

REFERENCES

- Abdul Aziz, H., Sanz-Rubio, E., Calvo, J. P., Hilgen, F. J., & Krijgsman, W. (2003). Palaeoenvironmental reconstruction of a middle Miocene alluvial fan to cyclic shallow lacustrine depositional system in the Calatayud Basin (NE Spain). *Sedimentology*, 50(2), 211-236.
- Adams, J. (1984). Large-scale tectonic geomorphology of the Southern Alps, New Zealand. In: Morisawa, M., and Hack, J. T. (ed), *Tectonic geomorphology*, 105-128.
- Akçar, N., Tikhomirov, D., Özkaymak, Ç., Ivy-Ochs, S., Alfimov, V., Sözbilir, H., & Schlüchter, C. (2012). ³⁶Cl exposure dating of paleoearthquakes in the Eastern Mediterranean: First results from the western Anatolian Extensional Province, Manisa fault zone, Turkey. *Bulletin*, 124(11-12), 1724-1735.
- Ambili, V., & Narayana, A. C. (2014). Tectonic effects on the longitudinal profiles of the Chaliyar River and its tributaries, southwest India. *Geomorphology*, 217, 37-47.
- Balco, G., Briner, J., Finkel, R. C., Rayburn, J. A., Ridge, J. C., & Schaefer, J. M. (2009). Regional beryllium-10 production rate calibration for late-glacial northeastern North America. *Quaternary Geochronology*, 4(2), 93-107.
- Baskaran, M., Deshpande, S.V., Rajaguru, S.N. & Somayajulu, B.L.K. 1989. Geochronology of miliolite rocks of Kutch, Western India. *Journal of the Geological Society of India*, 33, 588–593.
- Beaumont, C., Kooi, H., & Willet, S. (2000). Coupled tectonic-surface process models with applications to rifted margins and collisional orogens. In *Geomorphology and global tectonics*, 29-55.
- Beauvais, A., Bonnet, N. J., Chardon, D., Arnaud, N., & Jayananda, M. (2016). Very long-term stability of passive margin escarpment constrained by ⁴⁰Ar/³⁹Ar dating of K-Mn oxides. *Geology*, 44(4), 299-302.
- Benedetti, L., Finkel, R., Papanastassiou, D., King, G., Armijo, R., Ryerson, F., & Flerit, F. (2002). Post-glacial slip history of the Sparta fault (Greece) determined by ³⁶Cl cosmogenic dating: Evidence for non-periodic earthquakes. *Geophysical Research Letters*, 29(8), 87-1.
- Benedetti, L., Manighetti, I., Gaudemer, Y., Finkel, R., Malavieille, J., Pou, K., & Keddadouche, K. (2013). Earthquake synchrony and clustering on Fucino faults (Central Italy) as revealed from in situ ³⁶Cl exposure dating. *Journal of Geophysical Research: Solid Earth*, 118(9), 4948-4974.
- Bilal, A., McClay, K., & Scarselli, N. (2020). Fault-scarp degradation in the central exmouth plateau, north west shelf, Australia. *Geological Society, London, Special Publications*, 476(1), 231-257.

- Bilham, R. (1999). Slip parameters for the Rann of Kachchh, India, 16 June 1819, earthquake, quantified from contemporary accounts. *Geological Society, London, Special Publications*, 146(1), 295-319.
- Bishop, P., Hoey, T. B., Jansen, J. D., & Artza, I. L. (2005). Knickpoint recession rate and catchment area: the case of uplifted rivers in Eastern Scotland. *Earth Surface Processes and Landforms: The Journal of the British Geomorphological Research Group*, 30(6), 767-778.
- Bishop, P. (2007). Long-term landscape evolution: linking tectonics and surface processes. *Earth Surface Processes and Landforms: the Journal of the British Geomorphological Research Group*, 32(3), 329-365.
- Biswas, S. K. (1965). A new classification of the Tertiary rocks of Kutch, western India. *Geology Department, Calcutta University*.
- Biswas, S. K. (1971). The miliolite rocks of Kutch and Kathiawar (western India). *Sedimentary Geology*, 5(2), 147-164.
- Biswas, S. K., & Raju, D. S. N. (1973). The rock stratigraphic classification of the Tertiary sediments of Kutch. *Bull. ONGC*, 10(1-2), 37-46.
- Biswas, S. K. (1974). Landscape of Kutch—a morphotectonic analysis. *Indian J. Earth Sci*, 1(2), 177-190.
- Biswas, S. K. (1977). Mesozoic rock-stratigraphy of Kutch, Gujarat. *Quarterly Journal of the Geological Mineralogical and Metallurgical Society of India*, 49, 1-51.
- Biswas, S. K. (1982). Rift basins in western margin of India and their hydrocarbon prospects with special reference to Kutch basin. *AAPG Bulletin*, 66(10), 1497-1513.
- Biswas, S. K. (1987). Regional tectonic framework, structure and evolution of the western marginal basins of India. *Tectonophysics*, 135(4), 307-327.
- Biswas, S. K. (1992). Tertiary stratigraphy of Kutch. *Journal of the Palaeontological Society of India*, 37(1-29).
- Biswas, S. K. (1993). *Geology of kutch*. KD Malaviya institute of petroleum exploration, Dehradun, 450.
- Biswas, S. K. (1999). A review on the evolution of rift basins in India during Gondwana with special reference to western Indian basins and their hydrocarbon prospects. *PROCEEDINGS-INDIAN NATIONAL SCIENCE ACADEMY PART A*, 65(3), 261-284.
- Biswas, S. K., & Khattri, K. N. (2002). A geological study of earthquakes in Kutch, Gujarat, India. *Journal of the Geological Society of India*, 60(2), 131-142.
- Biswas, S. K. (2005). A review of structure and tectonics of Kutch basin, western India, with special reference to earthquakes. *Current Science*, 88(10), 1592-1600.

