

- Abdelkader Rouabhia, Fethi Baali and Chemseddinne Fehdi (2009). Impact of agricultural activity and lithology on groundwater quality in the Merdja area, Tebessa, Algeria. *Arabian Journal of Geosciences*. Vol.3, pp.307–318.
- Abdulla, N.M. (1981), Geology of parts of Nanguneri taluk, Tirunelveli district, Tamilnadu (Unpublished report of GSI)
- Abdulla, N.N. and Paranthaman, S (1983), Geology of parts of Tenkasi and Shencottah taluks, Tirunelveli district, Tamilnadu, (Unpublished report of GSI)
- Adel Elfouly (2000). Faults and Fractures Intersections Delineation as a Tool for Groundwater Detection Using Remote Sensing and Ground Penetrating Radar Techniques at Saint Catherine area, Southern Sinai, Egypt. A. A. EIFouly / ICEHM2000, Cairo University, Egypt, pp. 293- 310.
- Adil Elkrai, Omer Kheir, Longcang Shu and Hao zhenchun (2004). Hydrogeology of the Northern Gezira Area, Central Sudan. *Journal of Spatial Hydrology*. Vol.4, No.2, pp. 1-11.
- Adyalkar, P.G., Mani, V.V.S., (1972): An attempt at estimating the Transmissibility of trappean aquifers from specific capacity values. *Jour. Hydro.*, 17, pp. 237-241
- Afolalu Felix Olugbenga (2009). Two Dimensional Shallow Resistivity Investigation of the Ground Water Potential at Nuhu Bamalli Polytechnic, Zaria Main Campus using Electrical Imaging Technique. *The Pacific Journal of Science and Technology*. Vol. 10, pp.602-613.

- Ahilan.J and Senthil Kumar.G.R (2011). Identification of aquifer zones by VES method: A case study from Mangalore block, Tamil Nadu, S. India. Archives of Applied Science Research. Vol.3 (2), pp.414-421.
- Ahmed Saif and Al-Mikhlaifi (2009). Groundwater quality of Yemen volcanic terrain and their geological and geochemical controls. Arab Journal of Geosciences. Vol. 3, pp.193–205.
- Akaram Javed and Mushtaq Hussain Wani., (2009). Delineation of Groundwater Potential Zones in Kakund Watershed, Eastern Rajasthan, Using Remote Sensing and GIS Techniques. Journal Geological Society of India. Vol.73, pp.229-236
- Ali El-Naqa, Nezar Hammouri, Khalil Ibrahim, Masdouq El-Taj (2009) Integrated Approach for Groundwater Exploration in Wadi Araba Using Remote Sensing and GIS, Jordan journal of Civil Engineering, Volume 3, No.3.
- Alivia Chowdhury Madan, K.Jha and V.M.Chowdary., (2009). Delineation of groundwater recharge zones and identification of artificial recharge sites in West Medinipur district, West Bengal, using RS, GIS and MCDM techniques. Environ Earth Sci, Vol.59, pp.1209–1222.
- Anbazhagan.S, S.M.Ramasamy, and S.Das Gupta, (2005). Remote sensing and GIS for artificial recharge study, runoff estimation and planning in Ayyar basin, Tamil Nadu, India. Environ Geol, Volume 48, pp. 158–170
- Andrade.A. I. A. S. S and Stigter.T.Y (2010). Hydrogeochemical controls on shallow alluvial groundwater under agricultural land: case study in central Portugal. Journal of Environ Earth Science.

- Andrea Croskrey and Chris Groves (2007). Groundwater sensitivity mapping in Kentucky using GIS and digitally vectorized geologic quadrangles. *Environ Geol.* Vol.54, pp.913–920
- Ariyo, S.O. and Adeyemi, G.O (2009). The Role of Electrical resistivity method for groundwater exploration in hard rocks areas. A case study from Fidiwo/Ajebo areas of Southwestern Nigeria. *The Pacific Journal of Science and Technology*; 10 (1): 483-486.
- Armada.Leo.T, Dimalanta. Carla B, Yumul. Graciano P, and Rodolfo A. Tamayo (2009). Georesistivity Signature of Crystalline Rocks in the Romblon Island Group, Philippines. *Philippine Journal of Science.* Vol.138 (2), pp. 191-204.
- Arumugam.K and Elangovan.K (2008). Hydrochemical characteristics and groundwater quality assessment in Tirupur Region, Coimbatore District, Tamil Nadu, India. *Environ Geol.* Vol.58, pp.1509–1520.
- Ashok Kumar and Savita Tomar (1998). Groundwater Assessment Through Hydrogeomorphological and Geophysical Survey, A Case Study in Godavari Sub-Watershed, Giridih, Bihar. *Journal of the Indian Society of Remote Sensing.* Vol. 26, pp-177-183.
- Assefa M. Melesse, Vijay Nangia and Xixi Wang (2006). Hydrology and Water Balance of Devils Lake Basin: Part 1 Hydrometeorological Analysis and Lake Surface Area Mapping. *Journal of Spatial Hydrology* Vol.6, No.1, pp. 120 – 132.

