

Articles Published

- [1] Uma Vadapalli, Ajay Malkoti, Nimisha Vedanti, VP Dimri, and Harini Guruhappa. Field-scale and site-specific permeability of sandstone reservoirs using a stabilized monte carlo algorithm: A case study. *Geophysics*, 87(6):B337–B350, 2022.
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- [3] Ajay Malkoti, Arjun Datta, and Shravan M Hanasoge. Rayleigh-wave h/v ratio measurement from ambient noise cross-correlations and its sensitivity to vp: a numerical study. *Geophysical Journal International*, 227(1):472–482, 2021.
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- [5] 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.
- [6] 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.
- [7] 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.
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- [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.