- Biswas, S. K. (2016a). Tectonic framework, structure and tectonic evolution of Kutch Basin, western India. In Conference GSI (pp. 129-150).
- Biswas, S. K. (2016b). Mesozoic and tertiary stratigraphy of Kutch*(Kachchh)–A review. In Conference GSI (pp. 1-24).
- Bloom, A. L. (1998). Geomorphology: a systematic analysis of late Cenozoic landforms (No. 551.79 BLO).
- Blum, M. D., & Törnqvist, T. E. (2000). Fluvial responses to climate and sea-level change: a review and look forward. *Sedimentology*, 47, 2-48.
- Botha, GA, Scott, L., Vogel, JC & von Brunn, V. (1992). Palaeosols and palaeoenvironments during the Late Pleistocene Hypothermal in northern Natal. *South African Journal of Science*, 88(9-10), 508-512.
- Bourles, D., Raisbeck, G. M., & Yiou, F. (1989). ^{10}Be and ^9Be in marine sediments and their potential for dating. *Geochimica et Cosmochimica Acta*, 53(2), 443-452.
- Bull, W. B. (2011). Tectonically active landscapes. John Wiley & Sons.
- Burbank, D. W., Leland, J., Fielding, E., Anderson, R. S., Brozovic, N., Reid, M. R., & Duncan, C. (1996). Bedrock incision, rock uplift and threshold hillslopes in the northwestern Himalayas. *nature*, 379(6565), 505-510.
- Burbank, D. W., & Pinter, N. (1999). Landscape evolution: the interactions of tectonics and surface processes. *Basin Research*, 11(1), 1-6.
- Burbank, D. W., & Anderson, R. S. (2001). Geomorphic markers. Burbank, DW & Anderson, RS, *Tectonic Geomorphology*. Malden:(ed.) Blackwell Publishing, 13-32.
- Braun, J. (2018). A review of numerical modeling studies of passive margin escarpments leading to a new analytical expression for the rate of escarpment migration velocity. *Gondwana Research*, 53, 209-224.
- Brown, E. T., Edmond, J. M., Raisbeck, G. M., Bourlès, D. L., Yiou, F., & Measures, C. I. (1992). Beryllium isotope geochemistry in tropical river basins. *Geochimica et Cosmochimica Acta*, 56(4), 1607-1624.
- Bryan, K. (1940). Gully gravure-a method of slope retreat. *Journal of Geomorphology*, 3, 89-107.
- Campanile, D., Nambiar, C. G., Bishop, P., Widdowson, M., & Brown, R. (2008). Sedimentation record in the Konkan–Kerala Basin: implications for the evolution of the Western Ghats and the Western Indian passive margin. *Basin Research*, 20(1), 3-22.
- Catuneanu, O., & Dave, A. (2017). Cenozoic sequence stratigraphy of the Kachchh Basin, India. *Marine and Petroleum Geology*, 86, 1106-1132.

Çellek, S. (2020). Effect of the slope angle and its classification on landslide. *Natural Hazards and Earth System Sciences Discussions*, 1-23.

Chakrabarti, A., SOMAYAJULU, B. K., Baskaran, M., & Kumar, B. (1993). Quaternary Miliolites of Kutch and Saurashtra, Western India. Depositional environments in the light of physical sedimentary structures, biogenic structures and geochronological setting of the rocks. *Senckenbergiana maritima*, 23, 7-28.

Charreau, J., Blard, P. H., Puchol, N., Avouac, J. P., Lallier-Vergès, E., Bourlès, D., & Roy, P. (2011). Paleo-erosion rates in Central Asia since 9 Ma: A transient increase at the onset of Quaternary glaciations?. *Earth and Planetary Science Letters*, 304(1-2), 85-92.

Chaudhuri, A., Banerjee, S., & Le Pera, E. (2018). Petrography of Middle Jurassic to Early Cretaceous sandstones in the Kutch Basin, western India: Implications on provenance and basin evolution. *Journal of Palaeogeography*, 7(1), 1-14.

Chen, Y. C., Sung, Q., Chen, C. N., & Jean, J. S. (2006). Variations in tectonic activities of the central and southwestern Foothills, Taiwan, inferred from river hack profiles. *TAO: Terrestrial, Atmospheric and Oceanic Sciences*, 17(3), 563.

Chorley, R. J., Schumm, S. A. and Sugden, D. E. (1984). *Geomorphology*. Methuen, London.

Christie, M., Tsoflias, G. P., Stockli, D. F., & Black, R. (2009). Assessing fault displacement and off-fault deformation in an extensional tectonic setting using 3-D ground-penetrating radar imaging. *Journal of applied geophysics*, 68(1), 9-16.

Chowksey, V., Joshi, P., Maurya, D. M., & Chamyal, L. S. (2011a). Ground penetrating radar characterization of fault-generated Quaternary colluvio-fluvial deposits along the seismically active Kachchh Mainland Fault, Western India. *Current Science*, 915-921.

Chowksey, V., Maurya, D. M., Joshi, P., Khonde, N., Das, A., & Chamyal, L. S. (2011b). Lithostratigraphic development and neotectonic significance of the Quaternary sediments along the Kachchh Mainland Fault (KMF) zone, western India. *Journal of Earth system science*, 120(6), 979-999.

Ciccacci, S., D'alessandro, L., Fredi, P., & Palmieri, E. L. (1992). Relations between morphometric characteristics and denudational processes in some drainage basins of Italy. *Zeitschrift für Geomorphologie*, 53-67.

Clark, M. K., Maheo, G., Saleeby, J., & Farley, K. A. (2005). The non-equilibrium landscape of the southern Sierra Nevada, California. *GSA Today*, 15(9), 4.

Cockburn, H. A. P., Brown, R. W., Summerfield, M. A., & Seidl, M. A. (2000). Quantifying passive margin denudation and landscape development using a combined fission-track thermochronology and cosmogenic isotope analysis approach. *Earth and Planetary Science Letters*, 179(3-4), 429-435.

