



Produced by the Division of Learning and Teaching Support and Innovation at the University of Victoria, *The Arbutus Review* was created to showcase the articles, projects, and installations that result from the Jamie Cassels Undergraduate Research Award (JCURA) program. JCURA was instituted in 2009 as the Undergraduate Research Scholarship program by Jamie Cassels, then Vice-President Academic and Provost and President from 2013–2020. The award program was designed to support and create truly formative research experiences for exceptional undergraduate students. The Division of Learning and Teaching Support and Innovation administers the award nomination process on behalf of the Provost’s Office. In addition to submissions that were the result of JCURA research, *The Arbutus Review* also publishes other exceptional work from students in departments across campus.

We acknowledge and respect the lək̓ʷəŋən peoples on whose traditional territory the university stands, and the Songhees, Esquimalt, and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.

## Letter from the Editor

It is my pleasure to introduce this issue of *The Arbutus Review*, marking 12 years of publication. Including the nine articles in this issue, we have published 113 scholarly articles and creative works by undergraduate authors since our inception in 2010. At the time of writing, authors had cited students’ articles 321 times, with 256 of those citations occurring in the last five years.

Despite the ongoing impacts of the COVID-19 pandemic on our lives and educational institutions, *The Arbutus Review* received an extraordinary number of student submissions this year. The nine exceptional submissions shortlisted to be published in this issue showcase both interesting and timely research from undergraduate students at the University of Victoria.

All of the articles start as third- or fourth-year course writings, honours papers, or Jamie Cassels Undergraduate Research Award (JCURA) projects and are transformed into publishable articles with the mentorship of supportive instructors, our graduate peer reviewers, and editors at *The Arbutus Review*.

I would like to extend my heartfelt gratitude to Shailoo Bedi and Nancy Ami for the opportunity to join *The Arbutus Review* editorial board. Moreover, I would like to offer my thanks to Madeline Walker for her expert mentorship, encouragement, and guidance. Additional words of thanks are dedicated to Kaveh Tagharobi and Gillian Saunders for their kind assistance and encouragement. I feel very blessed to work with Nancy, Madeline, Kaveh, and Gillian. Finally, this issue would not have been possible without the care and expertise of Inba Kehoe and Zahra Premji, the keen editorial skills of our graduate peer reviewers, and the unwavering dedication of our student submitters.

## Acknowledgments

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*Author:* Tristen Lozinski

As well, all submissions were reviewed blind by at least two readers. These readers are graduate students, researchers, instructors, and emeriti from the University of Victoria. We thank them for their very valuable contributions to *The Arbutus Review*.

Brodie Drake  
McKaila Ferguson  
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Arvind Kumar  
Mary MacLeod  
Sohrab Mosahebi  
Esteban Vallejo Toledo /  
'stebən və'dʒehə tə'ledə  
Anika Zuhlke

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**Nancy Ami**, Manager of the Centre for Academic Communication for the Division of Learning and Teaching Support and Innovation at the University of Victoria

**Shailoo Bedi**, Director of the Division of Learning and Teaching Support and Innovation at the University of Victoria

**Inba Kehoe**, Copyright Officer and Scholarly Communication Librarian, who provides guidance to the journal and oversees the Online Journal Systems software that allows us to publish online

**Viviana Pitton**, Director of Curriculum Renewal and Strategic Initiatives for the Division of Learning and Teaching Support and Innovation at the University of Victoria

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**Madeline Walker**, former *Arbutus Review* Editor and typesetter and EAL Specialist for the Centre for Academic Communication at the University of Victoria

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