Undergraduate Research and Climate Change

INTRODUCTION
– Lisa Gates 3

PRACTICE
Engaging the Youth Environmental Alliance in Higher Education to Achieve the Sustainable Development Goals
– Sarah Whipple, Shardul Tiwari, Tashiana C. Osborne, Gillian Bowser, Sarah A. Green, Pamela H. Templer, and Susie S. Ho 4

A Model Interdisciplinary Collaboration to Engage and Mentor Underrepresented Minority Students in Lived Arctic and Climate Science Research Experiences
– Arnell Garrett, Frances D. Carter-Johnson, Susan M. Natali, John D. Schade, and Robert Max Holmes 16

VIGNETTES
The Use of Model Intercomparison Projects in Engaging Undergraduates in Climate Change Research
– Robert Nazarian 27

Developing Multiple Literacies and Foundational Research Skills in Students through Audio Narratives on Global Warming Solutions
– Laura Guertin, Annie Jansen, and James Berkey 28

Researching Global Climate Change Challenges to Solve Local Issues with Undergraduate Research and Physical Models
– Tara S. Kulkarni 28

Simulating International Climate Negotiations in Classrooms
– Thomas Hickmann 29

OTHER FEATURE ARTICLE—Undergraduate Research during Times of Disruption
Positioning Humanity before Progress: Students’ and Mentors’ Perceptions of the COVID-19 Impact on Undergraduate Research
– Miloš Savić, Naga Rama Kothapalli, Hayley C. Lanier, Erin K. Freeman, Lisa Ratliff, Emma Hillermann, and Courtney Martin 31

OTHER FEATURE ARTICLE
Undergraduate Research Abroad: Shared Themes in Student Learning from Two Models of Course-Embedded Undergraduate Research in Field Biology Study Abroad Courses
– Jennifer A. Hamel, Hannah M. ter Hofsteede, Adrienne Gauthier, David Lopatto, Prudence Merton, and David Vandermast 39
INTERNATIONAL PERSPECTIVES
Re-evaluating Passive Research Involvement in the Undergraduate Curriculum
– Nicholas Grindle, Stefanie Anyadi, Amanda Cain, Alastair McClelland,
Paul Northrop, Rebecca Payne, and Sara Wingate Gray

DEPARTMENTS
Book Review
A Guide to Course-Based Undergraduate Research:
Developing and Implementing CUREs in the Natural Sciences
– Gita Bangera