- Cockburn, H. A., & Summerfield, M. A. (2004). Geomorphological applications of cosmogenic isotope analysis. *Progress in physical Geography*, 28(1), 1-42.
- Colman, S. M., & Watson, K. (1983). Ages estimated from a diffusion equation model for scarp degradation. *Science*, 221(4607), 263-265.
- Corbett, L. B., Bierman, P. R., & Rood, D. H. (2016). An approach for optimizing in situ cosmogenic ^{10}Be sample preparation. *Quaternary Geochronology*, 33, 24-34.
- Corfield, R. I., Carmichael, S., Bennett, J., Akhter, S., Fatimi, M., & Craig, T. (2010). Variability in the crustal structure of the West Indian Continental Margin in the Northern Arabian Sea. *Petroleum Geoscience*, 16(3), 257-265.
- Cowie, P. A., Phillips, R. J., Roberts, G. P., McCaffrey, K., Zijerveld, L. J. J., Gregory, L. C., & Wilkinson, M. (2017). Orogen-scale uplift in the central Italian Apennines drives episodic behaviour of earthquake faults. *Scientific Reports*, 7(1), 1-10.
- Cruden, D. M. (1988). Thresholds for catastrophic instabilities in sedimentary rock slopes, some examples from the Canadian Rockies. *Z. Geomorphol. NF, Suppl.*, 67, 67-76.
- Cruden, D. M. (1989). Limits to common toppling. *Canadian Geotechnical Journal*, 26(4), 737-742.
- Cruden, D. M., & Hu, X. Q. (1996). Hazardous modes of rock slope movement in the Canadian Rockies. *Environmental & Engineering Geoscience*, 2(4), 507-516.
- Damon, P. E., & Sonett, C. P. (1991). Solar and terrestrial components of the atmospheric ^{14}C variation spectrum. *The sun in time*, 360.
- de Araújo Monteiro, K., Missura, R., & de Barros Correa, A. C. (2010). Application of the Hack index—or stream length-gradient index (SL index)—to the Tracunhaém river watershed, Pernambuco, Brazil. *Geosciences= Geociências*, 29(4), 533-539.
- Delcaillau, B., Carozza, J. M., & Laville, E. (2006). Recent fold growth and drainage development: the Janauri and Chandigarh anticlines in the Siwalik foothills, northwest India. *Geomorphology*, 76(3-4), 241-256.
- Dikau, R., Rasemann, S. and Schmidt, J. (2004). Hillslope Form. In: *Encyclopedia of Geomorphology*. Goudie, A. S. (Ed.). Routledge, London, pp. 516-519.
- Dutton, C. E. (1882). Tertiary history of the Grand Canyon district. *American Journal of Science*, 3(140), 81-89.
- Easterbrook, D. J. (1999). *Surface processes and landforms*. Pearson College Division.

- Eisenhauer, A., Mangini, A., Segl, M., Beer, J., Bonani, G., Suter, M., & Wölfli, W. (1987). High resolution ^{10}Be and ^{230}Th profiles in DSDP Site 580. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 29(1-2), 326-331.
- Elliott, G. M., Wilson, P., Jackson, C. A. L., Gawthorpe, R. L., Michelsen, L., & Sharp, I. R. (2012). The linkage between fault throw and footwall scarp erosion patterns: An example from the Bremstein Fault Complex, offshore Mid-Norway. *Basin Research*, 24(2), 180-197.
- Elliott, G. M., Jackson, C. A. L., Gawthorpe, R. L., Wilson, P., Sharp, I. R., & Michelsen, L. (2017). Late syn-rift evolution of the Vingleia Fault Complex, Halten Terrace, offshore Mid-Norway; a test of rift basin tectono-stratigraphic models. *Basin Research*, 29, 465-487.
- Formento-Trigilio, M. L., & Pazzaglia, F. J. (1998). Tectonic geomorphology of the Sierra Nacimiento: Traditional and new techniques in assessing long-term landscape evolution in the southern Rocky Mountains. *The Journal of Geology*, 106(4), 433-454.
- Forte, A. M., Yanites, B. J., & Whipple, K. X. (2016). Complexities of landscape evolution during incision through layered stratigraphy with contrasts in rock strength. *Earth Surface Processes and Landforms*, 41(12), 1736-1757.
- Fraser, S. I., Robinson, A. M., Johnson, H. D., Underhill, J. R., Kadolsky, D. G. A., Connell, R., & Ravnås, R. (2002). Lower and middle Jurassic. *The Millennium Atlas: Petroleum Geology of the Central and Northern North Sea*. The Geological Society, London, 157-189.
- French, C. A. I. (1992). Alluviated fen-edge prehistoric landscapes in Cambridgeshire, England. *Archeologia del Paesaggio*, Firenze, 709-731.
- García, A. F., Zhu, Z., Ku, T. L., Sanz de Galdeano, C., Chadwick, O. A., & Chacón Montero, J. (2003). Tectonically driven landscape development within the eastern Alpujarran Corridor, Betic cordillera, SE Spain (Almeria). *Geomorphology*, 50(1), 83-110.
- Ghosh, D. N. (1969) Biostratigraphic classification of the Patcham-Chari sequence at the Jumara dome section. *Proc. 56th Ind. Sci. Cong.*, part III, pp. 214.
- Giaconia, F., Booth-Rea, G., Martínez-Martínez, J. M., Azañón, J. M., & Pérez-Peña, J. V. (2012). Geomorphic analysis of the Sierra Cabrera, an active pop-up in the constrictional domain of conjugate strike-slip faults: The Palomares and Polopos fault zones (eastern Betics, SE Spain). *Tectonophysics*, 580, 27-42.
- Gilchrist, A. R., Kooi, H., & Beaumont, C. (1994). Post-Gondwana geomorphic evolution of southwestern Africa: Implications for the controls on landscape development from observations and numerical experiments. *Journal of Geophysical Research: Solid Earth*, 99(B6), 12211-12228.

