



Sustainable and Safe Roundabouts

Guest Editors:

Dr. Rosolino Vaiana

Department of Civil Engineering,
University of Calabria, Arcavacata
Campus, 87036 Rende, Italy

Dr. Vincenzo Galleli

Department of Civil Engineering,
University of Calabria, Arcavacata
Campus, 87036 Rende, Italy

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

Road design, with particular reference to intersections regulated with a roundabout scheme, has undergone a profound conceptual evolution in the last 50 years. Fortunately, this evolution has always been associated with the production of a large number of studies and research useful for decoding and improving the performance, safety, and sustainability of roundabout junctions. Nevertheless, there are still topics worth investigating, such as the safety of vulnerable road users, the potential conflicts in roundabouts when using surrogate safety measures, the use of microsimulation tools to evaluate the improvement in various intersection solutions in terms of performance and safety, and the environmental benefits of new schemes for roundabouts. Therefore, we welcome papers that address, but are not limited to, the following research topics about sustainable and safe roundabouts:

- roundabouts;
- traffic safety;
- sustainable road transport;
- traffic flow modeling;
- roundabout capacity;
- traffic simulation;
- roundabouts design;
- fuel consumption and emissions;
- surrogate safety measures;
- safety of vulnerable road users.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

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.

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)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)