

Some Publications

Authors	Title of the Paper	Name of Journal, Volume, Year and Page
Shovana Mondal, Shalivahan Srivastava, Gupta, A. K.	Interpretation of resistivity data using 3D Euler deconvolution and Radially Averaged Power Spectrum	J. Earth Syst. Sci., 2020, 129 78 Indian Academy of Sciences https://doi.org/10.1007/s12040-020-1345-9
Saha, Gokul; Rai, S. S.;Shalivahan,	Occurrence of diamond in peninsular India and its relationship with deep Earth seismic properties	Journal of Earth System Science, 128, 2019 DOI:10.1007/s12040-019-1088-7
Singh, Roshan Kumar;Gupta, Ashok K.;Maurya, Ved P.;Singh, S.;Shalivahan,	3D Inversion of Audio Magnetotelluric Data for Sulphide Mineralization over Dhanjori Basin	Journal of the Geological Society of India, 93, 2019, 213-217 DOI:10.1007/s12594-019-1154-4
Singh, Roshan K.;Maurya, Ved P.;Shalivahan, ;Singh, Sahendra	Imaging Regional Geology and Au – Sulphide mineralization over Dhanjori greenstone belt: Implications from 3-D Inversion of Audio Magnetotelluric data and Petrophysical Characterization	Ore Geology Reviews, 06, 2019, 369-386 DOI:10.1016/j.oregeorev.2019.01.027
A Agarwal, A Chandra, S Shalivahan, RK Singh	Grey wolf optimizer: a new strategy to invert geophysical data sets	Geophysical Prospecting, 66, 2018, 1215-1226
Ved P. Maurya, Roshan K. Singh, Shalivahan, Bimalendu B. Bhattacharya	Magnetotelluric exploration of a deposit scale prospecting over a proterozoic volcanics, Eastern India	Journal of Applied Geophysics, 159, 2018, 666-677
S Singh, VP Maurya, RK Singh, S Srivastava, A Tripathi, PK Adhikari	Audio-magnetotelluric investigation of sulfide mineralization in Proterozoic–Archean greenstone belts of Eastern Indian Craton	Journal of Earth System Science, 127, 2018, 34
Pramod Kumar Yadav, P K Adhikari, Shalivahan Srivastava, Ved P Maurya, Anurag Tripathi, Shailendra Singh, Roshan K Singh and Ashish K Bage	Lithologic boundaries from gravity and magnetic anomalies over Proterozoic Dalma volcanics	Journal of Earth System Science, 127, 2018, 17

M Midhun, PR Lekshmy, R Ramesh, Kei Yoshimura, KK Sandeep, Samresh Kumar, Rajiv Sinha, Ashutosh Singh, Shalivahan Srivastava	The effect of monsoon circulation on the stable isotopic composition of rainfall	Journal of Geophysical Research: Atmospheres, 2018, 123, 5205-5221
A. Chandra, A. Agarwal, S. Shalivahan and R.K. Singh	Grey wolf optimisation for inversion of layered earth geophysical datasets	Near Surface Geophysics, 15 2017, 499 - 513
S Jana, M Ojha, K Sain, S Srivastava	An approach to estimate gas hydrate saturation from 3-D heterogeneous resistivity model: A study from Krishna-Godavari basin, Eastern Indian offshore	Marine and Petroleum Geology 79, 99-107
P K Yadav, P K Adhikari, , Shalivahan Srivastava, Ved P Maurya, Shailendra Singh, Anurag Tripathi, Roshan K Singh and Ashish K Bage	Magnetic and Radiometric Signatures over a Proterozoic Massive Sulfide Setting of Northern Fringe of Dalma Volcanics, Eastern India: An implication to metallogeny	Journal of the Geological Society of India, 2017, 89, 705–710
P K Adhikari, P K Yadav, Shalivahan Srivastava, Ved P Maurya, Shailendra Singh, Anurag Tripathi, Roshan K Singh and Ashish K Bage	Near surface high resolution imaging of a metallogenic zone in the northern fringe of Dalma Volcanics in Eastern India Using Electrical resistivity tomography	Exploration Geophysics 48, 2017, 394-400
Gorain, S., Shalivahan, and Thakur, P	Uncertainty in Attribute Based Inversion for quantification of stock tank oil initially in place (STOIP) estimation in Kalol reservoir, Cambay basin, India	The Leading Edge, 2015, Special Volume, Uncertainty Assessment, May 2015
Ved P. Maurya, Shalivahan, B.B. Bhattacharya, P.K. Adhikari, L.K. Das	Preliminary magnetotelluric results across Dalma Volcanics, Eastern India: Inferences on metallogeny	Journal of Applied Geophysics, 115, Pages 171–182
Shalivahan, Bimalendu B. Bhattacharya, N.V. Chalapathi Rao, and V.P. Maurya	Thin lithosphere–asthenosphere boundary beneath Eastern Indian craton	Tectonophysics, 612-613, 2014, 128-133
Shalivahan,, D Datta, B N P Agarwal, and S Mehta	Applications of Ant Colony Optimization in determination of source parameters from total gradient of potential fields	Near Surface Geophysics 1 (1),2014, 1-17
A Revil, M Karaoulis, S Srivastava, S Byrdina	Thermoelectric self-potential and resistivity data localize the burning front of underground coal fires	Geophysics, 78, 2013, B259-B273
Shalivahan, Srivastava, and Agarwal, B. N. P.	Inversion of the amplitude of the analytic signal of the magnetic anomaly by particle swarm optimization technique	Geophysical Journal International, 2010,182,652-662,doi:10.1111/j.1365-246X.2010.04631.x

