

Special Issue

The Applications of Drones in Logistics

Message from the Guest Editor

The Fourth Industrial Revolution led to significant changes in logistics. Industry 4.0 technologies make it possible to transform conventional supply chain solutions into cyber–physical systems. The application of drones can be characterized into two different fields of logistics. The first field is the in-plant material supply, which includes both warehouse operations and the material supply of production and assembly cells. The second field is the application of cargo drones in the cases of both light and heavy payloads. We invite researchers in the global logistics and supply chain management community to contribute original research papers, as well as review articles and empirical studies, which will stimulate debate in the topic. Potential topics include, but are not limited to, the following:

- Design and optimization of drone-based in-plant supply solutions;
- Application of drones in warehouse logistics;
- Big data in drone-based logistics;
- Energy efficiency and sustainability of drone-based logistics solutions;
- Legal aspects of drones in logistics;
- Security and surveillance in drone-based logistics;
- Standardization potentials in drone logistics.

Guest Editor

Dr. Tamás Bányai

Institute of Logistics, University of Miskolc, 3515 Miskolc-Egyetemváros, Hungary

Deadline for manuscript submissions

closed (31 March 2023)



Drones

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.4



mdpi.com/si/134244

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

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





Drones

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.4



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



About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera

Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

Author Benefits

Open Access:

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

High visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)