p. 1985-2011.
- Woodland, B. G. and Strenstrom, R. C. (1979). The occurrence and origin of siderite concretions in the Francis Creek Shale (Pennsylvanian) of north-eastern Illinois. *In*: M. H. Nitecki (Ed.), Mazon Creek Fossils. Academic Press, New York, p. 69-103.
- Wynne, A. B. (1869). Preliminary notes on the geology of Kutch, Western India., Rec. Geol. Surv. Ind., V. 2, p. 51-58.
- Wynne, A. B. (1872). Memoir on the geology of Kutch, to accompany the map compiled by A. B. Wynne and F. Fedden, during the seasons of 1867-68 and 1868-69., Mem. Geol. Surv. India, V. 9, pp. 289.
- Young, A. (1972). Slopes. Edited by K.M. Clayton. Oliver & Boyd, Edinburgh; pp. 288.
- Young, T. P. (1989). Phanerozoic Ironstones: an introduction and review, in Young, T.P., and Taylor, W.E.G., eds., Phanerozoic Ironstones: Geological Society of London, Special Publication V. 46, p. 9-25.
- Zaigham, N. A. and Mallick, K. A. (2000). Prospect of hydrocarbon associated with fossil-rift structures of the southern Indus basin, Pakistan. Bull. Am. Assoc. Petrol. Geol., 2000, V. 84, p. 1833-1848.
- Zenker, J. C. (1836). Historisch-topographisches Taschenbuch von Jena und seiner Umgebung besonders in naturwissenschaftlicher und medicinischer Beziehung. J. C. Zenker (ed.), pp. 338.