Awad Abdel-Khalek Ahmed Omran (2008): Integration of Remote Sensing, Geophysics and Gis to Evaluate Groundwater Potentiality – A Case Study In Sohag Region, Egypt. Geology Department, Faculty of Science, Assiut University, Assiut, Egypt.

Badmus.B.S and Olatinsu.O.B (2010). Aquifer characteristics and groundwater recharge pattern in a typical basement complex, Southwestern Nigeria. African Journal of Environmental Science and Technology. Vol. 4 (6), pp. 328-342.

Bajpai.V.N (2004). Hydrogeological evolution of the Luni river basin, Rajasthan, western India: A review. Indian Acad. Sci. (Earth Planet. Sci.), 113, No. 3, pp. 427 – 451.

Balakrishna S and Ramanujachary K.R., (1979), Resistivity investigations in Deccan trap regions, Geophys. Res Bull., 16, 1, pp. 31-40.

Balakrishna, S., Subramanyam, K., Gogte, B.S., Sharma, S.V.S., and Venkatanarana B., (1983), Groundwater investigation in the Union territory of Dadra and Nagar Haveli, Geophys. Res. Bull. 21, 4, pp. 347-359.

Balasubramanian.A, (1980): some aspects of Groundwater investigations applied in the Swedish International Development Authority assisted Project, Central Groundwater Board, Coimbatore, Unpublished M.Sc., Thesis, (Annamalai University) 95p.

Balasubramanian.A, (1986), Hydrogeological investigation in the Tambraparani river basin, Tamil Nadu, Unpublished Ph.D. Thesis (Univ. of Mysore) 345p.

- Balasubramanian.A, Sharma.K.K. and Sastri, J.C.V. (1985) Geoelectrical and hydrogeochemical evaluation of coastal aquifers of Tambraparani basin, Tamilnadu, Geophy. Res. Bull. 23(4): 203-209.
- Banton and Bangoy (1996). T A New Method to Determine Storage Coefficient from Pumping Test Recovery Data Volume 34, Issue 5 September 1996 Pages 772–777.
- Batte.A.G, Barifajjo.E, Kiberu.J.M, Kawule.W, A. Muwanga.A, Owor.M and Kisekulo.J (2010). Correlation of Geoelectric Data with Aquifer Parameters to Delineate the Groundwater Potential of Hard rock Terrain in Central Uganda. Journal of Pure Appl. Geophys. Vol.167, pp.1549–1559.
- Batte.A.G, Muwanga.A and Sigrist.W.P (2008). Evaluating the use of vertical electrical sounding as a groundwater exploration technique to improve on the certainty of borehole yield in kamuli district (eastern uganda). African Journal of Science and Technology. Vol.9, No.1, pp.72-85.
- Bilgehan Nas and Ali Berkday (2008). Groundwater quality mapping in urban groundwater using GIS. Environ Monit Assessment. Vol.160, pp.215–227.
- Biswas.A.B, and Chatterjee, P.K., (1967): On representation of water table by Grid deviation method. Bull. Geol. Soc. In. 4, pp.12-14.
- Biwas T K and Mukherjee S K (1995). Text book of soil science. Tata McGraw Hill pub. Comp. Ltd. New Delhi. Pp. 153-220.
- Boulton, N.S., and Streltsova, T.D., (1976): The drawdown near an abstraction well of large diameter under non-steady conditions in an unconfined aquifer, Jour, Hydro. 30, pp.29-46

- Bradbury, K.R., Rothschild, E.R., (1985): A computerized technique for estimating the hydraulic conductivity of aquifers from specific capacity data, *Groundwater* 23,2, pp.240-246
- Butt, M.A., and McElwee, C.D., (1985): Aquifer parameter evaluation from variable rate Pumping tests using convolution and sensitivity analysis. *Groundwater*, 23,2 pp.212-219
- Caglayan Balkaya, Ali Kaya.M and Gokhan Gokturkler (2009). Delineation of shallow resistivity structure in the city of Burdur, SW Turkey by vertical electrical sounding measurements. *Environ Geol. Vol. 57*, pp.571–581.
- Casmir Akaolisa (2006). Aquifer transmissivity and basement structure determination using resistivity sounding at jos plateau state Nigeria. *Environmental Monitoring and Assessment. Vol.114*, pp. 27–34.
- Chatterjee RS and Bhattacharya AK (1995). Delineation of drainage pattern of a coal basin related inference using satellite remote sensing techniques. *Asia Pacific Rem. Sen. J.*, 1, 107-114.
- Chaudhary.B.S and Sandeep Aggarwal, (2009). Demarcation of Palaeochannels and Integrated Ground Water Resources Mapping in Parts of Hisar District, Haryana. *J. Indian Soc. Remote Sens. Vol. 37* pp.251–260.
- Choudhary.N.K, C.S.Agarwal and D.K.Sharma, (1998). An Integrated Approach For Ground Water Investigation Part Of Fatehpur Sikri Of District Agra-A Case Study.*Journal of the Indian Society of Remote Sensing, Vol. 16, No. 1*, pp.29-39.