- Gloaguen, R., Kabner, A., Wobbe, F., Shahzad, F., & Mahmood, A. (2008, July). Remote sensing analysis of crustal deformation using river networks. In IGARSS 2008-2008 IEEE International Geoscience and Remote Sensing Symposium (Vol. 4, pp. IV-1). IEEE.
- Goodall, H. J., Gregory, L. C., Wedmore, L. N., McCaffrey, K. J. W., Amey, R. M. J., Roberts, G. P., & Hooper, A. (2021). Determining histories of slip-on normal faults with bedrock scarps using cosmogenic nuclide exposure data. *Tectonics*, 40(3), e2020TC006457.
- Godard, V., Dosseto, A., Fleury, J., Bellier, O., Siame, L., & ASTER Team. (2019). Transient landscape dynamics across the Southeastern Australian Escarpment. *Earth and Planetary Science Letters*, 506, 397-406.
- Gosse, J. C., & Phillips, F. M. (2001). Terrestrial in situ cosmogenic nuclides: theory and application. *Quaternary Science Reviews*, 20(14), 1475-1560.
- Granger, D. E., Kirchner, J. W., & Finkel, R. C. (1997). Quaternary downcutting rate of the New River, Virginia, measured from differential decay of cosmogenic ^{26}Al and ^{10}Be in cave-deposited alluvium. *Geology*, 25(2), 107-110.
- Granger, D. E., Fabel, D., & Palmer, A. N. (2001). Pliocene–Pleistocene incision of the Green River, Kentucky, determined from radioactive decay of cosmogenic ^{26}Al and ^{10}Be in Mammoth Cave sediments. *Geological Society of America Bulletin*, 113(7), 825-836.
- Granger, D. E., Lifton, N. A., & Willenbring, J. K. (2013). A cosmic trip: 25 years of cosmogenic nuclides in geology. *GSA bulletin*, 125(9-10), 1379-1402.
- Granger, D. E., Gibbon, R. J., Kuman, K., Clarke, R. J., Bruxelles, L., & Caffee, M. W. (2015). New cosmogenic burial ages for Sterkfontein member 2 *Australopithecus* and member 5 Oldowan. *Nature*, 522(7554), 85-88.
- Gunnell, Y., & Fleitout, L. (1998). Shoulder uplift of the Western Ghats passive margin, India: a denudational model. *Earth Surface Processes and Landforms: The Journal of the British Geomorphological Group*, 23(5), 391-404.
- Gupta, A., Kale, V. S., Owen, L. A., & Singhvi, A. K. (2007). Late Quaternary bedrock incision in the Narmada river at Dardi Falls. *Current Science*, 564-567.
- Hack, J. T. (1957). Studies of longitudinal stream profiles in Virginia and Maryland. US Government Printing Office, Vol. 294, 45-97.
- Hack, J. T. (1973). Stream-profile analysis and stream-gradient index. *Journal of Research of the us Geological Survey*, 1(4), 421-429.
- Hancock, G. S., Anderson, R. S., Whipple, K. X., Tinkler, K. J., & Wohl, E. E. (1998). Beyond power: Bedrock River incision process and form. *Geophysical Monograph-American Geophysical Union*, 107, 35-60.

- Handwerger, D. A., Cerling, T. E., & Bruhn, R. L. (1999). Cosmogenic ^{14}C in carbonate rocks. *Geomorphology*, 27(1-2), 13-24.
- Harbor, D., & Gunnell, Y. (2007). Along-strike escarpment heterogeneity of the Western Ghats: a synthesis of drainage and topography using digital morphometric tools. *Journal-Geological Society of India*, 70(3), 411.
- Hesthammer, J., & Fossen, H. (1999). Evolution and geometries of gravitational collapse structures with examples from the Statfjord Field, northern North Sea. *Marine and Petroleum Geology*, 16(3), 259-281.
- Horton, R. E. (1932). Drainage-basin characteristics. *Transactions, American geophysical union*, 13(1), 350-361.
- Horton, R. E. (1945). Erosional development of streams and their drainage basins; hydrophysical approach to quantitative morphology. *Geological society of America bulletin*, 56(3), 275-370.
- Howard, A. D. (1994). A detachment-limited model of drainage basin evolution. *Water resources research*, 30(7), 2261-2285.
- Ivy-Ochs, S., & Kober, F. (2008). Surface exposure dating with cosmogenic nuclides. *E&G Quaternary Science Journal*, 57(1/2), 179-209.
- Jha, R., & Lal, D. (1982). Cosmic ray produced isotopes in surface rocks. In *Natural radiation environment*.
- Jordan, G. (2003). Morphometric analysis and tectonic interpretation of digital terrain data: a case study. *Earth Surface Processes and Landforms: The Journal of the British Geomorphological Research Group*, 28(8), 807-822.
- Kale, V. S. (2003). Geomorphic effects of monsoon floods on Indian rivers. In *Flood problem and management in South Asia* (pp. 65-84). Springer, Dordrecht.
- Kale, V. S., & Shejwalkar, N. (2007). Western Ghat escarpment evolution in the Deccan Basalt Province: geomorphic observations based on DEM analysis. *JOURNAL-GEOLOGICAL SOCIETY OF INDIA*, 70(3), 459.
- Kalish, J. M. (1994). Investigating global change and fish biology with fish otolith radiocarbon. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 92(1-4), 421-425.
- Keller, E.A. & Pinter, N. (2002). *Active tectonics: Earthquakes, Uplift and Landscapes*, second edition. Prentice Hall: New Jersey, 338 pp.

- Kim, K. J., & Nam, S. I. (2010). Climatic signals from the ^{10}Be records of the Korean marine sediments. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 268(7-8), 1248-1252.
- King, L. C. (1953). Canons of landscape evolution. *Geological Society of America Bulletin*, 64(7), 721-752.
- Kingston, D. R., Dishroon, C. P., & Williams, P. A. (1983). Global basin classification system. *AAPG bulletin*, 67(12), 2175-2193.
- Kirby, E., & Whipple, K. X. (2012). Expression of active tectonics in erosional landscapes. *Journal of structural geology*, 44, 54-75.
- Kooi, H., & Beaumont, C. (1994). Escarpment evolution on high-elevation rifted margins: Insights derived from a surface processes model that combines diffusion, advection, and reaction. *Journal of Geophysical Research: Solid Earth*, 99(B6), 12191-12209.
- Korschinek, G., Bergmaier, A., Faestermann, T., Gerstmann, U. C., Knie, K., Rugel, G., & Remmert, A. (2010). A new value for the half-life of ^{10}Be by heavy-ion elastic recoil detection and liquid scintillation counting. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 268(2), 187-191.
- Klinger, Y., Michel, R., & King, G. C. P. (2006). Evidence for an earthquake barrier model from $M_w \sim 7.8$ Kokoxili (Tibet) earthquake slip-distribution. *Earth and Planetary Science Letters*, 242(3-4), 354-364.
- Kühni, A., & Pfiffner, O. A. (2001). The relief of the Swiss Alps and adjacent areas and its relation to lithology and structure: topographic analysis from a 250-m DEM. *Geomorphology*, 41(4), 285-307.
- Kumar, A., Maurya, D. M., Khonde, N., Phartiyal, B., Arif, M., Giosan, L., & Chamyal, L. S. (2021). Holocene paleoenvironmental changes in the marginal marine basin of Great Rann of Kachchh, western India: Insights from sedimentological and mineral magnetic studies on a ~ 60 m long core. *Quaternary International*, 599, 138-147.
- Lal, D., & Peters, B. (1967). Cosmic ray produced radioactivity on the Earth. In *Kosmische Strahlung II/Cosmic Rays II* (pp. 551-612). Springer, Berlin, Heidelberg.
- Lal, D. (1988). In situ-produced cosmogenic isotopes in terrestrial rocks. *Annual Review of Earth and Planetary Sciences*, 16, 355-388.
- Lal, D. (1991). Cosmic ray labeling of erosion surfaces: in situ nuclide production rates and erosion models. *Earth and Planetary Science Letters*, 104(2-4), 424-439.
- Larue, J. P. (2008). Effects of tectonics and lithology on long profiles of 16 rivers of the southern Central Massif border between the Aude and the Orb (France). *Geomorphology*, 93(3-4), 343-367.

