

Special Issue

Canadian Wind Energy Research

Message from the Guest Editor

Canada faces unique challenges in wind energy development, shaped by its vast regional diversity, harsh climate conditions, complex electricity grids, and the need for stronger community engagement. As offshore wind energy gains momentum in Canada, it is essential to acknowledge the distinct challenges it presents and draw on lessons learned from international experience. To overcome these challenges, researchers must be embedded in real-world operations—learning from the field and contributing their expertise in tandem with operators. This collaborative approach is key to advancing the sector in a meaningful and sustainable way. This Special Issue invites high-quality, current research that addresses Canada's distinct wind energy priorities. We aim to highlight work that supports innovation, improves operations, and strengthens the Canadian wind energy sector through evidence-based insight and collaboration.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Wind is an open access journal dedicated to disseminating rigorously peer-reviewed publications to advance knowledge and technology in wind research-related areas such as wind engineering, wind energy and wind environment. The journal brings new opportunities for actively disseminating fresh, innovative and multidisciplinary wind-related concepts and applications. It covers aspects related but not limited to meteorology; civil, mechanical, aeronautical and electrical engineering; risk analysis and economic, social and environmental impacts.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 25 days after submission; acceptance to publication is undertaken in 9.6 days (median values for papers published in this journal in the second half of 2025).