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Bio

LINKS

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Publications

PUBLICATIONS

- **Joint Inversion of Geophysical Data for Geologic Carbon Sequestration Monitoring: A Differentiable Physics-Informed Neural Network Model** *Journal of Geophysical Research: Solid Earth*
Liu, M., Vashisth, D., Grana, D., Mukerji, T.
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- **Direct estimation of porosity from seismic data using rock- and wave-physics-informed neural networks** *The Leading Edge*
Vashisth, D., Mukerji, T.
2022; 41 (12)
- **Joint inversion of Rayleigh wave fundamental and higher order mode phase velocity dispersion curves using multi-objective grey wolf optimization** *GEOPHYSICAL PROSPECTING*
Vashisth, D., Shekar, B., Srivastava, S.
2022
- **An M-L scale for Eastern Dharwar Craton and adjoining regions** *JOURNAL OF SEISMOLOGY*
Sharma, A., Vashisth, D., Naresh, B., Suresh, G., Raju, P., Raghavan, R., Srinagesh, D.
2021; 25 (5): 1251-1263
- **Deep learning for joint geophysical inversion of seismic and MT data sets** *SEG/AAPG/SEPM First International Meeting for Applied Geoscience & Energy*
Singh, A. P., Vashisth, D., Srivastava, S.
2021
- **Petrophysical Inversion of seismic dataset using artificial neural networks** *AGU Fall Meeting*
Singh, A. P., Vashisth, D., Vishwakarma, A.
2021
- **A deep learning approach for joint inversion of DC Resistivity and MT data** *82nd EAGE Annual Conference & Exhibition*
Singh, A. P., Vashisth, D., Srivastava, S.
2021
- **Whale Optimization Algorithm: A Robust Strategy to invert geophysical data sets** *AGU Fall Meeting*
Vashisth, D., Routa, A., Mohanty, P. R., Srivastava, S.
2019
- **Random Forest Regressor for Layered Earth data inversion** *AGU Fall Meeting*

Singh, A. P., Vashisth, D., Srivastava, S.
2019

- **Deep learning approach for potential field inversion** *AGU Fall Meeting*

Purohit, V., Vashisth, D., Tripathi, G.
2019

- **Inversion of Rayleigh-Wave Phase and Group Velocity Dispersion Curves for S-Wave Velocity by Grey Wolf Optimization** *81st EAGE Conference and Exhibition*

Vashisth, D., Shekar, B.
2019

- **Inversion of potential field data using whale optimization** *SEG International Exposition and Annual Meeting*

Vashisth, D., Srivastava, S., Agarwal, A.
2018