- Chowdary.V.M., D. Ramakrishnan, Y. K. Srivastava, Vinu Chandran and A. Jeyaram (2009) Integrated Water Resource Development Plan for Sustainable Management of Mayurakshi Watershed, India using Remote Sensing and GIS, Water Resources Management, June 2009, Volume 23, Issue 8, pp 1581-1602
- Cooper, H.H., and Jacob, C.E., (1946): A generalized graphical method for evaluating formation constants and summarizing well field history. Amer. Geophysics
- Csallany S. (1966). Graphical Method for Determining Co-efficient of Transmissibility. Jour. of Amer. Water Works Assn., Vol.58. pp 628-634.
- Dar.M.A, K.Sankar and I.A.Dar (2010). Groundwater Prospects Evaluation-based on Hydrogeomorphological Mapping: A case study in Kancheepuram District, Tamil Nadu. J. Indian Soc. Remote Sens. Vol. 38, pp. 333-343.
- Das.S, Behera.S.C, Kar.A, Narendra.P and Guha.S (1997). Hydrogeomorphological Mapping in Ground Water Exploration Using Remotely Sensed Data-A Case Study in Keonjhar District, Orissa. Journal of the Indian Society of Remote Sensing. Vol. 25, PP.245-259.
- Das.S.N, Mondal.S.N and Singh.V.S (2007). Groundwater Exploration in Hard Rock Areas of Vizianagaram District, Andhra Pradesh, India. Journal of Indian Geophysics Union. Vol.11, No.2, pp.79-90.
- Davis, S. N., and Dewiest, J. M., (1966): Hydrogeology, Vol 463, Wiley, N.Y.

- Dinesh kumar.P.K, G.Gopinath and P.Seralathan, (2007). Application of remote sensing and GIS for the demarcation of groundwater potential zones of a river basin in Kerala, southwest coast of India. *International Journal of Remote Sensing* Vol. 28, No. 24, pp. 5583–5601.
- Dipankar Saha, Y.R.Dhar and S.S.Vittala., (2009). Delineation of groundwater development potential zones in parts of marginal Ganga Alluvial Plain in South Bihar, Eastern India. *Environ Monit Assess* Vol.165, pp.179–191.
- Domenico, P. A., and Schwartz, F.W., (1990): Physical and chemical hydrogeology. Wiley, New York, 410-420.
- Donnelly.L.J, M.G.Culshaw, P.R.N.Hobbs, R.C.Flint and P.D.Jackson (2005). Engineering geological and geophysical investigations of a slope failure at Edinburgh Castle, Scotland. *Bull Eng Geol Environ*. Vol.64, pp. 119–137.
- Eaton, (1954): Significance of Carbonate in irrigation water, *Soil Sc.* 69(2), pp 123-133
- Ekwe.A.C, OnuN.N and Onuoha.K.M (2006). Estimation of aquifer hydraulic characteristics from electrical sounding data: the case of middle Imo River basin aquifers, south- eastern Nigeria. *Journal of Spatial Hydrology*. Vol.6, No.2, pp. 120-132.
- Erhan Sener, Aysen Davraz, Mehmet Ozcelik (2005) An integration of GIS and remote sensing in groundwater investigations: A case study in Burdur, Turkey, *Hydrogeology Journal*, October 2005, Volume 13, Issue 5, pp 826-834
- Fairbridge, Rhodes W (1968) *The Encyclopedia of Geomorphology*, pp 388-403.

- Fenske, P.R., (1977B): Type curves for recovery of a discharging well with storage, Jour. Hydro., 32, pp.341-348
- Fenske, P.R., 1977A: Radial flow with discharging well and observation well storage. Jour.Hydrol. 32, pp.87-96
- Freeze, R.A and Cherry, J.A., (1979): Groundwater, Prentice Hall, Inc, N.J p.604.
- Galin D.J (1979), Use of longitudinal conductance in vertical electrical soundings induced potential method for solving hydrogeologic problems, Vestrik Moskovskogo Universteta, Geologiya, 34, 3, pp. 97-100.
- Girish Kumar.M, A.K.Agarwal and Rameshwar Bali, (2008). Delineation of Potential Sites for Water Harvesting Structures using Remote Sensing and GIS. Journal of Indian Soc. Remote Sens. Vol. 36 pp.323–334.
- Gokhan Gokturkler, Caglayan Balkaya, Zu'lfikar Erhan and Ayca Yurdakul (2008). Investigation of a shallow alluvial aquifer using geoelectrical methods: a case from Turkey. Environ Geol. Vol.54, pp.1283–1290.
- GSI (1995). Geological and Mineralogical map of Tamil Nadu and Pondichery, topographical sheet, Tamilnadu, Geological Survey of India, 1995.
- GSI (2006). Geology and Mineral Resources of The States Of India Tamil Nadu And Pondicherry. Miscellaneous Publication No. 30.
- Gurugnanam.B, Suresh.M, Vinoth.M, Prabhakaran.N and Kumaravel.S (2009). GIS based microlevel approach for hydrogeochemical studies in upper Manimutharu sub basin, Vellar, South India. Indian Journal of Science and Technology. Vol.2 No. 11, pp.5-10.

