

References

- Acharyya, S.K., Ray, K.K., and Roy, D.K., (1989) Tectonic stratigraphy and emplacement history of the ophiolite assemblage from Naga Hills and Andaman island arc, India, *Journal of the Geological Society of India*, **33**, 4-18.
- Acharyya, S.K., Ray, K.K., and Sengupta, S., (1990) Tectonics of the ophiolite belt from Naga Hills and Andaman Islands, India, *Proceedings Indian Academy Science (Earth Planetary Science)*, **99**, 187-199.
- Acharyya, S. K., (1992) Pan-Indian Gondwana plate break-up, rewelding and evolution of the Himalaya, Indo-Burmese range and Andaman Island arc, Himalayan Orogen and Global Tectonics, *Wiley, Hoboken*, 77-89.
- Acharyya, S.K., (1997) Stratigraphy and tectonic history reconstruction of the India-Burma-Andaman mobile belt, *Indian Journal of Geology*, **69**, 211-234.
- Acharyya, S.K., (1998) Break-up of the greater Indo-Australian continent and accretion of blocks framing south and east Asia, *Journal of Geodynamics*, **26**, 149-170.
- Ahmad, T., Harris, N., Bickle, M., Chapman, H., Bunbury, J., and Prince, C., (2000) Isotopic constraints on the structural relationships between the lesser Himalayan series and the high Himalayan crystalline series, Garhwal Himalaya, *Geological Society of America Bulletin*, **112**(3), 467-477.
- Ahmad, S.M., Anil Babu, G., Padmakumari, V.M., Dayal, A.M., Sukhija, B.S. and Nagabhushanam, P., (2005) Sr, Nd isotopic evidence of terrigenous flux variations in the Bay of Bengal: Implications of monsoons during the last ~34,000 years, *Geophysical Research Letters*, **32**, 1-4.
- Alagarsamy, R., You, C.F., Nath, B.N., and Kumar, A.V., (2010) Determination of rare earth, major and trace elements in authigenic fraction of Andaman Sea (Northeastern Indian Ocean) sediments by Inductively Coupled Plasma-Mass Spectrometry, *Microchemical Journal*, **94**(1), 90-97.
- Alam, M., Alam, M.M., Curray, J.R., Chowdhury, M., and Gani, M.R., (2003) An overview of the sedimentary geology of the Bengal Basin in relation to the regional tectonic framework and basin-fill history. *Sedimentary Geology*, **155**(3), 179-208.
- Allen, R., Carter, A., Najman, Y., Bandopadhyay, P.C., Chapman, H.J., Bickle, M.J., Garzanti, E., Vezzoli, G., Andò, S., Forster, G.L., and Gerring, C., (2007) New constraints on the sedimentation and uplift history of the Andaman-Nicobar accretionary prism, South Andaman Island In: Draut, A., Clift, P.D., and Scholl, D.W. (Eds.), *Formation and Applications of the Sedimentary Record in Arc Collision Zones*, *Geological Society of America Special Paper*, **436**, 223-254.
- Allen, R., Najman, Y., Carter, A., Barfod, D., Bickle, M.J., Chapman, H., Garzanti, J., E., Vezzoli, G., Ando, S., and Parrish, R. R., (2008) Provenance of the Tertiary

- sedimentary rocks of the Indo-Burman Ranges, Burma (Myanmar): Burman arc or Himalayan-derived? *Journal of the Geological Society, London*, **165**, 1045–1057.
- Alley, R.B., Mayewski, P.A., Sowers, T., Stuiver, M., Taylor, K.C., and Clark, P.U., (1997) Holocene climatic instability: A prominent, widespread event 8200 yr ago, *Geology*, **25**(6), 483–486.
- Anderson, D.M., and Prell, W.L., (1991) Coastal upwelling gradient during the Late Pleistocene, Proceedings of the Ocean Drilling Program (eds), *Prell WL and Niitsuma N et al, Scientific Results*, **117**, 265–276.
- Anderson, D.M., and Prell, W.L. (1993) A 300 kyr record of upwelling off Oman during the late Quaternary: evidence of the Asian southwest monsoon, *Paleoceanography*, **8**(2), 193–208.
- Augé, T., Cocherie, A., Genna, A., Armstrong, R., Guerrot, C., Mukherjee, M. M., and Patra, R. N., (2003) Age of the Baula PGE mineralization (Orissa, India) and its implications concerning the Singhbhum Archaean nucleus, *Precambrian Research*, **121**(1), 85–101.
- Ball, V., (1870) Notes on the geology of the vicinity of Port Blair, Andaman Islands, *Journal Asiatic Society of Bengal*, **39**, 231–239.
- Bandopadhyay, P.C., and Ghosh, M., (1998) Facies, petrology and depositional environment of the Tertiary sedimentary rocks, around Port Blair, South Andaman, *Journal Geological Society of India*, **52**, 53–66.
- Bandopadhyay, P.C., (2005) Discovery of abundant pyroclasts in Namunagarh Grit, South Andaman; evidence for arc volcanism and active subduction during the Palaeogene in the Andaman area, *Journal of Asian Earth Sciences*, **25**, 95–107.
- Banerjee, D., (2010) Thermoluminescence and optically stimulated luminescence signals from volcanic ash: history of volcanism in Barren Island, Andaman Sea, *Quaternary Geochronology*, **5**(2), 279–282.
- Banghar, A.R., (1987) Seismo-tectonics of the Andaman-Nicobar islands, *Tectonophysics*, **133**(1), 95–104.
- Barley, M.E., Pickard, A.L., Zaw, K., Rak, P. and Doyle, M.G., (2003) Jurassic to Miocene magmatism and metamorphism in the Mogok metamorphic belt and the India–Eurasia collision in Myanmar, *Tectonics*, **22**, 1019.
- Besse, J., and Courtillot, V., (2002) Apparent and true polar wander and the geometry of the geomagnetic field over the last 200 Myr, *Journal of Geophysical Research*, **107**(B11), 2300.
- Bhatia, M.R., (1983) Plate tectonics and geochemical composition of sandstones, *The Journal of Geology*, 611–627.

- Bhatia, M.R., and Crook, K.A., (1986) Trace element characteristics of graywackes and tectonic setting discrimination of sedimentary basins, *Contributions to mineralogy and petrology*, **92(2)**, 181-193.
- Bilham, R., Engdahl, R., Feldl, N., and Satyabala, S. P., (2005) Partial and complete rupture of the Indo-Andaman plate boundary 1847-2004, *Seismological Research Letters*, **76(3)**, 299-311.
- Bookhagen, B., Thiede, R.C. and Strecker, M.R., (2005) Late Quaternary intensified monsoon phases control landscape evolution in the northwest Himalaya, *Geology*, **33**, 149-152.
- Burton, K.W., and Vance, D., (2000) Glacial-interglacial variations in the neodymium isotope composition of seawater in the Bay of Bengal recorded by planktonic foraminifera, *Earth and Planetary Science Letters*, **176(3)**, 425-441.
- Byrne, D.E., Sykes, L.R., and Davis, D.M., (1992) Great thrust earthquakes and aseismic slip along the plate boundary of the Makran subduction zone, *Journal Geophysical Research*, **97**, 449-478.
- Carel M., Siani G., and Delpech G.M., (2011) Tephrostratigraphy of a deep-sea sediment sequence off the south Chilean margin: New insight into the Hudson volcanic activity since the last glacial period, *Journal of Volcanology and Geothermal Research*, **208**, 99-111.
- Chakrabarti, P., Nag, S., Dutta, S. B., Dasgupta, S., and Gupta, N., (2006) S & T input: Earthquake and tsunami effects, Andaman Islands, India, *Geomatics in tsunami*, 37-62.
- Chakraborty, P.P., Pal, T., Gupta, T.D., and Gupta, K.S., (1999) Facies pattern and depositional motif in an immature trench-slope basin, Eocene Mithakhari Group, Middle Andaman Island, India, *Journal Geological Society India*, **53**, 271-284.
- Chakraborty, P.P., and Pal, T., (2001) Anatomy of a forearc submarine fan: Upper Eocene-Oligocene Andaman Flysch Group, Andaman Islands, India, *Gondwana Research*, **4**, 477-486.
- Chakraborty, P.P., Mukhopadhyay, B., Pal, T., and Gupta, T.D., (2002) Statistical appraisal of bed thickness patterns in turbidite successions, Andaman Flysch Group, Andaman Islands, India, *Journal of Asian Earth Sciences*, **21**, 189-196.
- Chakraborty, P.P., and Khan, P.K., (2008) Cenozoic geodynamic evolution of the Andaman-Sumatra subduction margin: Current understanding, *Island Arc*, **18(1)**, 184-200.
- Chandrasekharam, D., Santo, A.P., Capaccioni, B., Vaselli, O., Alam, M.A., Manetti, P., and Tassi, F., (2009) Volcanological and petrological evolution of Barren