- Leeder, M. R., & Jackson, J. A. (1993). The interaction between normal faulting and drainage in active extensional basins, with examples from the western United States and central Greece. *Basin research*, 5(2), 79-102.
- Leland, J., Reid, M. R., Burbank, D. W., Finkel, R., & Caffee, M. (1998). Incision and differential bedrock uplift along the Indus River near Nanga Parbat, Pakistan Himalaya, from ^{10}Be and ^{26}Al exposure age dating of bedrock straths. *Earth and Planetary Science Letters*, 154(1-4), 93-107.
- Lin, A., Ren, Zh., Jia, D. & Wu, X. (2009). Co-seismic thrusting rupture and slip distribution produced by the 2008 Mw 7.9 Wenchuan earthquake, China, *Tectonophysics*. doi 10.1016/j.tecto.2009.02.014.
- Lupker, M., Blard, P. H., Lavé, J., France-Lanord, C., Leanni, L., Puchol, N., & Bourlès, D. (2012). ^{10}Be -derived Himalayan denudation rates and sediment budgets in the Ganga basin. *Earth and Planetary Science Letters*, 333, 146-156.
- Mackey, B. H., Roering, J. J., & McKean, J. A. (2009). Long-term kinematics and sediment flux of an active earthflow, Eel River, California. *Geology*, 37(9), 803-806.
- Mandal, P., & Chadha, R. K. (2008). Three-dimensional velocity imaging of the Kachchh seismic zone, Gujarat, India. *Tectonophysics*, 452(1-4), 1-16.
- Mandal, S. K., Lupker, M., Burg, J. P., Valla, P. G., Haghipour, N., & Christl, M. (2015). Spatial variability of ^{10}Be -derived erosion rates across the southern Peninsular Indian escarpment: A key to landscape evolution across passive margins. *Earth and Planetary Science Letters*, 425, 154-167.
- Maurya, D. M., Thakkar, M. G., & Chamyal, L. S. (2003). Implications of transverse fault system on tectonic evolution of Mainland Kachchh, western India. *Current Science*, 661-667.
- Maurya, D. M., Chowksey, V., Patidar, A. K., & Chamyal, L. S. (2017). A review and new data on neotectonic evolution of active faults in the Kachchh Basin, Western India: legacy of post-Deccan Trap tectonic inversion. *Geological Society, London, Special Publications*, 445(1), 237-268.
- Maurya, D. M., Tiwari, P., Shaikh, M., Patidar, A. K., Vanik, N., Padmalal, A., & Chamyal, L. S. (2021). Late Quaternary drainage reorganization assisted by surface faulting: The example of the Katrol Hill Fault zone, Kachchh, western India. *Earth Surface Processes and Landforms*, 46(7), 1268-1293.
- Maurya, D. M., Chowksey, V., Shaikh, M. A., Patidar, A. K., Padmalal, A., & Chamyal, L. S. (2022). Mapping the near-surface trace of the seismically active Kachchh Mainland Fault and its lateral extension in the blind zone, Western India. *Near Surface Geophysics*, 20(5), 544-566.
- McCalpin, J.P., 2009. *Paleoseismology*, second ed. Academic press, Cambridge.

- McCarroll, N. R., Pederson, J. L., Hidy, A. J., & Rittenour, T. M. (2021). Chronostratigraphy of talus flatirons and piedmont alluvium along the Book Cliffs, Utah—Testing models of dryland escarpment evolution. *Quaternary Science Reviews*, 274, 107286.
- McLeod, A. E., Underhill, J. R., Davies, S. J., & Dawers, N. H. (2002). The influence of fault array evolution on synrift sedimentation patterns: Controls on deposition in the Strathspey-Brent-Statfjord half graben, northern North Sea. *AAPG bulletin*, 86(6), 1061-1093.
- Mechernich, S., Schneiderwind, S., Mason, J., Papanikolaou, I. D., Deligiannakis, G., Pallikarakis, A., & Reicherter, K. (2018). The seismic history of the Pisía fault (eastern Corinth rift, Greece) from fault plane weathering features and cosmogenic ^{36}Cl dating. *Journal of Geophysical Research: Solid Earth*, 123(5), 4266-4284.
- Meentemeyer, R. K., & Moody, A. (2000). Automated mapping of conformity between topographic and geological surfaces. *Computers & Geosciences*, 26(7), 815-829.
- Menges, C.M., 1988, The tectonic geomorphology of mountain front landforms in the Northern Rio-Grande Rift near Taos, New Mexico, Ph.D. Dissertation, The University of New Mexico, Albuquerque, New Mexico.
- Meyer, B., Armijo, R., & Dimitrov, D. (2002). Active faulting in SW Bulgaria: possible surface rupture of the 1904 Struma earthquakes. *Geophysical Journal International*, 148(2), 246-255.
- Miall, A. D. (1996). *The geology of fluvial deposits*; Springer, Berlin, 582p.
- Miliaresis, G., & Iliopoulou, P. (2004). Clustering of Zagros Ranges from the Globe DEM representation. *International Journal of Applied Earth Observation and Geoinformation*, 5(1), 17-28.
- Milliman, J. D., & Syvitski, J. P. (1992). Geomorphic/tectonic control of sediment discharge to the ocean: the importance of small mountainous rivers. *The journal of Geology*, 100(5), 525-544.
- Mishev, A., & Velinov, P. I. (2007). Cosmic Ray Induced Ionization in the Atmosphere Due to Primary Protons at Solar Minimum and Maximum on the Basis of CORSIKA Code Simulations. *COMPTES RENDUS-ACADEMIE DES SCIENCES, 60(11)*, 1231.
- Mitchell, S. G., Matmon, A., Bierman, P. R., Enzel, Y., Caffee, M., & Rizzo, D. (2001). Displacement history of a limestone normal fault scarp, northern Israel, from cosmogenic ^{36}Cl . *Journal of Geophysical Research: Solid Earth*, 106(B3), 4247-4264.
- Mohan, K., Chaudhary, P., Patel, P., Chaudhary, B. S., & Chopra, S. (2018). Magnetotelluric study to characterize Kachchh Mainland Fault (KMF) and Katrol Hill Fault (KHF) in the western part of Kachchh region of Gujarat, India. *Tectonophysics*, 726, 43-61.
- Morisawa, M. (1985). *Rivers: Form and Process*. Longman, London, p 222.