- Hantush M S. (1962). Aquifer Tests on Partially Penetrating Wells. Transaction ASCE, Vol.137(1). pp 284-308.
- Hantush M S. (1966). Analysis of Data from Pumping Test in Anisotropic Aquifers, Jour. Geophysical Research, vol.71. pp 421-426.
- Henriet.J.P., (1975), Direct interpretation of the Don Zarrow Parameters in Groundwater surveys, Geophys, Pros.24, pp344-353.
- Horton, R.K., (1965): An index number system for rating water quality, Journal of Water Poll. Cont. Fed., Vo.3, pp 300-305
- Hurr T R. (1966). A New Approach for Estimating Transmissivity from Specific Capacity. Water Resources Research, Vol.2. pp 657-664.
- Imran A. Dar, K.Sankar and Mithas A. Dar.,(2010). Deciphering groundwater potential zones in hard rock terrain using geospatial technology. Environ Monit Assess. Vol.10661-010-1407-6.
- Jalali .M and Merrikhpour.H (2008). Effects of poor quality irrigation waters on the nutrient leaching and groundwater quality from sandy soil. Environ Geol. Vol. 53, pp.1289–1298.
- Jasrotia.A.S, R.Kumar and A.K.Saraf., (2007). Delineation of groundwater recharge sites using integrated remote sensing and GIS in Jammu district, India. International Journal of Remote Sensing. Vol. 28, No. 22, 20 p.5019 – 5036.
- Jayakumar R and Ramasamy SM. (1996). Groundwater Targeting in Hard rock Terrain Through Geomorphic Mapping: A case study in part of South

India. Asian Pacific Remote Sensing and GIS Journal, Vol.8, No.2, Jan.'96. pp 17-23.

Jeevanandam.M, Kannan.R, Srinivasalu.S and Rammohan,V (2006). Hydrogeochemistry and Groundwater Quality Assessment of Lower Part of the Ponnaiyar River Basin, Cuddalore District, South India. Environ Monitoring Assessment.Vol.132, pp.263–274.

Jha. Madan K, Kumar.S, and Chowdhury.A (2007). Vertical electrical sounding survey and resistivity inversion using genetic algorithm optimization technique. Journal of Hydrology. Vol. 359, pp.71– 87.

Karant K.R., (1987): Groundwater assessment, development and management. Tata McGraw Hill, New Delhi.

Karant, K.R. (1989). Hydrogeology. Tata-Mc-Graw Hill Pub. Co. Ltd., New Delhi, 458 p.

Kollert, R., (1969): Groundwater exploration by the electrical resistivity method, ABEM-Geophysics. Memorandum 3/69, p 7

Krishnakumar.S, Rammohan.V, Dajkumar Sahayam.J and Jeevanandam.M (2009). Assessment of groundwater quality and hydrogeochemistry of Manimutharu River basin, Tamil Nadu, India. Environ Monit Assess. Vol.159, pp.341–351.

Krishnamurthy.J, N. Venkatesa Kumar, V. Jayaraman, and M. Manivel (1996). An approach to demarcate ground water potential zones through remote sensing and a geographical information system. Internation Journal of Remote Sensing, vol. 17, NO. 10, pp.1867-1884.

- Kruseman, G.P., and De Ridder, N.A., (1970): Analysis and evaluation of pumping test data, Inst. for land reclamation and improvement, Wageningen, the Netherlands. p.200
- Kumanan.C.J and S.M.Ramasamy (2001), Groundwater targeting in kambam valley, south india, with the aid of satellite imagery.Water Resources Journal , St/ESCAP/SER.C/208, march. Pp.63-73.
- Kumar, A., Tomar, S. and Prasad, L.B. (1999). Analysis of fractures inferred from DBTM and remotely sensed data for Groundwater development in Godavari sub-watershed, Giridih, Bihar. Journal of Indian Society of Remote Sensing, 27 (2): pp.105-114.
- Lashkaripour (2003). An investigation of groundwater condition by geoelectrical resistivity method: A case study in Korin aquifer, southeast Iran. Journal of Spatial Hydrology. Vol.3, pp.15.
- Lillesand.T.M and Kiefer R W (1979). Remote sensing and Image Interpretation. John Wiley and Sons, New York.
- Madan.K, K.Jha, V. M. Chowdary and Alivia Chowdhury (2010). Groundwater assessment in Salboni Block, West Bengal (India) using remote sensing, geographical information system and multi-criteria decision analysis techniques. Hydrogeology Journal. DOI 10.1007/s10040-010-0631-z.
- Mashaël Al Saud (2010). Mapping potential areas for groundwater storage in Wadi Aurnah Basin, western Arabian Peninsula, using remote sensing and geographic information system techniques. Hydrogeology Journal Vol.18, pp.1481–1495.