- Island (Andaman Sea, Indian Ocean), *Journal of Asian Earth Sciences*, **35**, 469-487.
- Chappell, J., (1974) Geology of coral terraces, Huon Peninsula, New Guinea: a study of Quaternary tectonic movements and sea-level changes, *Geological Society of America Bulletin*, **85**(4), 553-570.
- Chappell, J., and Shackleton, N.J., (1986) Oxygen isotopes and sea level, *Nature*, **324**(6093), 137-140.
- Chase, C.G., (1978) Extension behind island arcs and motions relative to hot spots, *Journal of Geophysical Research*, **83**(B11), 5385-5387.
- Chatterjee, A.K., (1964) The Tertiary fauna of Andaman, In *Reports of the 22nd International Geological Congress, New Delhi*, **8**, 308-318.
- Chatterjee, P.K., (1967) Geology of the main islands of the Andaman Sea, Proceedings Symposium on Upper Mantle Project, Geophysical Research Board, *National Geophysical Research Institute, Hyderabad, India*, 348-360.
- Chatterjee, P.K., (1984) The Invisible Bank fault and geotectonics of the Andaman Nicobar Islands, *Quarterly Journal Geological Mineral Metallurgical Society India*, **56**, 28-40.
- Chauhan, O. S., and Suneethi, J., (2001) 18 Ka BP records of climatic changes, Bay of Bengal: Isotopic and sedimentological evidences, *Current Science*, **81**(9), 1231-1234.
- Chauhan, O. S., Patil, S. K., and Suneethi, J., (2004) Fluvial influx and weathering history of the Himalayas since Last Glacial Maxima-isotopic, sedimentological and magnetic records from the Bay of Bengal, *Current Science*, **87**(4), 509-515.
- Chen, F.H., Bloemendal, J., Wang, J.M., Li J.J., and Oldfield, F., (1997) High-resolution multi-proxy climate records from Chinese loess: evidence for rapid climatic changes over the last 75 kyr, *Palaeogeography, Palaeoclimatology, Palaeoecology*, **130**, 323-335.
- Chernova, T. G., Rao, P. S., Pikovskii, Y. I., Alekseeva, T. A., Nagender Nath, B., Ramalingeswara Rao, B., and Rao, C. M., (2001) The composition and the source of hydrocarbons in sediments taken from the tectonically active Andaman Backarc Basin, Indian Ocean, *Marine chemistry*, **75**(1), 1-15.
- Chhibber, H.L., (1934) Geology of Burma, *London, Macmillan & Co.*, 530.
- Chu, M.F., Chung, S.L., Song, B., Liu, D., O'Reilly, S.Y., Pearson, N.J., Ji, J., and Wen, D.J., (2006) Zircon U-Pb and Hf isotope constraints on the Mesozoic tectonics and crustal evolution of southern Tibet, *Geology*, **34**(9), 745-748.

- Clemens, S.C., and Prell, W.L., (1990) Late Pleistocene variability of Arabian Sea summer monsoon winds and continental aridity: Eolian records from the lithogenic component of deep-sea sediments, *Paleoceanography*, **5**(2), 109-145.
- Clemens, S.C., Prell, W., Murray, D., Shimmield, G., and Weedon, G., (1991) Forcing mechanisms of the Indian Ocean monsoon, *Nature*, **353**, 720-725.
- Clift, P.D., Shimizu, N., Layne, G.D., and Blusztajn, J., (2001) Tracing patterns of erosion and drainage in the Paleogene Himalaya through ion probe Pb isotope analysis of detrital K-feldspars in the Indus Molasse, India, *Earth and Planetary Science Letters*, **188**(3), 475-491.
- Coleman, R. G., (1977) Ophiolites: ancient oceanic lithosphere? *Berlin: Springer-Verlag*, **229**.
- Colin, C., Kissel, C., Blamart, D., and Turpin, L., (1998) Magnetic properties of the sediments in the Bay of Bengal and the Andaman Sea: Impact of rapid North Atlantic Ocean climatic events on the strength of the Indian monsoon, *Earth and Planetary Science Letters*, **160**, 623-635.
- Colin, C., Turpin, L., Bertaux, J., Desprairies, A., and Kissel, C., (1999) Erosional history of the Himalayan and Burman Ranges during the last two glacial-interglacial cycles, *Earth and Planetary Science Letters*, **171**, 647- 660.
- Colin, C., Turpin, L., Blamart, D., Frank, N., Kissel, C. and Duchamp, S., (2006) Evolution of weathering patterns in the Indo-Burman Ranges over 280 kyr: Effects of sediment provenance on $^{87}\text{Sr}/^{86}\text{Sr}$ ratios tracer, *Geochemical Geophysical Geosystem*, **7**(3), Q03007.
- Condie, K.C., (1989) Plate Tectonics and Crustal Evolution (3rd edition), *Pergamon Press*, 469.
- Condie, K.C., (1991) Another look at rare earth elements in shales, *Geochimica et Cosmochimica Acta*, **55**(9), 2527-2531.
- Condie, K.C., (1993) Chemical composition and evolution of the upper continental crust: contrasting results from surface samples and shales, *Chemical Geology*, **104**(1), 1-37.
- Cronin, T.M., (1999) Principles of Climatology, *New York: Columbia University Press*, 204.
- Cullen, J. L., (1981) Microfossil evidence for changing salinity patterns in the Bay of Bengal over the last 20 000 years, *Palaeogeography, Palaeoclimatology, Palaeoecology*, **35**, 315-356.
- Curry, J.R., and Moore, D.G., (1974) Sedimentary and tectonic processes in the Bengal deep sea fan and geosynclines, In: The Geology of Continental Margins, *Burke, C.A. and Drake, C.L. (Eds.), Springer, New York*, 617-627.

- Curry, J.R., Moore, D.G., Lawver, L.A., Emmel, F.J., Raitt, R.W., Henry, M., and Kieckhefer, R., (1979) Tectonics of the Andaman Sea and Burma, In: Watkins, J., Montadert, L., Dickerson, P.W. (Eds.), *Geological and Geophysical Investigations of Continental Margins American Association Petroleum Geologists, Memoir*, **29**, 189–198.
- Curry, J.R., (2005) Tectonics and history of the Andaman Sea region, *Journal of Asian Earth Sciences*, **25**, 187–232.
- Das Gupta, S., and Mukhopadhyay, M., (1993) Seismicity and plate deformation below the Andaman Arc, northeastern Indian Ocean, *Tectonophysics*, **225**, 529–542.
- Dasgupta, S., Mukhopadhyay, M., Bhattacharya, A., and Jana, T.K., (2003) The geometry of the Burmese-Andaman subducting lithosphere, *Journal of Seismology*, **7**(2), 155–174.
- DeCelles, P.G., Robinson, D.M., Quade, J., Ojha, T.P., Garzione, C.N., Copeland, P., and Upreti, B.N., (2001). Stratigraphy, structure, and tectonic evolution of the Himalayan fold-thrust belt in western Nepal, *Tectonics*, **20**(4), 487–509.
- Dehn, J., Farrel, J.W., and Schmincke, H.U., (1991) Neogene tephrochronology from site 758 on Ninety East Ridge: Indonesian arc volcanism of the past 5 Ma, *Proceedings ODP, Science Results*, **121**, 273–295.
- DePaolo, D.J., and Wasserburg, G.J., (1976) Nd isotopic variations and petrogenetic models, *Geophysical Research Letters*, **3**(5), 249–252.
- Dewey, J. F., and Bird, J. M., (1971) Origin and emplacement of the ophiolite suite: Appalachian ophiolites in Newfoundland, *Journal of Geophysical Research*, **76**(14), 3179–3206.
- Dickinson, W.R., (1977) Tectono-stratigraphic evolution of subduction-controlled sedimentary assemblages. Island arcs, deep-sea trenches, and back-arc basins, *American Geophysical Union Maurice Ewing Series*, **1**, 33–40.
- Dickinson, W.R., and Seely, D.R., (1979) Structure and stratigraphy of forearc regions, *American Association of Petroleum Geologists Bulletin*, **63**, 2–31.
- Dilek, Y., and Furnes, H., (2011) Ophiolite genesis and global tectonics: Geochemical and tectonic fingerprinting of ancient oceanic lithosphere, *Geological Society of America Bulletin*, **123**(3–4), 387–411.
- Duplessy, J.C., (1982) Glacial to interglacial contrasts in the northern Indian Ocean, *Nature*, **295**, 494–498.
- Dutta, K., Bhushan, R., Somayajulu, B.L.K., (2001) ΔR correction values for the Northern Indian Ocean. *Radiocarbon*, **43**, 483–488.

- Dutta, K., Bhushan, R., and Somayajulu, B.L.K., (2007) Rapid vertical mixing rates in deep waters of the Andaman Basin, *Science of The Total Environment*, **384**(1), 401-408.
- Duzgoren-Aydin, N.S., Aydin, A., and Malpas, J., (2002) Re-assessment of chemical weathering indices: case study on pyroclastic rocks of Hong Kong, *Engineering Geology*, **63**(1), 99-119.
- Eguchi, T., Uyeda, S., and Maki, T., (1979) Seismotectonics and tectonic history of the Andaman Sea, *Tectonophysics*, **57**(1), 35-51.
- Faure, G., (2005) Principles of isotope geochemistry, *John Wiley and Sons*, **Chapter 9**, 207.
- Fein, J.B., and Jurdy, D.M., (1986) Plate motion controls on back-arc spreading, *Geophysical Research Letters*, **13**(5), 456-459.
- Fleming, K., Johnston, P., Zwartz, D., Yokoyama, Y., Lambeck, K., and Chappell, J., (1998) Refining the eustatic sea-level curve since the last glacial maximum using far- and intermediate- field sites, *Earth and Planetary Science Letters*, **163**, 327-342.
- Frerichs, R.E., (1968) Pleistocene-Recent boundary and Wisconsin Glacial biostratigraphy in the northern Indian Ocean, *Science*, **159**, 1456-1458.
- Fretzdorff, S., and Smellie, J.L., (2002) Electron microprobe characterization of ash layers in sediments from the central Bransfield basin (Antarctic Peninsula): evidence for at least two volcanic sources, *Antarctic Science*, **14**(4), 412-421.
- Gahalaut, V.K., Subrahmanyam, C., Kundu, B., Catherine, J.K., Ambikapathy A., (2010) Slow rupture in Andaman during 2004 Sumatra-Andaman earthquake: a probable consequence of subduction of 90°E ridge, *Geophysical Journal International*, **180**(3), 1181-1186.
- Galy, A., and France-Lanord, C., (2001) Higher erosion rates in the Himalaya: Geochemical constraints on riverine fluxes, *Geology*, **29**, 23-26.
- Galy, V., Francois, L., France-Lanord, C., Faure, P., Kudrass, H., Palhol, F., and Singh, S. K., (2008) C4 plants decline in the Himalayan basin since the Last Glacial Maximum, *Quaternary Science Review*, **27**, 1396-1409.
- Gao, S., Liu, X., Yuan, H., Hattendorf, B., Günther, D., Chen, L., and Hu, S., (2002) Determination of Forty Two Major and Trace Elements in USGS and NIST SRM Glasses by Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry, *Geostandards and Geoanalytical Research*, **26**(2), 181-196.