Rajib K. Sinharay, Shalivahan, and Bimalendu B. Bhattacharya,	Audio magnetotelluric studies to trace the hydrological system of thermal fluid flow of Bakreswar hot spring, Eastern India: A Case History	Geophysics, 75, B187–B195, 10.1190 / 1.3431532
Agarwal, B. N. P., and Srivastava, Shalivahan	A FORTRAN code to implement the finite element method to compute regional and residual anomalies from the gravity data	Computers & Geosciences, 2010, doi: 10.1016/j.cageo.2009.11.002.
Agarwal, B. N. P., and Srivastava, Shalivahan	Analyses of self-potential anomalies by conventional and extended Euler deconvolution techniques	Computers and Geosciences, 35, 2009, 2231-2238, doi:10.1016/j.cageo.2009.03.005.
Srivastava, Shalivahan, and Agarwal, B. N. P.	Interpretation of self-potential anomalies by Enhanced Local Wave number technique	Journal of Applied Geophysics, 2009, 68, 259-268, doi: 10.1016 / j.jappgeo.2008.11.011.
Agarwal, B. N. P., and Srivastava, Shalivahan,	FORTTRAN codes to implement enhanced local wave number technique to determine the depth and location and shape of the causative source using magnetic anomaly	Computers and Geosciences, 2008, 34, 1843-1849, doi: 10.1016 / j.cageo.2007.10.012
Sinharay, Rajib K., Shalivahan and Bhattacharya, Bimalendu B.	Audio Magnetotelluric Studies Over Bakreswar Hot Spring	International Association for Gondwana Research, 2007, Memoir No. 10, 243 – 250.
Bhattacharya B. B., Shalivahan, Jardani, A., and Bera, A.	Three – dimensional probability tomography of self-potential anomalies of graphite and sulphide mineralization in Orissa and Rajasthan, India:	Near Surface Geophysics (EAGE), 2007, 223-230.
Shaw, R. K., and Shalivahan	Particle swarm optimization: A new tool to invert geophysical data	Geophysics: 72, 2007, F75-F83, 10.1190/1.2432481
Shalivahan, Sinharay, Rajib K., and Bhattacharya, Bimalendu B	Remote reference (RR) Magnetotelluric (MT) Impedance Estimation of Wideband data using hybrid algorithm	Journal of Geophysical Research – Solid Earth, 111, 2006, doi:10.1029/2006JB004330
Aparna Bera, Bimalendu B. Bhattacharya and Shalivahan	2D Tomographic Imaging Over Mineralized Zones Using Self-Potential Data	Jl. Of Geological Society of India, 2006, 67, 447-458.
Shalivahan and Bimalendu B. Bhattacharya,	Electrical anisotropy of asthenosphere in a region of window to mantle underneath Eastern Indian Craton	Physics Of The Earth And Planetary Interiors (Elsevier), 2005, 152, 43-61.