- Matzner, R.N., (1983), Hydrogeologic and geophysical investigations of the spring field – Blackfort area, Idaho, Pap. Presented during the Tech.Edn.Sessn. 1983 Expo, 43p.
- Mc Elwee, C.D., (1980): Theis parameter evaluation from pumping tests by sensitivity analysis, *Groundwater*, 18, 1, pp.56-60.
- Mohamed El Kashouty & Aiman Abdel Aziz. and Mamdouh Soliman & Hany Mesbah., (2010). Hydrogeophysical investigation of groundwater potential in the El Bawiti, Northern Bahariya Oasis, Western Desert,Egypt. *Arab Journal of Geoscience* , DOI 10.1007/s12517-010-0253-8.
- Mohammed Amin M. Sharaf (2011). Geological and geophysical exploration of the groundwater aquifers of As Suqah area, Makkah district, Western Arabian Shield, Saudi Arabia. *Arabian Journal of Geosciences*. Vol.4, pp.993–1004.
- Mohanty.C and Behera.S.C (2010). Integrated Remote Sensing and GIS Study for Hydrogeomorphological Mapping and Delineation of Groundwater Potential Zones in Khallikote Block, Ganjam District, Orissa. *J. Indian Soc. Remote Sens.* Vol.38, pp.345–354.
- Mondal.N.C, Das.S.N and Singh.V.S (2008). Integrated approach for identification of potential groundwater zones in Seethanagaram Mandal of Vizianagaram District, Andhra Pradesh, India. *J. Earth Syst. Sci.* 117, No. 2, pp. 133–144.

- Nagarajan.M, and Sujit Singh., (2009). Assessment of Groundwater Potential Zones using GIS Technique. J. Indian Soc. Remote Sens. (March) 37: pp.69–77.
- Nandimandalam Janardhana Raju, Shukla.U.K and Prahlad Ram (2010). Hydrogeochemistry for the assessment of groundwater quality in Varanasi a fast-urbanizing center in Uttar Pradesh, India. Environ Monit Assess. pp. 1387- 6.
- Narasimhan, T.N., (1965): on testing open wells, Ind. Geohydrology, 1, pp.101-105
- Neuman, S.P., (1975): Analysis of pumping test data from anisotropic unconfined aquifers considering delayed gravity response, Wat. Res. Res., 11, 2, pp.329-342.
- Obi Reddy.G.P, K.Chandra Mouli , S.K.Srivastav , C.V.Srinivasi, and A.K, Maji (2000). Evaluation of Ground Water Potential Zones Using Remote Sensing Data - A Case Study of Gaimukh Watershed, Bhandara District, Maharashtra. Journal of the Indian Society of Remote Sensing, Vol. 28, No. I, pp. 19 – 32.
- Odoh I. Ben and A. G. Onwumemesi . (2009). Estimation of anisotropic properties of fractures in Presco campus of Ebonyi State University Abakaliki, Nigeria using Azimuthal resistivity survey method. Journal of Geology and Mining Research Vol. 1(8) pp. 172-179.
- Panapitukkul.N, Pengnoo.A, Siriwong.C and Chatupote.W (2005). Hydrogeomorphological controls on groundwater quality in the rattaphum

catchment (songkhla lake basin), thailand. *Water, Air, and Soil Pollution: Focus*. Vol. 5, pp. 149–163.

Pankaj.K, Srivastava and Amit K.Bhattacharya (2006). Groundwater assessment through an integrated approach using remote sensing, GIS and resistivity techniques: a case study from a hard rock terrain. *International Journal of Remote Sensing*. Vol. 27, No. 20, 20 pp. 4599 – 4620.

Parmasivam.K, Vijayakumar.G and Sharma.K.K (2011). Subsurface investigations in lower Palar river basin using vertical electrical resistivity surveys. Vol. 3. No.6, pp.5116-5125.

Patangay, N.S., and Murali, S. (1984): Geophysical surveys to locate groundwater resources for rural water supply, UNICEF course Pub., CEG, Osmania Univ., Hyderabad, p166.

Patangay, N.S.,(1977), Applications of surface geophysical methods for groundwater prospecting, in *Lectures on Explo. Geophysics for geologists and engineers*. Pp. 375-404.

Pradeep Kumar.G.N., P. Srinivas, K. Jaya Chandra and P. Sujatha (2010), “Delineation of Groundwater Potential Zones using Remote sensing and GIS Techniques: A Case Study of Kumapalli Vagu Basin in Andhra Pradesh, India”, *International Journal of Water Resource and Environmental Engineering*, 2(3), pp 70- 79.

Prasad.R.K, N.C.Mondal, Pallavi Banerjee, M.V.Nandakumar and V.S.Singh., (2007). Deciphering potential groundwater zone in hard rock through the application of GIS. *Environ Geol* Vol. 55, pp.467–475.

- Raju, T.S., and Rghava Rao, K.V., (1967): New approach to the analysis of pump test of an open well, paper presented at Symp.on Ground and Lake Water resources of India, Hyderabad.
- Ramalingam, M., and A.R. Santhakumar (2000) Case study on Artificial recharge using Remote Sensing and GIS. www.gisdevelopment.net.
- Ramasamy.S.M., C.J.Kumanan and K.Palanivel (2004). Certain vistas of spatial technology for groundwater resources management and overview from tamilnadu. ISG Newsletter, Volume10, No. 1 & 2, march, pp.76-89.
- Ramli.M. F, N. Yusof, M. K. Yusoff, H. Juahir and H. Z. M. Shafri, (2010) Lineament mapping and its application in landslide hazard assessment: a review, Bulletin of Engineering Geology and the Environment, May 2010, Volume 69, Issue 2,pp 215-233
- Rao.D.P (2002). Remote sensing application in geomorphology (2002). *Tropical Ecology. Vol.43(1)*, pp.49-59.
- Rashid Umar, Izrar Ahmed and Fakhre Alam (2008) Implications of Kali-Hindon inter-stream aquifer water balance for groundwater management in western Uttar Pradesh, Journal of Earth System Science, February 2008, Volume 117, Issue 1, pp 69-78
- Ravi Shankar.M.N., G. Mohan(2006), Assessment of the groundwater potential and quality in Bhatsa and Kalu river basins of Thane district, western Deccan Volcanic Province of India, Environ Geol, Vol.49, pp.990–9.

- Rayner, F.A., (1980): Pumping test analysis with a handheld calculator. Groundwater, 18, 6, 562-568.
- Richards, L.A., (1954), Diagnosis and improvement of saline and alkali soils USDA hand book, 60, 160 p.
- Rockaway J D Jr. (1970). Trend Surface Analysis of Groundwater Fluctuation. Groundwater, May-June. pp 29-36.
- Rofail N. (1965). Analysis of Pumping Test in Fractured Rocks. Proc. of Durlovink, Symp. on Hydrology and Fractured Rocks, Vol.1. pp 81-83.
- Rouabhia.A, Ch. Fehdi F. Baali, L. Djabri, R. Rouabhi (2007) Impact of human activities on quality and geochemistry of groundwater in the Merdja area, Tebessa, Algeria, Environmental Geology,, Volume 56, Issue 7, pp 1259-1268
- Ruby.D, Chitra .C, Vasantha .A, Ramasubbulakshmi.T Manivel .M (2010): Integrated analysis of Geophysical Data of Ponnaiyar river basin using Arc view GIS Software, International Journal of Geomatics and Geosciences, Volume 1, No 3, 2010
- Rushton, K.R., and Singh, V.S., (1983): Draw downs in Large diameter wells dueto decreasing abstraction rates, Groundwater, 21, 6, pp.670-677
- Sammel, E.A., (1974): Aquifer tests in large diameter wells in India, Groundwater, 12, pp.265-272.
- Sanjay Kumar Goyal.B.S, Chaudhary.Omvir Singh, Sethi.G.K and Praveen K.Thakur (2010). GIS based spatial distribution mapping and suitability

evaluation of groundwater quality for domestic and agricultural purpose in Kaithal district, Haryana state, India. Environ Earth Sciences.

Sankar.K (2002). Evaluation of Groundwater Potential Zones Using Remote Sensing Data In Upper Vaigai River Basin, Tamil Nadu, India. Journal of the Indian Society of Remote Sensing, Vol. 30, No. 3, pp. 119 – 129.

Sankaran.M, (1975) Records of the Geological Survey of India, Vol. 105, Part-I, pp. 251-252.

Sankaranarayana, P.V., and Ramanujachari, K.R., (1974): An inverse slope method for determining absolute resistivities, Geophysics, 32,6,pp.1036-1040.

Saraf.A.K and P.R.Choudhury (1998). Integrated remote sensing and GIS for groundwater exploration and identification of artificial recharge sites. International journal of remote sensing, 1998, Vol. 19, No. 10, pp. 1825 – 1841.

Scarascia, S., (1976): Contribution of geophysical methods to the management of water resources, Geo-exploration, 14, pp.265-266.

Senthilkumar,M · L. Elango, (2004) Three-dimensional mathematical model to simulate groundwater flow in the lower Palar River basin, southern India, Hydrogeology Journal, Vol. 12, pp.197–208.

Shamsuddin Shahid and Sankar Kumar Nath (2004). GIS Integration of Remote Sensing and Electrical Sounding Data for Hydrogeological Exploration. Journal of Spatial Hydrology. Vol.2 No.1.

