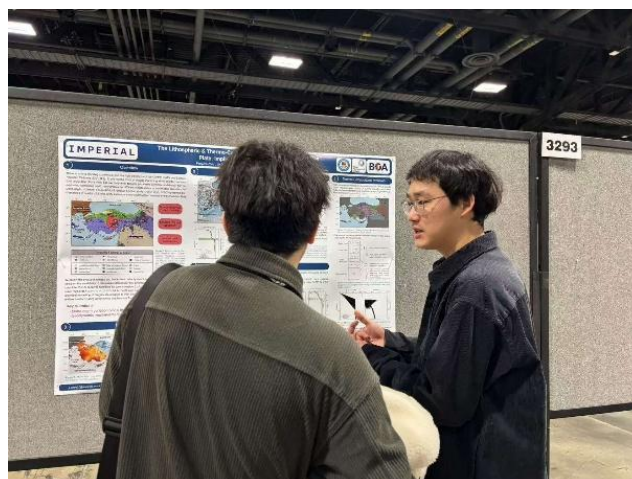


BGA Grant Report — AGU Fall Meeting 2024

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I extend my sincere thanks to the British Geophysical Association for awarding me the 2024 Gray-Milne Travel Bursary, which enabled me to present my work titled '*Lithospheric Seismic and Thermo-compositional Structure of the Anatolian Plate and its Implications for Plateau Uplift*' at the AGU 2024 Fall Meeting. My research focuses on determining Moho depths and seismic lithospheric structure of the Anatolian Plate utilizing the joint inversion of receiver function and surface wave dispersion data. Thermo-compositional structures are also investigated to better understand the origins of low-velocity anomalies observed in the seismic lithospheric structure.

One of the most invaluable aspects of the conference was the opportunity to network with peers and established researchers in the field. YiRan is a PhD student at Brown University whom I met at AGU2024. We are both currently studying lithospheric compositional structure. Although our projects focus on different regions, we found significant overlaps in the methods and fundamental scientific problems we are addressing. We had an in-depth discussion about our research workflow and agreed to support each other's work in the future. Dr. Rengin Gok is a well-established seismologist with extensive research experience on the Anatolian Plate. She provided valuable feedback on the outcome of my study and was willing to provide more comments via email. These interactions not only provided me with fresh insights into my study area but also inspired me to deepen my understanding of the research topic.



Another highlight of the conference was the speeches and posters delivered by experts in the field. At AGU2024, I encountered several compelling studies focused on Anatolia that employed distinct methods. While some findings aligned with my research conclusions, others presented contrasting perspectives. Both types prompted me to think beyond my current work. The face-to-face discussion with experts and peers not only provided fresh insights but also inspired innovative research directions. These invaluable interactions would not have been possible without the opportunity to attend AGU 2024.

AGU2024 was a remarkable experience that enriched my academic journey. These experiences have not only deepened my passion for earth science but also advanced my growth as a researcher. This opportunity would not have been possible without the generous support of the BGA Gray-Milne Travel Bursary, which significantly alleviated my financial burden. I am sincerely grateful for this support.