- Garson, M.S., Amos, B.J. and Mitchell, A.H.G., (1976) The geology of the area around Nyaungga and Yengan, Southern Shan State, Burma, *Institute of Geological Science, London, Overseas Memoir*, **2**, 70.
- Garzanti, E., and Van Haver, T., (1988) The Indus clastics: forearc basin sedimentation in the Ladakh Himalaya (India), *Sedimentary Geology*, **59**(3), 237-249.
- Gee, F.R., (1927) The Geology of the Andaman and Nicobar Islands, with special reference to Middle Andaman Island, *Records of the Geological Survey of India*, **59** (2), 208-232.
- Ghosh, B., Pal, T., Bhattacharya, A., and Das, D., (2009) "Petrogenetic implications of ophiolitic chromite from Rutland Island, Andaman—a boninitic parentage in supra-subduction setting, *Mineralogy and Petrology*, **96**(1), 59-70.
- Goodbred, S.L., and Kuehl, S.A., (2000) Enormous Ganges-Brahmaputra sediment discharge during strengthened early Holocene monsoon, *Geology*, **28**(12), 1083-1086.
- Guha, D.K., and Mohan, M., (1965) A note on Upper Cretaceous microfauna from the Middle Andaman Island, *Bulletin of Geological, Mining and Metallurgical Society of India*, **33**, 1-4.
- Halder, D., (1985) Some aspects of the Andaman Ophiolite Complex: *Geological Survey of India*, **115**, 1-11.
- Hall, R., (2002) Cenozoic geological and plate tectonic evolution of SE Asia and the SW Pacific: computer-drafted reconstructions, model and animations, *Journal of Asian Earth Sciences*, **20**, 353-431.
- Hall, R., (2009) Hydrocarbon basins in SE Asia: Understanding why they are there, *Pet. Geosci.*, **15**, 131-146.
- Hashimi, N.H., Nigam, R., Nair, R.R., and Rajagopalan, G., (1995) Holocene sea level fluctuations on western Indian continental margin: An update, *Journal of the Geological Society of India*, **46**, 157-162.
- Hassan, S., Ishiga, H., Roser, B.P., Dozen, K., and Naka, T., (1999) Geochemistry of Permian-Triassic shales in the Salt Range, Pakistan: implications for provenance and tectonism at the Gondwana margin, *Chemical Geology*, **158**(3), 293-314.
- Hawkesworth, C. J., Gallagher, K., Hergt, J. M., and McDermott, F., (1993) Mantle and slab contribution in arc magmas, *Annual Review of Earth and Planetary Sciences*, **21**, 175-204.
- Hemming, S.R., (2004) Heinrich events: Massive late Pleistocene detritus layers of the North Atlantic and their global climate imprint, *Reviews of Geophysics*, **42**, RG1005.

- Herzschuh, U., (2006) Palaeo-moisture evolution in monsoonal Central Asia during the last 50,000 years, *Quaternary Science Review*, **25**, 163–178.
- Hochstetter, F. von, (1866) Contributions to the Geology and Physical Geography of the Nicobar Islands, (translated by F. Soliczka) from the *Voyage of the Austrian Frigate Novara, round the world in 1859 (1857)*, 85-112.
- Hochstetter, F. von, (1869) Geology and physical geography of Nicobar Islands, *Records Geological Survey of India*, **2** (Pt 3).
- Hodges, K.V., (2000) Tectonics of the Himalaya and southern Tibet from two perspectives, *Geological Society of America Bulletin*, **112**(3), 324-350.
- Hossain, H.M.Z., Roser, B.P., and Kimura, J.I., (2010) Petrography and whole-rock geochemistry of the Tertiary Sylhet succession, northeastern Bengal Basin, Bangladesh: Provenance and source area weathering, *Sedimentary Geology*, **228**(3), 171-183.
- Hsui, A.T., and Toksöz, M.N., (1981) Back-arc spreading: Trench migration, continental pull or induced convection? *Tectonophysics*, **74**(1), 89-98.
- Hughen, K., Lehman, S., Southon, J., Overpeck, J., Marchal, O., Herring, C., and Turnbull, J., (2004) ^{14}C activity and global carbon cycle changes over the past 50,000 years, *Science*, **303**, 202–207.
- Ibrahim, Z.Z., and Yanagi, T., (2006) The influence of the Andaman Sea and the South China Sea on water mass in the Malacca Strait, *La mer*, **44**, 33–42.
- Islam, R., Ghosh, S. K., Vyshnavi, S., and Sundriyal, Y.P., (2011) Petrography, geochemistry and regional significance of crystalline klippen in the Garhwal Lesser Himalaya, India, *Journal of Earth System Science*, **120**(3), 489-501.
- Jacob, K., (1954) The occurrence of radiolarian cherts in association with ultrabasic intrusives in the Andaman Islands, and its significance in sedimentary tectonics, *Records Geological Survey India*, **83** (2), 397-422.
- Jafri, S.H., (1986) Occurrence of Hagistrids in chert associated with Port Blair Series, South Andaman, India, *Journal of the Geological Society of India*, **28**, 41–3.
- Jafri, S.H., Balaram, V., and Govil, P.K., (1993) Depositional environments of Cretaceous radiolarian cherts from Andaman-Nicobar islands, northeastern Indian Ocean, *Marine Geology*, **112**(1), 291-301.
- Jankaew, K., Atwater, B.F., Sawai, Y., Choowong, M., Charoentitirat, T., and Martin, M.E., (2008) Medieval forewarning of the 2004 Indian Ocean tsunami in Thailand, *Nature*, **455**, 1228-1231.

- Jarosewich, E., Nelen, J.A., and Norberg, J.A., (1980) Reference samples for electron microprobe analysis, *Geostandard Newsletter*, **4**, 43-47.
- Jayananda, M., Moyen, J. F., Martin, H., Peucat, J.J., Auvray, B., and Mahabaleswar, B., (2000) Late Archaean (2550–2520 Ma) juvenile magmatism in the Eastern Dharwar craton, southern India: constraints from geochronology, Nd–Sr isotopes and whole rock geochemistry, *Precambrian Research*, **99**(3), 225-254.
- Jhingran, A.G., (1953) A note on an earthquake in the Andaman Islands (26th June 1941), *Records of Geological Survey of India*, **82**, 300–307.
- Johnson, S.Y., and Alam, A.M.N., (1991) Sedimentation and tectonics of the Sylhet trough, Bangladesh, *Geological Society of America Bulletin*, **103**(11), 1513-1527.
- Jull, A.J.T., Donahue, D.J., Linick, T.W., and Wilson, G.C., (1989) Spallogenic ¹⁴C in high-altitude rocks and in Antarctic meteorites, *Radiocarbon*, **31**(71), 24.
- Jurdy, D.M., and Stefanick, M., (1983) Flow models for back-arc spreading, *Tectonophysics*, **99**(2), 191-206.
- Kamesh Raju, K.A., Ramprasad, T., Rao, P.S., Ramalingeswara Rao, B., and Varghese, J. (2004) New insights into the tectonic evolution of the Andaman basin, northeast Indian Ocean, *Earth and Planetary Science Letters*, **221**(1), 145-162.
- Kamesh Raju, K.A., (2005) Three-phase tectonic evolution of the Andaman backarc basin, *Current Science*, **89**(11), 1937.
- Kamesh Raju, K.A., Ray, D., Mudholkar, A., Murty, G.P.S., Gahalaut, V.K., Samudrala, K., Paropkari, A.L., Ramachandran R., and Prakash, L.S., (2012) Tectonic and volcanic implications of a cratered seamount off Nicobar Island, Andaman Sea, *Journal of Asian Earth Sciences*, **56**, 42–53.
- Karunakaran, C., Ray, K.K., and Saha, S.S., (1967) A revision of the stratigraphy of Andaman and Nicobar Islands, India, *Bulletin Nat. Inst. Sci. Ind.*, **38**, 4-36.
- Karunakaran, C., Ray, K.K., and Saha, S.S., (1968a) A revision of the stratigraphy of Andaman and Nicobar Islands, India, *Bulletin of the National Institute of Sciences of India*, **38**, 436-441.
- Karunakaran, C., Ray, K.K., and Saha, S.S., (1968b) Tertiary sedimentation in the Andaman–Nicobar geosynclines, *Journal Geological Society of India*, **9**, 32-39.
- Karig, D.E., (1971) Origin and development of marginal basins in the western Pacific, *Journal of Geophysical Research*, **76**(11), 2542-2561.

- Karig, D.E., (1974) Tectonic erosion at trenches, *Earth and Planetary Science Letters*, **21**, 209–12.
- Karig, D.E., and Sharman, G.F., (1975) Subduction and Accretion in Trenches, *Geological Society of America Bulletin*, **86** (3), 377-389.
- Kanamori, H., and McNally, K.C., (1982) Variable rupture mode of the subduction zone along the Ecuador-Colombia Coast, *Bulletin of the Seismological Society of America*, **72**, 1241–1253.
- Kayal, J. R., Gaonkar, S. G., Chakraborty, G. K., and Singh, O. P., (2004) Aftershocks and seismotectonic implications of the 13 September 2002 earthquake (Mw 6.5) in the Andaman Sea Basin, *Bulletin of the Seismological Society of America*, **94**(1), 326-333.
- Kayanne, H., Ikeda, Y., Echigo, T., Shishikura, M., and Kamataki, T., (2005) Coseismic uplift of the Andaman Islands associated with the Sumatra–Andaman Earthquake of 2004 and the recurrence history of gigantic earthquakes, *Proceedings of the International Workshop on the Restoration Program from Giant Earthquakes and Tsunamis*, 41–45.
- Kayanne, H., Ikeda, Y., Echigo, T., Shishikura, M., Kamataki, T., Satake, K., Malik, J.N., Basir, S.R., Chakraborty, G.K., Ghosh Roy, A.K., (2007) Coseismic and postseismic creep in the Andaman Islands associated with the 2004 Sumatra–Andaman earthquake, *Geophysical Research Letters*, **34**, 1-4.
- Keller, G.H., and Richards, A.F., (1967) Sediments of the Malacca Strait, southeast Asia, *Journal of Sedimentary Research*, **37**(1).
- Kent, A.J., Jacobsen, B., Peate, D.W., Waight, T.E., and Baker, J.A., (2004) Isotope Dilution MC-ICP-MS Rare Earth Element Analysis of Geochemical Reference Materials NIST SRM 610, NIST SRM 612, NIST SRM 614, BHVO-2G, BHVO-2, BCR-2G, JB-2, WS-E, W-2, AGV-1 and AGV-2, *Geostandards and Geoanalytical Research*, **28**(3), 417-429.
- Kessarkar, P.M., Rao, V.P., Ahmad, S.M., Patil, S.K., Kumar, A., Anil Babu, G., Chakraborty, S., and Soundar Rajan, R., (2005) Changing sedimentary environment during the Late Quaternary: Sedimentological and isotopic evidence from the distal Bengal Fan, *Deep-Sea Research*, **52**, 1591–1615.
- Khan, P.K., and Chakraborty, P.P., (2005) Two-phase opening of Andaman Sea: A new seismotectonic insight, *Earth and Planetary Science Letters*, **229**, 259–271.
- Klootwijk, C. T., Gee, J. S., Peirce, J. W., Smith, G. M., and McFadden, P. L., (1992) An early India-Asia contact: Paleomagnetic constraints from Ninetyeast Ridge, ODP Leg 121, *Geology*, **20**(5), 395-398.

- Krumbein, W.C., and Pettijohn, F.J., (1938) Manual of sedimentary petrography, *Appleton-Century-Crofts, New York*, 549.
- Kudrass, H.R., Hofmann, A., Dose, H., Emeis, K., and Erlenkeuser, H., (2001) Modulation and amplification of climatic changes in the Northern Hemisphere by the Indian summer monsoon during the past 80 ky, *Geology*, **29**(1), 63-66.
- Kumar, A., (2011), Geochemical and isotopic studies of rocks from the Barren Island Volcano and Andaman subduction zone, India, *Ph.D. thesis, M.S. University of Baroda, Vadodara, India*.
- Kunz, A., Frechen, M., Ramesh, R., and Urban, B., (2010) Revealing the coastal event-history of the Andaman Islands (Bay of Bengal) during the Holocene using radiocarbon and OSL dating, *International Journal of Earth Sciences*, **99**(8), 1741-1761.
- Kurian, S., Nagender Nath, B., Ramaswamy, V., Naman, D., Gnaneshwar Rao, T., Kamesh Raju, K.A., Selvaraj, K., and Chen, C.T.A., (2008) Possible detrital, diagenetic and hydrothermal sources for Holocene sediments of the Andaman backarc basin, *Marine Geology*, **247**, 178-193.
- Le Bas, M.J., Le Maitre, R.W., Streckeisen, A., and Zanettin, B., (1986) A chemical classification of volcanic rocks based on the total alkali-silica diagram, *Journal of Petrology*, **27**, 745-750.
- Lee, T. Y., and Lawver, L. A., (1995) Cenozoic plate reconstruction of Southeast Asia, *Tectonophysics*, **251**(1), 85-138.
- Lindsay, J.F., Holliday, D.W., and Hulbert, A.G., (1991) Sequence stratigraphy and the evolution of the Ganges-Brahmaputra delta-complex, *AAPG Bulletin*, **75**, 1233-1254.
- Linick, T.W., Long, A., Damon, P.E., and Ferguson, C.W., 1986 High-precision radiocarbon dating of bristlecone pine from 6554 to 5350 BC, *Radiocarbon*, **28**(2B), 943-953.
- Luhr, J.F., and Haldar, D., (2006) Barren Island volcano (NE Indian Ocean): island-arc high-alumina basalts produced by troctolite contamination, *Journal of Volcanology and Geothermal Research*, **149**, 177-212.
- Macdonald, G.A., and Katsura, T., (1964) Chemical composition of Hawaiian lavas, *Journal of Petrology*, **5**, 82-133.
- Macdonald, D.I.M., (1993) Controls on sedimentation at convergent plate margins, *Special Publication of International Association of Sedimentologists*, **20**, 225-57.
- Mackie, W., (1899) The sands and sandstones of eastern Moray, *Trans. Edinb. Geol. Soc.*, **7**, 148-172.

- Mahéo, G., Bertrand, H., Guillot, S., Villa, I.M., Keller, F., and Capiez, P., (2004) The South Ladakh ophiolites (NW Himalaya, India): an intra-oceanic tholeiitic arc origin with implication for the closure of the Neo-Tethys, *Chemical geology*, **203(3)**, 273-303.
- Malik, J.N., and Murty, C.V.R., (2005) Landscape changes in Andaman and Nicobar Islands (India) due to Mw 9.3 tsunamigenic Sumatra earthquake of 26 December 2004, *Current Science*, **88**, 1384–1386.
- Malik, J.N., Shishikura, M., Echigo, T., Ikeda, Y., Satake, K., Kayanne, H., Sawai, Y., Murty, C.V.R., and Dikshit, O., (2011) Geologic evidence for two pre-2004 earthquakes during recent centuries near Port Blair, South Andaman Island, India, *Geology*, **39**, 559-562.
- McDonough, W.F., and Sun, S.S., (1995) The composition of the Earth, *Chemical Geology*, **120(3)**, 223-253.
- McLennan, S.M., Nance, W.B., and Taylor, S.R., (1980) Rare earth element thorium correlations in sedimentary rocks and the composition of the continental crust, *Geochimica et Cosmochimica Acta*, **44**, 1833–1839.
- McLennan, S.M., and Hemming, S., (1992) Samarium/neodymium elemental and isotopic systematics in sedimentary rocks, *Geochimica et cosmochimica acta*, **56(3)**, 887-898.
- McLennan, S.M., (1993) Weathering and global denudation, *The Journal of Geology*, 295-303.
- McLennan, S.M., Hemming, S.R., Taylor, S.R., and Eriksson, K.A., (1995) Early Proterozoic crustal evolution: Geochemical and Nd-Pb isotopic evidence from metasedimentary rocks, southwestern North America, *Geochimica et Cosmochimica Acta*, **59(6)**, 1153-1177.
- McLennan, S.M., Bock, B., Hemming, S.R., Hurowitz, J.A., Lev, S.M., and McDaniel, D. K., (2003) The roles of provenance and sedimentary processes in the geochemistry of sedimentary rocks, *Geochemistry of Sediments and Sedimentary Rocks: Evolutionary Considerations to Mineral Deposit-Forming Environments*, *Geological Association of Canada, GeoText*, **4**, 37-38.
- Meade, R. H., (1996) River-sediment inputs to major deltas, Sea-level rise and coastal subsidence. *Kluwer, London*, 63-85.
- Meltzner, A.J., Sieh, K., Abrams, M., Agnew, D.C., Hudnut, K.W., Avouac, J., and Natawidjaja, D.H., (2006) Uplift and subsidence associated with the Great Aceh–Andaman earthquake of 2004, *Journal of Geophysical Research*, **111(B02407)**, 1-8.

- Métivier, F., Gaudemer, Y., Tapponnier, P., and Klein, M., (2002) Mass accumulation rates in Asia during the Cenozoic, *Geophysical Journal International*, **137**(2), 280-318.
- Michard, A., Gurriet, P., Soudant, M., and Albarede, F., (1985) Nd isotopes in French Phanerozoic shales: external and internal aspects of crustal evolution, *Geochimica et Cosmochimica Acta*, **49**(2), 601-610.
- Miller, C., Thöni, M., Frank, W., Grasemann, B., Klötzli, U., Guntli, P., and Draganits, E., (2001) The early Palaeozoic magmatic event in the Northwest Himalaya, India: source, tectonic setting and age of emplacement, *Geological Magazine*, **138**(3), 237-251.
- Milliman, J.D., and Meade, R.H., (1983) World-wide delivery of river sediment to the oceans, *The Journal of Geology*, 1-21.
- Mishra, S., Deomurari, M.P., Wiedenbeck, M., Goswami, J.N., Ray, S., and Saha, A.K., (1999) $^{207}\text{Pb}/^{206}\text{Pb}$ zircon ages and the evolution of the Singhbhum Craton, eastern India: an ion microprobe study, *Precambrian Research*, **93**(2), 139-151.
- Misra, S., and Johnson, P.T., (2005) Geochronological constraints on evolution of Singhbhum Mobile Belt and associated basic volcanics of eastern Indian shield, *Gondwana Research*, **8**(2), 129-142.
- Mitchell, A.H.G., (1985) Collision-related fore-arc and back-arc evolution of the northern Sunda Arc, *Tectonophysics*, **116**, 323-334.
- Mitchell, A.H.G., (1993) Cretaceous-Cenozoic tectonic events in the western Myanmar (Burma)-Assam region, *Journal of the Geological Society*, **150**(6), 1089-1102.
- Molnar, P., (1986) The Geologic History and the Structure of the Himalayas, *American Scientist*, **74**, 144-154.
- Moore, G.F., Curray, J.R., and Emmel, F.J., (1982) Sedimentation in the Sunda trench and forearc region. In Trench-Forearc Geology: Sedimentation and Tectonics on Modern and Ancient Active Plate Margins (ed. J. K. Legget), *Geological Society of London, Special Publication*, **10**, 245-58.
- Moores, E.M., Robinson, P.T., Malpas, J., and Xenophontos, C., (1984) A model for the origin of the Troodos massif, Cyprus and other Mideast Ophiolites, *Geology*, **12**, 500-503.
- Monecke, K., Finger, W., Klarer, D., Kongko, W., McAdoo, B.G., Moore, A.L., and Sudrajat, S.U., (2008) A 1,000-year sediment record of tsunami recurrence in northern Sumatra, *Nature*, **455**, 1232-1234.

- Mountain, G.S., and Prell, W.L., (1990) A multiphase plate tectonic history of the southeast continental margin of Oman, *Geological Society, London, Special Publications*, **49(1)**, 725-743.
- Mukhopadhyay, M., (1984) Seismotectonics of subduction and back-arc rifting under the Andaman Sea, *Tectonophysics*, **108(3)**, 229-239.
- Najman, Y., and Garzanti, E., (2000) Reconstructing early Himalayan tectonic evolution and paleogeography from Tertiary foreland basin sedimentary rocks, northern India, *Geological Society of America Bulletin*, **112(3)**, 435-449.
- Najman, Y., Bickle, M., Boudagher-Fadel, M., Carter, A., Garzanti, E., Paul, M., Wijbrans, J., Willett, E., Oliver, G., Parrish, R., Akhter, H., Allen, R., Ando, S., Chisty, E., Reisberg, L., and Vezzoli, G., (2008) The paleogene record of Himalayan erosion: Bengal Basin, Bangladesh, *Earth and Planetary Science Letters*, **273(1)**, 1-14.
- Nanayama, F., Satake, K., Furukawa, R., Shimokawa, K., Atwater, B.F., Shigeno, K., and Yamaki S., (2003) Unusually large earthquakes inferred from tsunami deposits along the Kuril trench, *Nature*, **424**, 660-663.
- Naqvi, W. A., Charles, C. D., and Fairbanks, R. G., (1994) Carbon and oxygen isotopic records of benthic foraminifera from the Northeast Indian Ocean: implications on glacial-interglacial atmospheric CO₂ changes, *Earth and planetary Science Letters*, **121(1)**, 99-110.
- Nesbitt, H.W., and Young, G.M., (1982) Early Proterozoic climates and plate motions inferred from major element chemistry of lutites, *Nature*, **299(5885)**, 715-717.
- Nesbitt, H.W., and Young, G.M., (1984) Prediction of some weathering trends of plutonic and volcanic rocks based on thermodynamic and kinetic considerations, *Geochimica et Cosmochimica Acta*, **48(7)**, 1523-1534.
- Nesbitt, H.W., and Young, G.M., (1989) Formation and diagenesis of weathering profiles, *The Journal of Geology*, 129-147.
- Nesbitt, H.W., Young, G.M., McLennan, S.M., and Keays, R.R., (1996) Effects of chemical weathering and sorting on the petrogenesis of siliciclastic sediments, with implications for provenance studies, *The Journal of Geology*, 525-542.
- Nicolas, A., Nicolas, A., Nicolas, A., Geologist, F., Nicolas, A., and Géologue, F., (1989) Structures of ophiolites and dynamics of oceanic lithosphere, *Dordrecht, Netherlands: Kluwer Academic Publishers*, **367**.
- Ninkovich, D., Sparks, R.S.J., and Ledbetter, M.T., (1978) The exceptional magnitude and intensity of the Toba eruption, Sumatra: an example of the use of deep-sea tephra layers as a geological tool, *Bulletin Volcanologique*, **41**, 1-13.

- Oldham, T., (1883) A catalogue of Indian earthquakes from the earliest end of 1869, *Memoirs of the Geological Survey of India*, **19(3)**, 1–53.
- Oldham, R.D., (1885) Notes on the geology of the Andaman Islands, *Records Geological Survey India*, **18**, Pt 3.
- Ortiz, M., and Bilham, R., (2003) Source area and rupture parameters of the 31 December 1881 Mw= 7.9 Car Nicobar earthquake estimated from tsunamis recorded in the Bay of Bengal, *Journal of Geophysical Research*, **108(B4)**, 2215.
- Ota, Y., Hull, A. G., and Berryman, K. R., (1991) Coseismic uplift of Holocene marine terraces in the Pakarae River area, eastern North Island, New Zealand, *Quaternary research*, **35(3)**, 331-346.
- Ota, Y., and Omura, A., (1992) Contrasting styles and rates of tectonic uplift of coral reef terraces in the Ryukyu and Daito Islands, southwestern Japan, *Quaternary International*, **15**, 17-29.
- Packham, G.H., and Falvey, D.A. (1971) An hypothesis for the formation of marginal seas in the western Pacific, *Tectonophysics*, **11(2)**, 79-109.
- Pal, T., Dutta Gupta, T., and Das Gupta, S.C., (2002) Vitric tuff from Archipelago Group of rocks (Mio-Pliocene) of South Andaman, *Journal of the Geological Society of India*, **59**, 111–114.
- Pal, T., Chakraborty, P.P., Dutta Gupta, T. and Singh, C.D., (2003) Geodynamic evolution of the outer arc-forearc belt in the Andaman Islands, the central part of the Burma-java subduction complex, *Geological Magazine*, **140 (3)**, 289–307.
- Pal, T., Dutta Gupta T., Chakraborty P.P., and. Das Gupta S.C, (2005) Pyroclastic deposits of Mio-Pliocene age in the Arakan Yoma-Andaman-Java subduction complex, Andaman Islands, bay of Bengal, India, *Geochemical Journal*, **39**, 69-82,
- Pal, T., Bandopadhyay, P.C., Mitra, S.K., and Raghav, S.R., (2007a) Recent eruption (2005) of Barren volcano: an explosive inner arc volcanism in Andaman Sea, *Journal Geological Society of India*, **69**, 1195–1202.
- Pal, T., Mitra, S.K., Sengupta, S., Katari, A., Bandopadhyay, P.C. and Bhattacharya, A.K., (2007b) Dacite-andesites of Narcondam volcano in the Andaman Sea—an imprint of magma mixing in the inner arc of the Andaman–Java subduction system, *Journal of Volcanology and Geothermal Research*, **168**, 93–113.
- Pal, T., Ghosh, B., Bhattacharya, A., and Bhaduri, S.K., (2010a) Felsic tuff from Rutland Island - A pyroclastic flow deposit in Miocene-sediments of Andaman-Java subduction complex, *Journal of Earth System Science*, **119(1)**, 19–25.

- Pal, T., Raghav, S.R., Bhattacharya A., Bandopadhyay P.C., Mitra S. K., Renjit M.L., Sankar M.S., and Ghosh B., (2010b) The 2005–06 eruption of Barren Volcano, Andaman Sea: evolution of basaltic magmatism in island arc setting of Andaman–Java subduction complex, *Journal of Asian Earth Sciences*, **39**, 12–23.
- Pal, T., (2011) Petrology and geochemistry of the Andaman ophiolite: melt rock interaction in a suprasubduction-zone setting, *Journal of Geological Society, London*, **168**, 1031–1045.
- Parthasarathy, T.N., (1984) The conglomerates of Middle Andaman and their geologic significance, *Journal Geological Society India*, **25**, 94–101.
- Patchett, P. J., (2003) Provenance and crust-mantle evolution studies based on radiogenic isotopes in sedimentary rocks, *Geochemistry of Sediments and Sedimentary Rocks: Evolutionary Considerations to Mineral Deposit-Forming Environments*, *St. John's, New foundland: Geological Association of Canada*.
- Pattan, J.N., Shane, P., and Banakar, V.K., (1999) New occurrence of Youngest Toba Tuff in abyssal sediments of the Central Indian Basin, *Marine Geology*, **155**, 243–248.
- Pattan, J.N., Shane, P., Pearce, N.J.G., Banakar, V.K., and Parthiban, G., (2001) An occurrence of ~74 ka Youngest Toba tephra from the western continental margin of India, *Current Science*, **80(10)**, 1322–1326.
- Pawde, M.B. and Ray, K.K., (1963) On the age of Graywackes in South Andaman, *Science and Culture*, **30**, 279–80.
- Peacock, S. M., (1990) Numerical simulation of metamorphic pressure-temperature-time paths and fluid production in subducting slabs, *Tectonics*, **9(5)**, 1197–1211.
- Pedersen, R.B., Searle M.P., Carter, A., and Bandopadhyay, P.C., (2010) U–Pb zircon age of the Andaman ophiolite: implications for the beginning of subduction beneath the Andaman–Sumatra arc, *Journal of the Geological Society, London*, **167**, 1105–1112.
- Peucat, J.J., Vidal, P., Bernard-Griffiths, J., and Condie, K.C., (1989) Sr, Nd, and Pb isotopic systematics in the archaean low-to high-grade transition zone of Southern India: syn-accretion vs. post-accretion granulites, *The Journal of Geology*, 537–549.
- Plank, T., and Langmuir, C.H., (1998) The chemical composition of subducting sediment and its consequences for the crust and mantle, *Chemical Geology*, **145(3)**, 325–394.
- Platt, J.P., (1986) Dynamics of orogenic wedges and the uplift of high-pressure metamorphic rocks, *Geological Society of America Bulletin*, **97**, 1037–1053.

- Porter, S.C., and Zhisheng, A., (1995) Correlation between climate events in the North Atlantic and China during the last glaciation, *Nature*, **375**, 305–308.
- Prell, W.L., Hutson, W., Williams, D.F., Be, A.W.H., Geitzenauer, K., and Molfino, B., (1980) Surface circulation of the Indian Ocean during the last Glacial Maximum approximately 18,000 yr B.P., *Quaternary Research*, **14**, 309–336.
- Prell, W.L., and Kutzbach, J.E., (1987) Monsoon variability over the past 150,000 years, *Journal of Geophysical Research*, **92**, 8411–8425.
- Qayyum, M., Niem, A.R., and Lawrence, R.D., (2001) Detrital modes and provenance of the Paleogene Khojak Formation in Pakistan: Implications for early Himalayan orogeny and unroofing, *Geological Society of America Bulletin*, **113**(3), 320–332.
- Raczek, I., Jochum, K.P., and Hofmann, A.W., (2003) Neodymium and Strontium Isotope Data for USGS Reference Materials BCR-1, BCR-2, BHVO-1, BHVO-2, AGV-1, AGV-2, GSP-1, GSP-2 and Eight MPI-DING Reference Glasses, *Geostandards Newsletter*, **27**(2), 173–179.
- Rahman, M., and Faupl, P., (2003) Ar-40/Ar-39 multigrain dating of detrital white mica of sandstones of the Surma Group in the Sylhet Trough, Bengal Basin, Bangladesh, *Sedimentary Geology*, **155**(3), 383–392.
- Rajendran, C. P., Earnest, A., Rajendran, K., Das, R. D., and Kesavan, S., (2003) The 13 September 2002 North Andaman (Diglipur) earthquake: An analysis in the context of regional seismicity, *Current Science-Bangalore*, **84**(7), 919–924.
- Rajendran, C.P., Rajendran, K., Machado, T., Satyamurthy, T., Aravazhi, P., and Jaiswal, M., (2006) Evidence of ancient sea surges at the Mamallapuram coast of India and implications for previous Indian Ocean tsunami events, *Current Science*, **91**, 1242–1247.
- Rajendran, C.P., Rajendran, K., Anu, R., Earnest, A., Machado, T., Mohan, P.M., Freymueller, J.T., (2007) Crustal deformation and seismic history associated with the 2004 Indian Ocean earthquake: a perspective from the Andaman–Nicobar Islands, *Bulletin of the Seismological Society of America*, **97** (1A), S174–S191.
- Rajendran, K., Rajendran, C.P., Earnest, A., Ravi Prasad, G.V., Dutta, K., Ray D.K., and Anu, R., (2008) Age estimates of coastal terraces in the Andaman and Nicobar Islands and their tectonic implications, *Tectonophysics*, **455**, 53–60.
- Rajshekhar, C., and Reddy, P.P., (2003) Quaternary stratigraphy of Andaman–Nicobar Islands, Bay of Bengal, *Journal of Geological Society of India*, **62**, 485–493.
- Ramaswamy, V., Rao, P.S., Rao, K.H., Thwin, S., Rao, N.S., and Raiker, V., (2004) Tidal influence on suspended sediment distribution and dispersal in the northern Andaman Sea and Gulf of Martaban, *Marine Geology*, **208**, 33–42.

- Ramesh, R., Kumar, R.A., Inamdar, A.B., Mohan, P.M., Pritiviraj, M., Ramachandran, S., Purvaja, R., Chinkeri, M.K., Dolendro, Th., Venkataraman, G., Khire, M.V., Gedam, S.S., Rao, Y.S., Adinarayana, J., and Nagarajan, R., (2006) Tsunami characterization and mapping in Andaman and Nicobar Islands, in 26th December 2004 Tsunami, Causes, Effects, Remedial Measures, *Pre and Post Tsunami Disaster Management- A Geoscientific Perspective*, G. V. Rajamanickam (Editor), 150–174.
- Rao, V.P., 1983 Clay minerals in sediments around the Andaman Islands, *Indian Journal of Marine Science*, **12**, 17-20.
- Rao, P. S., KameshRaju, K. A., Ramprasad, T., Nath, B. N., Rao, B. R., Rao, C. M., and Nair, R. R., (1996) Evidence for hydrothermal activity in the Andaman Backarc Basin, *Current Science*, **70**, 379-385.
- Rao, P.S., Ramaswamy, V., and Thwin, S., (2005) Sediment texture, distribution and transport on the Ayeyarwady continental shelf, Andaman Sea, *Marine Geology*, **216**, 239- 247.
- Rashid, H., Flower, B.P., Poore, R.Z., and Quinn, T.M., (2007) A~ 25ka Indian Ocean monsoon variability record from the Andaman Sea, *Quaternary Science Reviews*, **26**(19), 2586-2597.
- Ray, K.K., (1982) A review of the geology of Andaman and Nicobar Islands, *Geological Survey of India Miscellaneous Publication*, **42**(2), 110–25.
- Ray, K.K., Sengupta, S., and Van Den Hul, H.J., (1988) Chemical characters of volcanic rocks from Andaman ophiolite, India, *Geological Society of London Journal*, **145**, 392-400.
- Ray, R., Shukla, A.D., Sheth, H.C., Ray, J.S., Duraiswami, R.A., Vanderkluisen, L., Rautela, C.S., and Mallik, J., (2008) Highly heterogeneous Precambrian basement under the central Deccan Traps, India: Direct evidence from xenoliths in dykes, *Gondwana Research*, **13**(3), 375-385.
- Ray, S.K., and Acharya, A., (2007) 26 December 2004 earthquake: Coseismic vertical ground movements in the Andaman, *Geological Survey of India Special Publication*, **89**, 63–81.
- Reimer, P.J., Baillie, M.G.L., Bard, E., Bayliss, A., Beck, J.W., Blackwell, P.G., Bronk Ramsey, C., Buck, C.E., Burr, G.S., Edwards, R.L., Friedrich, M., Grootes, P.M., Guilderson, T.P., Hajdas, I., Heaton, T.J., Hogg, A.G., Hughen, K.A., Kaiser, K.F., Kromer, B., McCormac, F.G., Manning, S.W., Reimer, R.W., Richards, D.A., Southon, J.R., Talamo, S., Turney, C.S.M., van der Plicht, J., and Weyhenmeyer, C.E., (2009) IntCal09 and Marine09 Radiocarbon Age Calibration Curves, 0–50,000 Years cal BP, *Radiocarbon*, **51** (4), 1111–1150.

- Replumaz, A., and Tapponnier, P., (2003) Reconstruction of the deformed collision zone between India and Asia by backward motion of lithospheric blocks, *Journal of Geophysical Research*, **108(B6)**, 2285.
- Richard, L. R., (1995) MinPet: Mineralogical and Petrological Data Processing System, Version 2.02. Québec: MinPet Geological Software.
- Richards, A., Argles, T., Harris, N., Parrish, R., Ahmad, T., Darbyshire, F., and Draganits, E., (2005) Himalayan architecture constrained by isotopic tracers from clastic sediments, *Earth and Planetary Science Letters*, **236(3)**, 773-796.
- Rink, P.H., (1847) Die Nikobaren Insel, Kobenhagen, Translated selections, *Records Government of India*, **77(1870)**, 105-153.
- Robinson, D.M., DeCelles, P.G., Patchett, P.J., and Garzione, C.N., (2001) The kinematic evolution of the Nepalese Himalaya interpreted from Nd isotopes, *Earth and Planetary Science Letters*, **192(4)**, 507-521.
- Robinson, R. A. J., Bird, M. I., Oo, N. W., Hoey, T. B., Aye, M. M., Higgitt, D. L., Swe, A., Tun, T., and Win, S. L., (2007) The Irrawaddy River sediment flux to the Indian Ocean: the original nineteenth-century data revisited, *The Journal of Geology*, **115(6)**, 629-640.
- Rodolfo, K.S., (1969) Sediments of the Andaman basin, northeastern Indian Ocean, *Marine Geology*, **7**, 371-402.
- Rowley, D.B., (1996) Age of initiation of collision between India and Asia: A review of stratigraphic data, *Earth and Planetary Science Letters*, **145(1)**, 1-13.
- Roy, T.K., (1983) Geology and hydrocarbon prospects of Andaman-Nicobar basin, in Bhandari, L.L., ed., *Petroliferous Basins of India*, *Petroleum Asia Journal*, 37-50.
- Roy, D.K., Acharyya, S.K., Ray, K.K., Lahri, T.C., and Sen, M.K., (1988) Nature of occurrence, age, and depositional environment of the oceanic pelagic sediments associated with the ophiolite assemblage, South Andaman Islands, India, *Indian Minerals*, **42**, 31-56.
- Roy, S.K., (1992) Accretionary prism in Andaman forearc, *Geological Survey of India Special Publication*, **29**, 273-278.
- Roy, T.K., and Chopra, N.N., (1987) Wrench faulting in Andaman forearc basin, India, *Proceedings Offshore Technology Conference*, **19**, 393-404.
- Rose, W.I., and Chesner, C.A., (1987) Dispersal of ash in the great Toba eruption, *Geology*, **15**, 913-917.
- Roser, B.P., and Korsch, R.J., (1986) Determination of Tectonic Setting of Sandstone-Mudstone Suites Using Content and Ratio, *The Journal of Geology*, 635-650.