- Morley, C.K. (1999). Basin evolution trends in East Africa. In: Morley, C.K. (ed.) *Geoscience of Rift Systems –Evolution of East Africa*. AAPG, Studies in Geology, 44, 131–150.
- Nagai, H., Tada, W., & Kobayashi, T. (2000). Production rates of ^7Be and ^{10}Be in the atmosphere. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 172(1-4), 796-801.
- Nishiizumi, K. (2004). Preparation of ^{26}Al AMS standards. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 223, 388-392.
- Nash, D. B. (1980). Morphologic dating of degraded normal fault scarps. *The Journal of Geology*, 88(3), 353-360.
- Nash, D. B. (1987). Reevaluation of the linear-diffusion model for morphologic dating of scarps. In *Proceedings of conference XXXIX directions in paleoseismology*, open-file report (pp. 87-673).
- Nash, D. (2013). 5.10 Tectonic Geomorphology of normal fault scarps. In: *Treatise on Geomorphology* (Ed. by JFShroder), Academic Press, San Diego. p. 234–249.
- Nones, M. (2019). Numerical modelling as a support tool for river habitat studies: An Italian case study. *Water*, 11(3), 482.
- Oldham, R. D. (1926). The Cutch (Kachh) earthquake of 16th June, 1819: with a revision of the great earthquake of 12th June, 1897 (Vol. 46). Government of India, Central Publication Branch.
- Ohmori, H. (1993). Changes in the hypsometric curve through mountain building resulting from concurrent tectonics and denudation. *Geomorphology*, 8(4), 263-277.
- Padmalal, A., Khonde, N., Maurya, D. M., Shaikh, M., Kumar, A., Vanik, N., & Chamyal, L. S. (2019). Geomorphic characteristics and morphologic dating of the Allah Bund Fault scarp, great rann of Kachchh, western India. In *Tectonics and Structural Geology: Indian Context* (pp. 55-74). Springer, Cham.
- Patidar, A.K. (2010) Neotectonic studies in southern mainland Kachchh using GPR with special reference to Katrol Hill Fault. Ph.D. Thesis, The M. S. University of Baroda, Vadodara. p. 163.
- Parker, G., & Perg, L. A. (2005). Probabilistic formulation of conservation of cosmogenic nuclides: effect of surface elevation fluctuations on approach to steady state. *Earth Surface Processes and Landforms: The Journal of the British Geomorphological Research Group*, 30(9), 1127-1144.
- Peters, G., & van Balen, R. T. (2007). Pleistocene tectonics inferred from fluvial terraces of the northern Upper Rhine Graben, Germany. *Tectonophysics*, 430(1-4), 41-65.

- Phillips, F. M., Ayarbe, J. P., Harrison, J. B. J., & Elmore, D. (2003). Dating rupture events on alluvial fault scarps using cosmogenic nuclides and scarp morphology. *Earth and Planetary Science Letters*, 215(1-2), 203-218.
- Pinheiro, M. R., & de Queiroz Neto, J. P. (2017). From the semiarid landscapes of southwestern USA to the wet tropical zone of southeastern Brazil: Reflections on the development of cuestas, pediments, and talus. *Earth-Science Reviews*, 172, 27-42.
- Portenga, E. W., & Bierman, P. R. (2011). Understanding Earth's eroding surface with ^{10}Be .
- Powell, J. W. (1875). *Exploration of the Colorado River of the West and its Tributaries*. Government Printing Office, Washington, DC, p 291.
- Pusok, A. E., & Stegman, D. R. (2020). The convergence history of India-Eurasia records multiple subduction dynamics processes. *Science advances*, 6(19), eaaz8681.
- Rajendran, K., Rajendran, C. P., Thakkar, M., & Tuttle, M. P. (2001). The 2001 Kutch (Bhuj) earthquake: Coseismic surface features and their significance. *Current Science*, 1397-1405.
- Rajendran, C. P., Rajendran, K., Thakkar, M., & Goyal, B. (2008). Assessing the previous activity at the source zone of the 2001 Bhuj earthquake based on the near-source and distant paleoseismological indicators. *Journal of Geophysical Research: Solid Earth*, 113(B5).
- Rajnath (1932). A contribution to the stratigraphy of Kutch. *Quart. Journal Geol. Min. Met. Soc. India*, v.4(4), 161-174.
- Ritter, D.E., Kochel, R.C., and Miller, J.R., 2011 *Process Geomorphology*, Waverland Press, INC, Fifth edition, 85-415.
- Roy, A. B., & Purohit, R. (2018). *Indian shield: Precambrian evolution and Phanerozoic reconstitution*. Elsevier.
- Rust, B. R. (1978). Depositional models for braided alluvium, In: *Fluvial Sedimentology* (ed.) Miall, A. D, Can. Soc. Petrol. Geol. Mem, 5, 605–625.
- Salgado, A. A., Marent, B. R., Cherem, L. F., Bourlès, D., Santos, L. J., Braucher, R., & Barreto, H. N. (2014). Denudation and retreat of the serra do mar escarpment in Southern Brazil derived from in situ-produced ^{10}Be concentration in river sediment. *Earth Surface Processes and Landforms*, 39(3), 311-319.
- San'kov, V., Déverchère, J., Gaudemer, Y., Houdry, F., & Filippov, A. (2000). Geometry and rate of faulting in the North Baikal Rift, Siberia. *Tectonics*, 19(4), 707-722.
- Saraswati, P. K., Khanolkar, S., & Banerjee, S. (2018). Paleogene stratigraphy of Kutch, India: an update about progress in foraminiferal biostratigraphy. *Geodinamica Acta*, 30(1), 100-118.
- Schlagenhauf, A., Gaudemer, Y., Benedetti, L., Manighetti, I., Palumbo, L., Schimmelpfennig, I., & Pou, K. (2010). Using in situ Chlorine-36 cosmonuclide to recover past earthquake

histories on limestone normal fault scarps: a reappraisal of methodology and interpretations. *Geophysical Journal International*, 182(1), 36-72.

Schumm, S. A. (1956). Evolution of drainage systems and slopes in badlands at Perth Amboy, New Jersey. *Geological society of America bulletin*, 67(5), 597-646.

