



## Advances in Computational Intelligence and Soft Computing (CISC) Paradigms: Applications for Environment and Health

Guest Editor:

**Prof. Dr. Jason Levy**

Disaster Preparedness and  
Emergency Management,  
University of Hawaii, 2540 Dole  
Street, Honolulu, HI 96822, USA

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### Message from the Guest Editor

Computational intelligence and soft computing (CISC) paradigms encompass a number of nature-inspired computational methodologies that encompass three main systems—artificial neural networks (ANNs), fuzzy sets, and evolutionary algorithms (EA) including genetic algorithms (EA/GAs)—and their hybridizations, such as neuro-fuzzy computing and neo-fuzzy systems. Based on their ability to capture the uncertainty, complexity and stochastic nature of the underlying processes, these systems have produced valuable, timely, robust, high quality and human-competitive results that have contributed to artificial intelligence research breakthroughs ranging from deep learning to genetic programming.

These powerful methodologies can be used to address a wide range of data analysis problems from environmental forecasting to health, industrial, business, financial, scientific, government and social media applications.

In this Special Issue, we invite researchers to contribute high-quality articles and surveys focusing on CISC methods for a wide range of application areas.





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## Editor-in-Chief

**Prof. Dr. Paul R. Ward**

School of Society and Culture,  
Adelaide University, Adelaide  
5001, Australia

## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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Health* Editorial Office  
MDPI, Grosspeteranlage 5  
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