- Ruff, L., and Kanamori H., (1980) Seismicity and the subduction process, *Physical Earth and Planetary Interiors*, **23**, 240–252.
- Sachan, H.K., Kohn, M.J., Saxena, A., and Corrie, S.L., (2010) The Malari leucogranite, Garhwal Himalaya, northern India: Chemistry, age, and tectonic implications, *Geological Society of America Bulletin*, **122**(11-12), 1865-1876.
- Saha, A., Basu, A.R., Garzione, C.N., Bandyopadhyay, P.K., and Chakrabarti, A., (2004) Geochemical and petrological evidence for subduction–accretion processes in the Archean Eastern Indian Craton, *Earth and Planetary Science Letters*, **220**, 91-106.
- Sarkar, A., Ramesh, R., Bhattacharya, S.K., and Rajagopalan, G., (1990) Oxygen isotope evidence for a stronger winter monsoon current during the last glaciation, *Nature*, **343**, 549-551.
- Sarma, D.S., Jafri, S.H., Fletcher, I.R., and McNaughton, N.J., (2010) Constraints on the tectonic setting of the Andaman ophiolites, Bay of Bengal, India, from Shrimp U-Pb zircon geochronology of plagiogranite, *The Journal of Geology*, **118**(6), 691-697.
- Scharer, U., and Allegre, C.J., (1984) U–Pb geochronology of the Gangdese (TransHimalaya) plutonism in the Lhasa–Xigase region, Tibet, *Earth and Planetary Science Letters*, **63**, 423-432.
- Schulz, H., Rad, U.V., and Erlenkeuser, H., (1998) Correlation between Arabian Sea and Greenland climate oscillations of the past 110,000 years, *Nature*, **393**, 54–57.
- Schulz, M., (2002) On the 1470-year pacing of Dansgaard-Oeschger warm events, *Paleoceanography*, **17**(2), 1014.
- Seely, D.R., Vail, D.R., and Walton, G.G., (1974) Trench slope model, *In Geology of continental margins* (eds G. A. Burke and G. L. Drake), New York, Springer Verlag, 219–60.
- Shanker, R., Haldar, D., Absar, A., and Chakraborty, S.C., (2001) Pictorial Monograph of the Barren Island Volcano: The Lone Active Volcano in the Indian Subcontinent, *Geological Survey of India Special Publication*, **57**, 87.
- Sharma, M., Basu, A.R., and Ray, S.L., (1994) Sm-Nd isotopic and geochemical study of the Archean tonalite-amphibolite association from the eastern Indian Craton, *Contributions to Mineralogy and Petrology*, **117**(1), 45-55.
- Shastri, A., Srivastava, R.K., Chandra, R., and Jenner, G.A., (2001) Fe-Ti-enriched mafic rocks from south Andaman ophiolite suite: Implication of late stage liquid immiscibility, *Current Science*, **80**(3), 453-454.

- Sheth, H.C., Ray, J.S., Bhutani, R., Kumar, A., and Smitha, R.S., (2009a) Volcanology and eruptive styles of Barren Island: an active mafic stratovolcano in the Andaman Sea, NE Indian Ocean, *Bulletin of Volcanology*, **71**, 1021–1039.
- Sheth, H.C., Ray, J.S., Ray, R., Vanderkluysen, L., Mahoney, J.J., Kumar, A., Shukla, A. D., Das, P., Adhikari, S., and Jana, B., (2009b) Geology and geochemistry of Pachmarhi dykes and sills, Satpura Gondwana Basin, central India: problems of dyke-sill-flow correlations in the Deccan Traps, *Contributions to Mineralogy and Petrology*, **158(3)**, 357–380.
- Sheth, H.C., Ray, J.S., Bhutani, R., Kumar, A., and Awasthi, N., (2010) The latest (2008–09) eruption of Barren Island volcano, and some thoughts on its hazards, logistics and geotourism aspects, *Current Science*, **98**, 620–626.
- Shukla, A.D., (2011) Geochemical and isotopic studies of some sedimentary sequences of the Vindhyan Supergroup, India, *Ph.D. thesis, M.S. University of Baroda, Vadodara, India*.
- Sijinkumar, A.V., Nagender Nath, B., and Guptha, M.V.S., (2010) Late Quaternary record of pteropod preservation from the Andaman Sea, *Marine Geology*, **275 (1–4)**, 221–229.
- Sinclair, H.D., and Jaffey, N., (2001) Sedimentology of the Indus Group, Ladakh, northern India: implications for the timing of initiation of the palaeo-Indus River, *Journal of the Geological Society*, **158(1)**, 151–162.
- Singh, A.D., Jung, S.J., Darling, K., Ganeshram, R., Ivanochko, T., and Kroon, D., (2011) Productivity collapses in the Arabian Sea during glacial cold phases, *Paleoceanography*, **26(3)**, PA3210.
- Singh, O.P., Subramanya, S.M., and Sharma, V., (2000) Early Neogene multiple microfossil biostratigraphy, John Lawrence Island: Andaman Sea, *Micropalaeontology*, **46**, 343–352.
- Singh, Y., and Krishna, V., (2009) Rb-Sr geochronology and petrogenesis of granitoids from the Chhotanagpur granite gneiss complex of Raikera-Kunkuri region, central India, *Journal of the Geological Society of India*, **74(2)**, 200–208.
- Som, S.K., Shivgotra, V., and Ashim, S., (2009) Coral microatoll as geodetic tool in North Andaman and Little Andaman, India, *Journal of Earth System Science*, **118 (2)**, 157–162.
- Somayajulu, B.L.K., Bhushan, R., Sarkar, A., Burr, G.S., and Jull, A.J.T., (1999) Sediment deposition rates on the continental margins of the eastern Arabian Sea using ^{210}Pb - ^{137}Cs - ^{14}C , *Science of the total environment*, **237**, 429–439.
- Srinivasan, M.S., (1977) Standard planktonic foraminiferal zones of the Andaman-Nicobar Late Cenozoic, *Recent researches in geology*, **3**, 23–39.

- Srinivasan, M.S., (1979) Geology and mineral resources of the Andaman and Nicobar Islands, *Andaman Nicobar Information 1978–1979*, Government Printing Office, Port Blair.
- Srinivasan, M.S., (1984) The Neogene of Andaman-Nicobar, *Contributions to Biostratigraphy and Chronology*, University of Tokyo Press, Japan, 203–207.
- Srinivasan, M.S., (1986) Neogene reference sections of Andaman–Nicobar: their bearing on volcanism, sea-floor tectonism and global sea-level changes, In: Ghose, N.C., Varadarajan, S. (Eds.), *Ophiolites and Indian Plate Margin*, 295–308.
- Srinivasan, M.S., (1988) Late Cenozoic sequences of Andaman Nicobar Islands; their regional significance and correlation, *Indian Journal of Geology*, **60**, 11–34.
- Srinivasan, M.S., and Azmi, R.J., (1979) Correlation of late Cenozoic marine sections in Andaman–Nicobar, northern Indian Ocean and the equatorial Pacific, *Journal of Paleontology*, **53**, 1401–1415.
- Srivastava, R.K., Chandra, R., and Shastry, A., (2004) High-Ti type N-MORB parentage of basalts from the south Andaman ophiolite suite, India, *Proceedings of the Indian Academy of Sciences-Earth and Planetary Sciences*, **113**(4), 605–618.
- Stephenson, D., and Marshall, T.R., (1984) The petrology and mineralogy of Mt. Popa and the nature of the late-Cenozoic Burma volcanic arc, *Journal Geological Society of London*, **141**, 747–762.
- Stern, R. J., (2002) Subduction zones, *Reviews of Geophysics*, **40**(4), 1012.
- Stolper, E., and Newman, S., (1994) The role of water in the petrogenesis of MarianaTrough magmas, *Earth and Planetary Science Letters*, **121**, 293–325.
- Streck, M.J., Ramos, F., and Gillam, A., (2011) The Intra-oceanic Barren Island and Narcondam Arc Volcanoes, Andaman Sea: Implications for Subduction Inputs and Crustal Overprint of a Depleted Mantle Source, Topics in Igneous Petrology, Ray J.S. et al. (edition), Springer, 258–273.
- Stuiver, M., and Reimer, P.J., (1993) Extended ^{14}C data base and revised CALIB radiocarbon calibration program, *Radiocarbon*, **35**, 215– 230.
- Stummeyer, J., Marchig, V., and Knabe, W., (2002) The composition of suspended matter from Ganges–Brahmaputra sediment dispersal system during low sediment transport season, *Chemical geology*, **185**(1), 125–147.
- Sun, S.S., and McDonough, W.F., (1989) Chemical and isotopic systematics of oceanic basalts: implications for mantle composition and processes, *Geological Society, London, Special Publications*, **42**(1), 313–345.