Schumm, S. A., & Chorley, R. J. (1966). Talus weathering and scarp recession in the Colorado Plateaus. *US Geological Survey*, 11-36.

Schumm, S. A., Mosley, M. P., & Weaver, W. (1987). *Experimental fluvial geomorphology*. Wiley & Sons, New York, 413.

Seeber, L., & Gornitz, V. (1983). River profiles along the Himalayan arc as indicators of active tectonics. *Tectonophysics*, 92(4), 335-367.

Seidl, M. A., Finkel, R. C., Caffee, M. W., Hudson, G. B., & Dietrich, W. E. (1997). Cosmetic isotope analyses applied to river longitudinal profile evolution: problems and interpretations. *Earth Surface Processes and Landforms: The Journal of the British Geomorphological Group*, 22(3), 195-209.

Sen, G., Bizimis, M., Das, R., Paul, D. K., Ray, A., & Biswas, S. (2009). Deccan plume, lithosphere rifting, and volcanism in Kutch, India. *Earth and Planetary Science Letters*, 277(1-2), 101-111.

Sen, G., Hames, W. E., Paul, D. K., Biswas, S. K., Ray, A., & Sen, I. S. (2016). Pre-Deccan and Deccan magmatism in Kutch, India: implications of new $^{40}\text{Ar}/^{39}\text{Ar}$ ages of intrusions. *Spec. Publ. J. Geol. Soc. India*, 6, 211-222.

Shaikh, M. A., Maurya, D. M., Vanik, N. P., Padmalal, A., Chamyal, L.S. (2019). Uplift induced structurally controlled landscape development: example from fault bounded Jumara and Jara domes in Northern Hill Range, Kachchh, Western India. *Geoscience Journal*, 23, 575–593.

Shaikh, M. A., Patidar, A. K., Maurya, D. M., Vanik, N. P., Padmalal, A., Tiwari, P., & Chamyal, L. S. (2022). Building tectonic framework of a blind active fault zone using field and ground-penetrating radar data. *Journal of Structural Geology*, 155, 104526.

Sharma, K., Bhatt, N., Shukla, A. D., Cheong, D. K., & Singhvi, A. K. (2017). Optical dating of late Quaternary carbonate sequences of Saurashtra, western India. *Quaternary Research*, 87(1), 133-150.

Sharp, I. R., Gawthorpe, R. L., Underhill, J. R., & Gupta, S. (2000). Fault-propagation folding in extensional settings: Examples of structural style and synrift sedimentary response from the Suez rift, Sinai, Egypt. *Geological Society of America Bulletin*, 112(12), 1877-1899.

- Shejwalkar, N.S. (2007) The morphology and erosional history of the deccan basalt province - a GIS_based approach. Ph.D. Thesis, Department of Geography, Savitribai Phule Pune University, Pune. p. 139. <http://hdl.handle.net/10603/172405>
- Singh, T., & Awasthi, A. K. (2010). Stream profiles as indicator of active tectonic deformation along the Intra-Foreland Thrust, Nahan Salient, NW India. *Current Science*, 95-98.
- Smith, K. G. (1950). Standards for grading texture of erosional topography. *American journal of Science*, 248(9), 655-668.
- Snow, R. S., & Slingerland, R. L. (1990). Stream profile adjustment to crustal warping: nonlinear results from a simple model. *The Journal of Geology*, 98(5), 699-708.
- Somayajulu, B. L. K. (1993). Age and mineralogy of the miliolites of Saurashtra and Kachchh, Gujarat. *Current Science (Bangalore)*, 64(11-12), 926-928.
- Štěpančíková, P., Stemberk, J., Vilímek, V., & Košťák, B. (2008). Neotectonic development of drainage networks in the East Sudeten Mountains and monitoring of recent fault displacements (Czech Republic). *Geomorphology*, 102(1), 68-80.
- Stewart, I. S., & Hancock, P. L. (1988). Normal fault zone evolution and fault scarp degradation in the Aegean region. *Basin Research*, 1(3), 139-153.
- Stewart, I. S., & Hancock, P. L. (1990). What is a fault scarp?. *Episodes Journal of International Geoscience*, 13(4), 256-263.
- Stewart, S. A., & Reeds, A. (2003). Geomorphology of kilometer-scale extensional fault scarps: factors that impact seismic interpretation. *AAPG bulletin*, 87(2), 251-272.
- Stock, G. M., Anderson, R. S., & Finkel, R. C. (2004). Pace of landscape evolution in the Sierra Nevada, California, revealed by cosmogenic dating of cave sediments. *Geology*, 32(3), 193-196.
- Stone, J. O. (2000). Air pressure and cosmogenic isotope production. *Journal of Geophysical Research: Solid Earth*, 105(B10), 23753-23759.
- Strahler, A. N. (1957). Quantitative analysis of watershed geomorphology. *Eos, Transactions American Geophysical Union*, 38(6), 913-920.
- Strahler, A.N. (1964). Part II. Quantitative geomorphology of drainage basins and channel networks. *Handbook of Applied Hydrology*: McGraw-Hill, New York, 4-39.
- Snyder, N. P., Whipple, K. X., Tucker, G. E., & Merritts, D. J. (2000). Landscape response to tectonic forcing: Digital elevation model analysis of stream profiles in the Mendocino triple junction region, northern California. *Geological Society of America Bulletin*, 112(8), 1250-1263.