- Shankar.B.S, Balasubramanya.N and Maruthesha Reddy.M.T (2008). Impact of industrialization on groundwater quality – a case study of Peenya industrial area, Bangalore, India Environmental Monitoring Assessment. Vol.142, pp.263–268.
- Sharma D and Jugran D K (1992) Hydromorphological studies around pinjaur-kala amb area. Ambala district (Haryana), and sirmur district (Himachal Pradesh). J. India Soc. Remote Sensing, 20(4):281-286.
- Sharma, P.V., (1976): Geophysical methods in geology, series- 12 methods in geochemistry and geophysics, Elsevier Sci. Pub. Co., p .428.
- Shibani Maitra (1999). Landforms and Geomorphological Classification of Part of The Upper Baitarani River Basin. Journal of the Indian Society of Remote Sensing. Vol. 27, pp.175-184.
- Sinha.R.S, Ashok Kumar, C.S.Agarwal and N.Hasan (1998). Aerial Remote Sensing Application in Geomorphic Mapping of a Rocky Terrain: A Case Study from Uttar Pradesh. Journal of the Indian Society of Remote Sensing, Vol. 1C, No. 1, pp.85-94.
- Slichter, C.S., (1906): The underflow in Arkansas valley in western Kansas, USGS water supply paper 153, p.61.
- Snow D T (1969). Anisotropic Permeability of Fractured Media. Water Resources Research, Vol.5. pp 1273-1289.
- Sreedhar Ganapuram , G.T. Vijaya Kumar , I.V. Murali Krishna , Ercan Kahya, M. Cüneyd Demirel, (2009) Mapping of groundwater potential zones in the

Musi basin using remote sensing data and GIS, *Advances in Engineering Software*, Vol. 40, pp. 506–518

Srinivas.Y, Muthuraj.D and Chandrasekar.N (2008). Resistivity studies to delineate structural features near Abhishekapatti, Tirunelveli, Tamil Nadu, India. Vol.12, No.4, pp.157-163.

Srinivasa Gowd.S (2004). Electrical resistivity surveys to delineate groundwater potential aquifers in Peddavanka watershed, Anantapur District, Andhra Pradesh, India. *Journal of Environmental Geology*. Vol. 46, pp.118–131.

Srinivasa Rao.Y and D.K Jugran, (2003). Delineation of groundwater potential zones and zones of groundwater quality suitable for domestic purposes using remote sensing and GIS. *Hydrological Sciences Journal* , 48 (5) October. Pp.821-823.

Srinivasa vittala.S, S.Govindaiah and H.Honne gowda., (2006). Digital elevation model (DEM) for identification of groundwater prospective zones. *Journal of the Indian Society of Remote Sensing*, Vol. 34, No. 3, pp. 319 – 324.

Srinivasamoorthy.K, Nanthakumar.C, Vasanthavigar.M, Vijayaraghavan.K, Rajivgandhi.R, Chidambaram.S, Anandhan.P, Manivannan.R and Vasudevan.S (2009). Groundwater quality assessment from a hard rock terrain, Salem district of Tamilnadu, India. *Arabian Journal of Geosciences*.

Srinivasan (1988) Use of remote sensing techniques for detail hydrogeomorphological Investigations in part Narmadasagar Command Area, M.P.J. *Indian. Soc. Remote Sensing* 16.(1): 55-62.

- Srinivasarao Yammani (2007). Groundwater quality suitable zones identification application of GIS, Chittoor area, Andhra Pradesh, India. *Environ Geol.* Vol.53, pp.201–210.
- Streltsova, T.D., (1974); Drawdown in Compressible Unconfined Aquifer: *Jour.Hydraul.Div. Amer. Soc. Civil Eng.*, 100 (HY8), pp.1601-1616.
- Subash Chandra, Dewashish Kumar, Shakeel Ahmed, Jerome Perrin and Benoit Dewandel (2008). Contribution of Geophysical Methods in Exploration and Assessment of Groundwater in Hard Rock Aquifers. *Arab Water Forum. 3rd International Conference on Water Resources and Arid Environments.*
- Subba Rao, N. (1992), Factors affecting optimum development of groundwater's in cruytalline terrain of the Eastern Ghats Visakhapatnam Area, Andhra Pradesh, India. *J. Goel Soc. India.* 6(6):670-673.
- Subba Rao.N (2006). Groundwater potential index in a crystalline terrain using remote sensing data. *Environ Geol.* Vol.50, pp. 1067–1076
- Subramani.T, Elango.L and Damodarasamy.S.R (2005). Groundwater quality and its suitability for drinking and agricultural use in Chithar River Basin, Tamil Nadu, India. *Environ Geol.* Vol.47, pp. 1099–1110.
- Sultan Awad Sultan, Fernando A. M. Santos and Ahmad Sobhy Helaly (2009). Integrated geophysical interpretation for the area located at the eastern part of Ismailia Canal, Greater Cairo, Egypt. *Arabian Journal of Geosciences.*
- Summers, W.K., (1972): Specific Capacities of wells in crystalline rocks,*Groundwater*, 10, 6, pp.37-47.

