Bibliogrophy

- [1] A Malkoti, A Datta, and SM Hanasoge. H/V amplitude ratio measurement using multicomponent ambient noise cross-correlations and its relationship to Vp/Vs. In *AGU Fall Meeting 2020*, Virtual, 2020.
- [2] Ajay Malkoti. Inversion of well log data for better determination of petrophysical parameters. page 198, Kurukshetra University, Haryana, India, 2014.
- [3] Ajay Malkoti and Nimisha Vedanti. Efficient seismic simulation for a highly attenuating media. Montreal, Canada., 2019.
- [4] Ajay Malkoti, Nimisha Vedanti, Praveen Kunagu, and RK Tiwari. Modeling viscoelastic seismic wave propagation in Deccan flood basalt, western India. In *SEG Technical Program Expanded Abstracts 2015*, pages 3764–3768, New Orleans, USA, 2015. Society of Exploration Geophysicists.
- [5] Ajay Malkoti, Nimisha Vedanti, and R K Tiwari. High fidelity numerical simulation for scaler wave. Banaras Hindu University, Varanasi, India, 2017.
- [6] Ajay Malkoti, Shravan Hanasoge, and R.E. Plessix. Homogenization of 2D acoustic wave equation. *(Geophysics) Under submission*, 2020.
- [7] L. Li, J. Zhou, A. Malkoti, and et. al. A MATLAB solver for the 3D anisotropic wave equation using the finite-difference method. (*Computational Geosciences*) Under submission, 2020.
- [8] Ajay Malkoti, Arjun Datta, and Shravan M Hanasoge. Rayleigh wave H/V amplitude ratio measurement using multicomponent ambient noise cross-correlations, and its relationship to Vp/Vs. *EarthArxiv*, 2020.
- [9] Ajay Malkoti, Nimisha Vedanti, and Amit K. Bhattacharya. Inversion of well log data using improved shale model for determination of petrophysical parameters. *Journal of Indian Geophysical Union*, 21(2):96–104, 2017.
- [10] Ajay Malkoti, Nimisha Vedanti, and R. K. Tiwari. Viscoelastic modeling with a vectorized finite difference operator. *Under submission*, 2020.
- [11] Ajay Malkoti, Nimisha Vedanti, and Ram Krishna Tiwari. An algorithm for fast elastic wave simulation using a vectorized finite difference operator. *Computers & Geosciences*, 116:23–31, 2018.
- [12] Ajay Malkoti, Nimisha Vedanti, and Ram Krishna Tiwari. A highly efficient implicit finite difference scheme for acoustic wave propagation. *Journal of Applied Geophysics*, 161:204–215, 2019.
- [13] Nimisha Vedanti and Ajay Malkoti. Petrophysical characterization of two formations of Deccan flood basalt for improved sub-basalt imaging. Montreal, Canada, 2019.
- [14] Nimisha Vedanti and Ajay Malkoti. Viscoelastic seismic modeling and Q estimation for an attenuating media. *Journal of Indian Geophysical Union*, 23(1):3–9, 2019.
- [15] Nimisha Vedanti, Ajay Malkoti, Satyajit Datta, and OP Pandey. Elastic properties of ambenali and poladpur formations of DVP: New findings, presented at National conference on Paleogene of the Indian Subcontinent. In *National conference on Paleogene of the Indian Subcontinent*, Birbal Sahni Institute for Palaeobotany, Lucknow, India, 2015.
- [16] Rimple Malik Rimple Malik, Ajay Malkoti, Nimisha Vedanti, and VP Dimri. 1-D Full waveform inversion using micro genetic algorithm. Banaras Hindu University, Varanasi, India, 2017.
- [17] Uma Vadapalli, Ajay Malkoti, G Harini, Nimisha Vedanti, and VP Dimri. Fractal theory based acceptance rejection monte carlo algorithm for permeability modelling of sandstone reservoirs. *Under submission*, 2020.
- [18] Nimisha Vedanti*, K.j.p. Lakshmi, Satyajit Dutta, Ajay Malkoti, and O.p. Pandey. Investigation of Petrophysical Properties and Ultrasonic P-and S- Wave attenuation in Deccan Flood Basalts, India. In *SEG Technical Program Expanded Abstracts 2015*, SEG Technical Program Expanded Abstracts, pages 3274–3278, New Orleans, USA, 2015. Society of Exploration Geophysicists.
- [19] Nimisha Vedanti, Ajay Malkoti, O. P. Pandey, and J. P. Shrivastava. Ultrasonic P- and S-Wave Attenuation and Petrophysical Properties of Deccan Flood Basalts, India, as Revealed by Borehole Studies. *Pure and Applied Geophysics*, 175(8):2905–2930, 2018.