- Taloor, A. K., Joshi, L. M., Kotlia, B. S., Alam, A., Kothiyari, G. C., Kandregula, R. S., & Dumka, R. K. (2021). Tectonic imprints of landscape evolution in the Bhilangana and Mandakini basin, Garhwal Himalaya, India: a geospatial approach. *Quaternary International*, 575, 21-36.
- Tepe, Ç., & Sözbilir, H. (2017). Tectonic geomorphology of the Kemalpaşa Basin and surrounding horsts, southwestern part of the Gediz Graben, Western Anatolia. *Geodinamica acta*, 29(1), 70-90.
- Tesson, J., Pace, B., Benedetti, L., Visini, F., Delli Rocoli, M., Arnold, M., & Keddadouche, K. (2016). Seismic slip history of the Pizzalto fault (central Apennines, Italy) using in situ-produced ^{36}Cl cosmic ray exposure dating and rare earth element concentrations. *Journal of Geophysical Research: Solid Earth*, 121(3), 1983-2003.
- Tesson, J., & Benedetti, L. (2019). Seismic history from in situ ^{36}Cl cosmogenic nuclide data on limestone fault scarps using Bayesian reversible jump Markov chain Monte Carlo. *Quaternary Geochronology*, 52, 1-20.
- Thakkar, M. G., Goyal, B., Patidar, A. K., Maurya, D. M., & Chamyal, L. S. (2006). Bedrock gorges in the central mainland Kachchh: Implications for landscape evolution. *Journal of earth system science*, 115(2), 249-256.
- Thakkar, M. G., Maurya, D. M., Raj, R., & Chamyal, L. S. (1999). Quaternary tectonic history and terrain evolution of the area around Bhuj, Mainland Kachchh, western India. *Journal-Geological Society of India*, 53, 601-610.
- Thakkar, M. G., Ngangom, M., Thakker, P. S., & Juyal, N. (2012). Terrain response to the 1819 Allah Bund earthquake in western great rann of Kachchh, Gujarat, India. *Current Science*, 208-212.
- Thakur, V. C., & Wesnousky, S. G. (2002). Seismotectonics of 26 January 2001 Bhuj earthquake-affected region. *Current science*, 82(4), 396-399.
- Tandon, A. N. (1959). The Rann of Cutch earthquake of 21 July 1956. *MAUSAM*, 10(2), 137-146.
- Tiwari, P., Maurya, D. M., Shaikh, M., Patidar, A. K., Vanik, N., Padmalal, A., & Chamyal, L. S. (2021). Surface trace of the active Katrol Hill Fault and estimation of paleo-earthquake magnitude for seismic hazard, Western India. *Engineering Geology*, 295, 106416.
- Tucker, G. E., & Slingerland, R. L. (1994). Erosional dynamics, flexural isostasy, and long-lived escarpments: A numerical modeling study. *Journal of Geophysical Research: Solid Earth*, 99(B6), 12229-12243.

- Tucker, G. E., McCoy, S. W., Whittaker, A. C., Roberts, G. P., Lancaster, S. T., & Phillips, R. (2011). Geomorphic significance of postglacial bedrock scarps on normal-fault footwalls. *Journal of Geophysical Research: Earth Surface*, 116(F1).
- Trauerstein, M., Norton, K. P., Preusser, F., & Schlunegger, F. (2013). Climatic imprint on landscape morphology in the western escarpment of the Andes. *Geomorphology*, 194, 76-83.
- Twidale, C. R., & Milnes, A. R. (1983). Slope processes active late in arid scarp retreat. *Zeitschrift für Geomorphologie*, 343-361.
- Valdiya, K. S., & Sanwal, J. (2017). Neotectonism in the Indian Subcontinent: landscape evolution. Elsevier.
- Vanacker, V., von Blanckenburg, F., Hewawasam, T., & Kubik, P. W. (2007). Constraining landscape development of the Sri Lankan escarpment with cosmogenic nuclides in river sediment. *Earth and Planetary Science Letters*, 253(3-4), 402-414.
- Von Blanckenburg, F. (2006). The control mechanisms of erosion and weathering at basin scale from cosmogenic nuclides in river sediment. *Earth and Planetary Science Letters*, 242(3-4), 224-239.
- von Blanckenburg, F., Bouchez, J., & Wittmann, H. (2012). Earth surface erosion and weathering from the ^{10}Be (meteoric)/ ^9Be ratio. *Earth and Planetary Science Letters*, 351, 295-305.
- von Blanckenburg, F., & Willenbring, J. K. (2014). Cosmogenic nuclides: Dates and rates of Earth-surface change. *Elements*, 10(5), 341-346.
- Wallace, R. E. (1977). Profiles and ages of young fault scarps, north-central Nevada. *Geological Society of America Bulletin*, 88(9), 1267-1281.
- Wallace, R. E. (1978). Geometry and rates of change of fault-related fronts, north-central Nevada. *J. Res. U. S. Geol. Surv.*, 6, 637-650.
- Walcott, R. C., & Summerfield, M. A. (2008). Scale dependence of hypsometric integrals: an analysis of southeast African basins. *Geomorphology*, 96(1-2), 174-186.
- Wang, Y., & Willett, S. D. (2021). Escarpment retreat rates derived from detrital cosmogenic nuclide concentrations. *Earth Surface Dynamics*, 9(5), 1301-1322.
- Welbon, A. I. F., Brockbank, P. J., Brunsden, D., & Olsen, T. S. (2007). Characterizing and producing from reservoirs in landslides: challenges and opportunities. Geological Society, London, Special Publications, 292(1), 49-74.
- Whipple, K. X., & Tucker, G. E. (1999). Dynamics of the stream-power river incision model: Implications for height limits of mountain ranges, landscape response timescales, and research needs. *Journal of Geophysical Research: Solid Earth*, 104(B8), 17661-17674.

- Whipple, K. X., Hancock, G. S., & Anderson, R. S. (2000). River incision into bedrock: Mechanics and relative efficacy of plucking, abrasion, and cavitation. *Geological Society of America Bulletin*, 112(3), 490-503.
- Whipple, K. X. (2004). Bedrock rivers and the geomorphology of active orogens. *Annu. Rev. Earth Planet. Sci.*, 32, 151-185.
- Widdowson, M. (1997). Tertiary palaeosurfaces of the SW Deccan, Western India: implications for passive margin uplift. *Geological Society, London, Special Publications*, 120(1), 221-248.
- Willett, S. D., McCoy, S. W., & Beeson, H. W. (2018). Transience of the North American High Plains landscape and its impact on surface water. *Nature*, 561(7724), 528-532.
- Wynne, A. B. (1872). Memoir on the Geology of Kutch, to accompany a map compiled by A. B. Wynne and F. Fedden, during the season 1867-68 and 1868-69. *Memoir of Geological Survey of India*, 9, pt-1.
- Yeats, R. S., Sieh, K. & Allen, C. R. (1997). *The Geology of Earthquake*, Oxford Univ. Press, Oxford, 568.
- Zaidi, F. K. (2011). Drainage basin morphometry for identifying zones for artificial recharge: A case study from the Gagas River Basin, India. *Journal of the Geological Society of India*, 77(2), 160-166.
- Zreda, M., & Noller, J. S. (1998). Ages of prehistoric earthquakes revealed by cosmogenic chlorine-36 in a bedrock fault scarp at Hebgen Lake. *Science*, 282(5391), 1097-1099.