

Special Issue

Prefabricated Bridge Elements and Connections: Towards Sustainability in Bridge Construction

Message from the Guest Editor

Higher-quality infrastructure components exhibit longer service lives that translate to lower maintenance needs and a lower frequency of replacement, both items that directly contribute to the sustainability of our world's infrastructure. This can be achieved with the use of prefabricated bridge elements (PBE) to facilitate accelerated bridge construction (ABC). In addition, secondary benefits associated with the use of ABC techniques and PBE can result in a lower impact to the traveling public, causing fewer delays and detours, and a lower environmental impact, thus helping transportation agencies to contribute to the sustainability of our built environment. This Special Issue aims at including manuscripts that discuss the use of prefabricated bridge elements and connections with innovative materials and technologies that can increase the service life of bridges, reduce delays to the traveling public, and decrease the environmental impact of bridge construction, promoting sustainability in the field of infrastructure construction.

Guest Editor

Dr. Igor de la Varga
Engineering & Software Consultants, Inc., Chantilly, VA 20151, USA

Deadline for manuscript submissions

closed (30 September 2021)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/58589

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)