- Tanaka, T., Togashi, S., Kamioka, H., Amakawa, H., Kagami, H., Hamamoto, T., Yuhara, M., Orihashi, Y., Yoneda, S., Shimizu, H., Kunimaru, T., Takahashi, K., Yanagi, T., Nakano, T., Fujimaki, H., Shinjo, R., Asahara, Y., Tanimizu, M., and Dragusanu, C., (2000) Indi-1: a neodymium isotopic reference in consistency with LaJolla neodymium, *Chemical Geology*, **168**, 279-281.
- Taylor, S.R., and McLennan, S.M., (1985) The continental crust: its composition and evolution.
- Taylor, B., and Martinez, F., (2003) Back-arc basin basalt systematic, *Earth and Planetary Science Letters*, **210(3)**, 481-497.
- ten Veen, J.H., and Kleinspehn K.L., (2003) Incipient continental collision and plate-boundary curvature: Late Pliocene–Holocene transtensional Hellenic forearc, Crete, Greece, *Journal of the Geological Society*, **160 (2)**, 161–181.
- Thakkar, M.G., (2005) Preliminary documentation of ground deformation and tsunami effects at Andaman & Nicobar Islands and eastern coast of India, *Project Completion Report submitted to Department of Science and Technology*, 74.
- Thamban, M., Purnachandra Rao, V., Schneider, R. R., and Grootes, P. M., (2001) Glacial to Holocene fluctuations in hydrography and productivity along the southwestern continental margin of India, *Palaeogeography, Palaeoclimatology, Palaeoecology*, **165(1)**, 113-127.
- Thamban, M., Purnachandra Rao, V., and Schneider, R. R., (2002) Reconstruction of late Quaternary monsoon oscillations based on clay mineral proxies using sediment cores from the western margin of India, *Marine geology*, **186(3)**, 527-539.
- Thamban, M., Kawahata, H., and Purnachandra Rao, V., (2007) Indian summer monsoon variability during the Holocene as recorded in sediments of the Arabian Sea: timing and implications, *Journal of Oceanography*, **63(6)**, 1009-1020.
- Tipper, B.H., (1911) The geology of the Andaman Islands, with reference to the Nicobars, *Memoirs of the Geological Survey of India*, **35**, 195-216.
- Thompson, R.N., (1980) Major-Element Chemistry of Basaltic glasses in hole 418A lavas and a dyke: deep sea drilling project legs 52 and 53, *Initial reports of the Deep Sea Drilling Project: a project planned by and carried out with the advice of the Joint Oceanographic Institutions for Deep Earth sampling*, **51**, 973.
- Thouveny, N., de Beaulieu, J.-L., Bonifay Creer, E., Guiot, K.M.J., Icole, M., Johnsen, S., Jouzel, J., Reille, M., Williams, T., and Williamson, D., (1994) Climate variations in Europe over the past 140 kyr deduced from rock magnetism, *Nature*, **371**, 503–506.

- Thurach, H., (1884) U" ber das Vorkommen mikroskopischer Zirkoneund Titanmineralien in den, *Gesteinen. Verh. Phys. Med. Ges. Wurzburg.*, **18**, 203-284.
- Tiwari, M., Ramesh, R., Somayajulu, B.L.K., Jull, A.J.T., and Burr, G.S., (2005) Early deglacial (~19–17 ka) strengthening of the northeast monsoon, *Geophysical Research Letters*, **32**, 1–4.
- Tripathy, G., Singh, S., Bhushan, R., and Ramaswamy, V., (2011) Sr–Nd isotope composition of the Bay of Bengal sediments: Impact of climate on erosion in the Himalaya, *Geochemical Journal*, **45**, 175–186.
- Turner, S., and Foden, J., (2001) U, Th and Ra disequilibria, Sr, Nd and Pb isotope and trace element variations in Sunda arc lavas: predominance of subducted sediment component, *Contribution to Mineralogy and Petrology*, **142**, 43–57.
- Tutken, T., Eisenhauer, A., Wiegand, B., and Hansen, B.T., (2002) Glacial-interglacial cycles in Sr and Nd isotopic composition of Arctic marine sediments triggered by the Svalbard/Barents Sea ice sheet, *Marine Geology*, **182**, 351–372.
- Uddin, A., and Lundberg, N., (1998) Unroofing history of the eastern Himalaya and the Indo-Burman Ranges: Heavy-mineral study of Cenozoic sediments from the Bengal basin, Bangladesh, *Journal of sedimentary Research*, **68**(3).
- Ullah, M.S., (2010) Provenance Analysis and Depositional System of the Late Quaternary Sediment from the Ganges-Brahmaputra (GB) Delta, Bangladesh: Application of Strontium Geochemistry, *Doctoral dissertation, Vanderbilt University*.
- Underwood, M.B., and Bachanan, S.B., (1982) Sedimentary facies associations within subduction complexes, In *Trench Forearc Geology: Sedimentation and Tectonics on Modern and Ancient Active Plate Margins* (ed. J. K. Legget), Geological Society of London, Special Publication, *Oxford: Blackwell Scientific Publications*, **10**, 537–550.
- Uyeda, S., and Kanamori, H., (1979) Back-arc opening and the mode of subduction, *Journal of Geophysical Research*, **82**, 1049–1061.
- Vance, D., and Harris, N., (1999) Timing of prograde metamorphism in the Zaskar Himalaya, *Geology*, **27**(5), 395–398.
- Van Campo, E., (1986) Monsoon fluctuations in two 20,000-yr BP oxygen-isotope/pollen records off southwest India, *Quaternary Research*, **26**(3), 376–388.
- van der Plijm, B., and Marshal, S., (2004) *Earth Structure- An Introduction to Structural geology and Tectonics, Norton and Company*, **2**.

- Van Bemmelen, R.W., (1949) The Geology of Indonesia, *The Hague, Government Printing Office*, **2**.
- Walter, H.J., Hegner, E., Diekmann, B., Kuhn, G., and Rutgers van der loeff, M.M., (2000) Provenance and transport of terrigenous sediment in the south Atlantic Ocean and their relations to glacial and interglacial cycles: Nd and Sr isotopic evidence, *Geochimica Cosmochimica Acta*, **64**, 3813–3827.
- Wakita, K., (2000) Cretaceous accretionary–collision complexes in central Indonesia, *Journal of Asian Earth Sciences*, **18**, 729–49.
- Wakita, K., Miyazaki, K., Zulikarnain, I., Sopaheluwakan, J., and Sanyoto, P., (1998) Tectonic implication of new age data for the Meratus Complex of South Kalimantan, Indonesia, *Island Arc*, **7**, 202–22.
- Wang, Y.L., Liu, Y.G., and Schmitt, R.A., (1986) Rare earth element geochemistry of South Atlantic deep sea sediments: Ce anomaly change at ~ 54 My, *Geochimica et Cosmochimica Acta*, **50(7)**, 1337-1355.
- Wang, Y., Cheng, H., Edwards, R.L., He, Y., Kong, X., An, Z., Wu, J., Kelly, M.J., Dykoski, C.A., and Li, X., (2005) The Holocene Asian monsoon: links to solar changes and North Atlantic climate, *Science*, **308(5723)**, 854-857.
- Weltje, G.J., and von Eynatten, H., (2004) Quantitative provenance analysis of sediments: review and outlook, *Sedimentary Geology*, **171(1)**, 1-11.
- Westgate, J.A., Shane, P.A.R., Pearce, N.J.G., Perkins, W.T., Korisettar, R., Chesner, C.A., Williams, M.A.J., and Acharyya, S.K., (1998) All Toba tephra occurrences across peninsular India belong to the 75,000 yr B.P. eruption, *Quaternary Research*, **50**, 107–112.
- Woodroffe, S. A., and Horton, B. P., (2005) Holocene sea-level changes in the Indo-Pacific, *Journal of Asian Earth Sciences*, **25(1)**, 29-43.
- Wu, F., Clift, P.D., and Yang, J., (2007) Zircon Hf isotopic constraints on the sources of the Indus Molasse, Ladakh Himalaya, India, *Tectonics*, **26(2)**.
- Yadava, M.G., and Ramesh, R., (1999) Speleothems - useful proxies for past monsoon rainfall, *Journal of Scientific and Industrial Research*, **58**, 339-348.
- Yokoyama, Y., Lambeck, K., De Deckker, P., Johnston, P., and Fifield, L., (2000) Timing of the Last Glacial Maximum from observed sea-level minima, *Nature*, **406(6797)**, 713-716.
- Zhao, Z., Mo, X., Dilek, Y., Niu, Y., DePaolo, D.J., Robinson, P., Zhu, D., Sun, C., Dong, G., Zhou, S., Luo, Z., and Hou, Z., (2009) Geochemical and Sr–Nd–Pb–O isotopic compositions of the post-collisional ultrapotassic magmatism in SW Tibet: petrogenesis and implications for India intra-continental subduction beneath southern Tibet, *Lithos*, **113(1)**, 190-212.

4. **Awasthi Neeraj** and Ray J.S. (2012) Provenance of siliciclastic rocks of Andaman accretionary prism: Implications from Sr-Nd isotopic ratio variations, 34th IGC, Brisbane, Australia. (*Oral presentation*)