Dear Education Section member:

Welcome to the August edition of the Education Newsletter. A big thank you to those of you who have submitted education-themed abstracts to the virtual AGU Fall Meeting. In this newsletter, we highlight a range of grants and fellowships for students and early-career scientists. If you know someone who is attending #AGU20 and would appreciate some financial assistance, please feel free to encourage them to apply for these fellowships and grants. Some will cover technology needs such as Wi-Fi, laptops and other technology accessories, whereas other schemes will pay for lost wages, childcare and other needs. Please apply by 25 August.

The third opinion piece in our Perspectives on Earth and Space Science Educational Research (PESSER) builds on these themes. It is entitled “Empowering Students to Act”. In this piece, Professor Lisa Gilbert invites us to reflect on sustainability education and our roles as educators. It explores the relationships between hope, doubt and climate change mobilization in a research article by Jennifer Marlon and colleagues. We hope that you find PESSER a good way to engage with ideas from recently published educational research. Happy reading!

Best wishes,

Vincent Tong (Secretary, AGU Education Section)
Stacie Bender (Executive Committee member, AGU Education Section)
Susan Cheng (Executive Committee member, AGU Education Section)
Alicia Petersen (Early career representative, AGU Education Section)
Shahab Karimifard (Student representative, AGU Education Section)
Tanya Furman (President-elect, AGU Education Section)
Mark Moldwin (President, AGU Education Section)
Education News Items

#AGU20 grants and fellowships for students and early-career scientists: Apply by 25 August

- **Fall Meeting Virtual Student Travel Grant** for students to receive US$1,000, with US$500 for #AGU20-related expenses and US$500 for educational expenses.
- **Berkner Fellowship** is for those 35 or younger from low/low-middle income countries who are attending #AGU20. Berkner winners will receive US$2,500, with US$1,000 to cover Fall Meeting-related expenses and US$1,500 to cover educational expenses.
- **Miller Scholarship** for undergraduate and graduate students in geo-environmental sciences or engineering for US$1,500.
- **Lumley Scholarship** for high school and undergraduate students who are interested in environmental science and energy. Winners will receive US$500 to participate in #AGU20, which includes purchasing/renting technology, transportation, dependent care, lost wages, etc. and US$1,000 college scholarship.

Ideas for Earth and Space Science Education

1. **EPA resources on learning and teaching about the environment**
   The US Environmental Protection Agency offers multi-disciplinary materials and project ideas for learning and teaching about the environment at K-12. Please follow this [link](#) for more info.

2. **Outreach Guide for geoscience professionals**
   The American Geosciences Institute (AGI) and the American Association of Petroleum Geologists’ Youth Educational Activities Committee have published an [online handbook](#) for professional geologists and geophysicists. The online resource is designed to provide ideas for enhancing their outreach activities.

3. **‘Why Earth Science?’: Short video for students**
   The six-minute [short video](#) highlights the importance of the discipline and shows career opportunities in Earth Sciences. The American Geosciences Institute developed the video to illustrate core concepts identified by the US National Science Foundation.