

Research Papers
on
Environmental Radio-isotope Studies

Bhishm Kumar and U. K. Singh (1996) 'Radioactive contaminants in water and their measurement techniques using ultra low level liquid scintillation spectrometer', Ind. Jl. Envi. Protection, 16(4):273-278.

Bhishm Kumar, Rm. P. Nachiappan, S. P. Rai, Saravana Kumar and S. V. Navada (1999) 'Improved prediction of life expectancy for a Himalayan lake: Nainital, U.P., India'. Mountain Res. and Development 19(2):113-121.

Bhishm Kumar, Rm. P. Nachiappan and S. P. Rai (1999) 'Impact of sedimentation on the hydrology of lake Nainital, Kumaun Himalaya, India'. Proc. International Conference on Water, Environment, Ecology, Socio-Economics, and Health Engineering (WEESHE), Seoul National University, 18-21 October, 1999, Seoul, Korea.

Gupta, S. K. and P. Sharma, (1980). Radiotracer dating of ground waters, An assessment of potentialities and limitations, Proc. of the Workshop on Nuclear Techniques in Hydrology held at NGRI Hyderabad, India.

Kulkarni, K.M., S.V. Navada, A.R. Nair, S.M.Rao, K.Shivanna, U.K. Sinha, Suman Sharma (1997), Drinking water salinity problem in coastal Orissa-Identification of past trasngression of sea by isotope investigation. Intl. Symp. on isotope techniques in the study of past and current environmental changes in the Hydrosphere and Atmosphere, IAEA, Vienna.

Kulkarni, K.M., K. Shivanna, Suman Shgarma, U.K. Sinha, U.P. Kulkarni, A.R. Nair and S.V. Navada (1999) Application of nuclear techniques in carbonate rock aquifers: field studies, in Hydrogeology of Precambrian Terraines and Hard Rock Areas, Proc. Symp. Karnatak University, Dharwad.

Lal. D. (1970) Silicon-32 hydrology, Proc. of a Symp. on Isotope Hydrology 1970, 9-13 March, IAEA, Vienna.

Mishra, S. K & Rm. P. Nachiappan (1996), 'Field investigations in river Narmada for palaeoflood reconstruction', *Jl. of Indian Assoc. Sedimen.* 15(2):155-164.

Nair, A.R., U.K. Sinha, T.B. Joseph, and S.M. Rao (1995) Radiocarbon dating upto 37000 years using CO absorption technique. *Nuclear Geophysics* 9(3):

Nair, A.R., S.V. Navada, S.M. Rao (1999) Isotope study to investigate the origin and age of groundwater along paleochannels in Jaisalmer and Ganganagar district of Rajasthan Vedic Saraswati Memoir 42, *Geol. Soc. of India.* pp 315-320.

Rao, S.V.N., S.M. Marathe, K. Shivanna, S.V. Navada (1998) Studies on the concentration levels of Arsenic in groundwater of W.Bengal, *Environmental Geochemistry*, 1(2): 89-90.

Saravanakumar, S. V. Navada, S. M. Rao, Rm. P. Nachiappan, Bhishm Kumar, T. M. Krishnamoorthy, S. K. Jha and V. K. Shukla (1999) 'Determination of recent sedimentation rates and pattern in Lake Naini, India by ^{210}Pb and ^{37}Cs dating techniques'. *Applied Radiation and Isotopes* 51:97-105.

Sarin, M.M., K.S. Rao, S.K.Bhattacharya, R.Ramesh & B.L.K. Somayajulu (1985) Geochemical studies of river estuarine systems of Krishna and Godavari, *Mahasagar* 18(2)129-143.

Sarin, M. M., R. Bhushan, R. Rangarajan & D.N. Yadav (1992). Simultaneous determination of U series nuclides in waters and Arabian Sea and Bay of Bengal. *Indian J. of Marine Sciences*, Vol.21, June. pp. 121-127.

Shahul Hameed, A. and K.Vasu (1997). Application of isotope technique for water quality management and pollution control. paper presented at the National Seminar on Water Quality Surveillance and Sustainable Issues. 10-13, Gandhigram Rural Institute, Dindigul.

Shivanna, K., A.R. Nair, Suman Sharma, U.K. Sinha, T.B. Joseph, S.V. Navada, S.M. Rao (1998) Application of Environmental isotope techniques

to investigate Arsenic pollution in groundwaters in some parts of W.Bengal .Proc. Intl. Conf. on Environment and Health, Bangalore.

Shivanna, K. (1999) Arsenic pollution in groundwaters in W.Bengal. Workshop on Groundwater pollution and its Protection with special reference to Arsenic contamination, Calcutta.

Shivanna, K., S.V. Navada, A.R. Nair, K.M. Kulkarni, S.M. Rao (1998) Isotope Geochemical evidences of groundwater salinity and climatic change in east coast of India. Proc. Symp. Late Quaternary Geology and Sea level changes, Cochin.

Shivanna,K., S.V. Navada, K.M. Kulkarni, U.K. Sinha, S. Sharma (1998) Application of isotope techniques to investigate groundwater pollution in India.

Somayajulu, B.L.K. (1969). Cosmic ray produced ^{32}Si in near coastal waters, Proc. Ind. Acad. Science LXIX , 338.

Somayajulu, B. L. K., D.N. Yadav and M M Sarin (1994). Recent sedimentary records from the Arabian Sea. Proc. Indian Acad. Sci. Vol.103. No.2. June. pp.315-327.

Sukhija, B.S. (1978). Ground water recharge rates in semi-arid region of India using environmental tritium. Proc. of a Symp. on Study and management of Water Resources in Arid and Semi-arid region, held at PRL, Ahmedabad, 1978.

Vasu, K., A. Shahul Hameed and K.T.Velayuthan (1994). An investigation on the migration of pollutants form multisources in groundwater using isotope techniques. Paper presented at the research coordination of CRP held at IAEA Vienna during 24-26 June ,1996.

Yadav, D.N., M.M. Sarin and B.L.K. Somayajulu continental margins of India: Are they sink or source for trace elements in the Arabian Sea. Reprint from Oceanography of the Ocean. Editor B.N. Desai, National Institute of Oceanography, Dona Paula, Goa.