- Surabuddin Mondal.MD, Pandey.A.C and Garg.R.D (2007). Groundwater Prospects Evaluation Based on Hydrogeomorphological Mapping using High Resolution Satellite Images: A Case study in Uttarakhand. J. Indian Soc. Remote Sens. Vol.36, pp.69–76.
- Telford, W.M., Geldart L.P., Sheriff, R.E., and Keys, D.A., (1976): Applied Geophysics, Cambridge University press, p.860.
- Thakur.G.S, and R.S.Raghuwanshi (2008). Perspect and Assessment of Groundwater Resources using Remote Sensing Techniques in and around Choral River Basin, Indore and Khargone Districts, M.P. J. Indian Soc. Remote Sens. 36:217-225, pp. 217 – 225.
- Theis, C.V., (1935) The Relation Between the Lowering of the Piezometric Surface and the Rate and Duration of Discharge of a Well Using Groundwater Storage , Transactions of the American Geophysical Union, Vol.16, pp. 518-524.
- Theis, C.V., (1963): Estimating transmissibility of a water table aquifer from specific capacity of wells (in methods of determining permeability, transmissibility and draw down, Compiled by Ray Bentall)., USGS water supply paper 1536 –I, pp. 332-336.
- Thirugnanasambandam.R. A.Balasubramanian, R.Chellasamy and V.Radhakrishnan, (1993) Integrated approach to the exploration of groundwater along the Tuticorin Coast, India, Env. Management, Geo-water & Engg. Aspects, Balkema, Rotterdam, ISBN 90 5410 0990.

- Thornbury W K (1990). "Principles of Geomorphology", 2 Edition, Wiley Eastern Limited, New Delhi, 594 p.
- Tijani, M.N., (1994): Hydro chemical assessment of groundwater in Moro area, Kwara State, Nigeria, Environmental Geology, 24, 194-202.
- Todd, D.K., (1959): Groundwater Hydrology, John Wiley and sons, Inc. NY, p.336.
- Todd.D.K., (1995), Groundwater Hydrology 2 Edition, John Wiley & Sons, Inc, New York. 525 p.
- Unesco (1980). Aquifer Contamination and Protection Studies and Reports in Hydrology. Project 8.3 of the Int. Hydrological Programme prepared by the Project Working Group of R.E.Jackson, Chairman and General Editor. 440p.
- Varadharaj.N. (1989) Groundwater resources and developmental potential of Chidambaranar district, Tamilnadu, Unpublished CGWB report. Southern region, Hyderabad.23.
- Vingoe, P., (1972): Electrical Resistivity Survey, AMEM-Geophy. Memo. 5/72, P-16.
- Virendra Bahadur Singh and Jayant Nath Tripathi (2009). An investigation of groundwater condition using geoelectrical resistivity method: A case study from some parts of Kaushambi district (U.P.) India. Journal of Spatial Hydrology. Vol.9, No.2, pp.20-28.
- Walton, W.C., (1970): Groundwater resource evaluation, McGraw Hill Book Co.,New York, p.664.

- Walton, W.C., (1979): Comprehensive analysis of water table aquifer test data, Groundwater, 16, pp.311-317.
- Wenner -1916: Methods of measuring the inductance of low resistance standards. Vol. 12, issue 1 of Bulletin of the Bureau of Standards Govt. Print.
- Wilcox, L. V., (1955): Classification and use of irrigation water, US Department of Agriculture, Cire 696, Washington, DC.
- Worthington, P.F., (1977): Influence of matrix conduction upon hydro-geophysicalrelationships in arenaceous aquifers, Water Res. Res. 13, 1, pp.87-92.
- Yakowitz S. (1976). Model Free Statistical Methods for Water Table Prediction. Water Resources Research, Vol.12, No.5. pp 836-844.
- Yusuf.S.N, Joseph.M.V, Alkali.S.C and Kuku.A.Y (2011). Determination of porous zones using vertical electrical sounding data from basement rocks of hussara, askira uba, north-eastern Nigeria. Ozean Journal of Applied Sciences. Vol.4(2), pp.183-189.
- Zhdankus, N.T., (1974): Analysis of shallow hard rock well pumping and recoverytest data, Groundwater, 12, pp.310-317.
- Zhdankus, N.T., (1974): Analysis of shallow hard rock well pumping and recovery test data, Groundwater, 12, pp.310-317
- Zohdy, A.A.R., (1969), The use of Schlumberger and Equatorial soundings in groundwater investigations, near El Paso, Texas, Geophysics, 34, pp.713-728.

Zohdy, A.A.R., Eaton, G.P., and Mabey, D.R., (1964), Application of surface geophysics to groundwater investigations, in Tech, Wat., Res. Inv., USGS, Book 2, CD 1, 116 p.