



Neural Networks and Data Analytics for Sustainable Development

Guest Editors:

Prof. Dr. David Dominguez

Higher Polytechnic School,
University Autonoma of Madrid,
28049 Madrid, Spain

Prof. Dr. Mario Gonzalez

Intelligent & Interactive Systems
Lab (SI2 Lab), FICA, Universidad
de Las Américas, Quito, Ecuador

Prof. Dr. Sara Cuenda

Dpto. Análisis Económico
Economía Cuantitativa, Facultad
de Ciencias Economicas y
Empresariales, University
Autonoma of Madrid, Madrid
28049, Spain

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

Neural networks (NNs) are biologically inspired computational tools which are able to learn, classify or forecast data. Since an NN is robust against a noisy environment and efficient enough to solve complex nonlinear problems, it has been applied to a broad range of sciences and technologies.

Thus, we expect it to also be suitable for application to achieve an equilibrium between targets of different disciplines, such as sociology, economy or ecology, and to enhance our understanding of this complex sustainability problem from a quantitative viewpoint.

Also, LSTM or deep learning has largely been used recently. Together with other machine learning models, such as the Bayesian Networks or the Genetic Algorithms, these techniques are useful to analyze massive data with complex behavior, the so called Big Data.

The present special issue aims to contribute to the theoretical and empirical improvement of our knowledge of climate change, environmental conservation, waste management, and other tasks of a sustainable world, by using NN.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI