Duyi Li

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Education

Ph.D. in Geology   University of Missouri - Columbia   2017–2024
- Dissertation: Investigation of Regional Seismic Wave Attenuation and Propagation in the Middle East
- Advisor: Dr. Eric A. Sandvol
- Cumulative GPA: 3.93/4.0

B.S. in Geophysics   University of Science and Technology of China   2012–2016
- Thesis: Microseismic Event Detection and Location Based on Match and Locate Method
- Cumulative GPA: 3.57/4.3

Positions Held

Postdoctoral Fellow   University of Texas at Austin   2024–Present
Graduate Research Assistant   University of Missouri - Columbia   2017–2024
Undergraduate Research Assistant University of Science and Technology of China 2015–2016

Published Journal Articles

2. **Li, D.**, Nandy, S., Holan, S. H., Sandvol, E. A., accepted. Predict Lg Propagation and Blockage in the Middle East Using a Bayesian Lasso Logistic Regression Model. *Bulletin of the Seismological Society of America*, 2024; doi: https://doi.org/10.1785/0120240076.

1. Hui, H., Nandy, S., Holan, S. H., Pan, J., **Li, D.**, and Sandvol, E. A., 2023. A Bayesian Lasso Logistic Regression Model for Predicting the Probability of Regional Seismic Phase Observation Using Sn in the Middle East and East Asia as Examples. *Bulletin of the Seismological Society of America*, 2023; doi: https://doi.org/10.1785/0120220032.

Publications in Review

1. Nandy, S., **Li, D.**, Holan, S. H., Sandvol, E. A., in review. Joint Bayesian Hierarchical Model for Lg Wave Attenuation and Station Site Response in the Middle East. In review, *Geochemistry, Geophysics, Geosystems*.

Research in Progress

3. Li, D., et al., in prep. Seismic Attenuation Structure of Lg and Sn beneath Caucasus by Joint Inversion Model of Q and Site Response

2. Li, D., et al., in prep. Investigation of Lg Wave Attenuation Instability and Regional Variations in the Northern Middle East.

1. Li, D., et al., in prep. Estimating Censored Regional Phase Amplitudes Using Variational Bayes Model.

Conference Presentations

5. 2022 AGU Fall Meeting: Joint Inversion of Lg Q Model and Site Response in the Middle East. AGU2022FM-S32D-0283

4. 2021 AGU Fall Meeting: Predict Lg Blockage in the Middle East. AGU2021FM-S25D-0265

3. 2020 AGU Fall Meeting: Regional Phases Attenuation in Caucasus. AGU2020FM-S047-0019

2. 2019 AGU Fall Meeting: Regional Phases Attenuation in Azerbaijan and Surrounding Regions. AGU2019FM-S41F-0586

1. 2019 SSA Annual Meeting: Towards an Understanding of the Stability of Lg Amplitude.

Teaching Experience

Guest Lecturer, Introduction to Seismology (GEOL 8100), University of Missouri - Columbia	2022

Professional Training and Workshops

Deep Learning Specialization by Stanford	2023
IBM Data Science Professional Certificate	2023
IBM Data Analyst Professional Certificate	2023
Distributed Acoustic Sensing Virtual Workshop and Tutorial, IRIS	2020
MLOC Training Workshop, AFRL	2018

Honors and Awards

Geology Student Scholarship, University of Missouri-Columbia	2020–2023
SMR Boyd Scholarship in Geology, University of Missouri-Columbia	2019
Walter D Keller Scholarship, University of Missouri-Columbia	2018
USTC Scholarship for Outstanding Student	2016, 2015
USTC Zhao Jiuzhang Talent Program in Earth and Space Sciences	2014–2016
Chinese Mathematical Olympiad, Second Prize	2011

Field Experiences

3. April 2019, Geology Survey at St. Francois Mountains.
2. October 2015, Chaohu, China, Educational Field Campaign at the Chaohu Lake area.
1. November 2014, Huangshan, China, Educational Field Campaign at Qiyun Mountain area.

Memberships

American Association of Petroleum Geologists, Member	2019–present
American Geophysical Union, Member	2018–present
Seismological Society of America, Member	2018–present