

## Guest Editorial Preface

# Special Issue on Advancements in Artificial Intelligence and Machine Learning Algorithms for Internet of Things, Cloud Computing and Big Data

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The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. The cloud computing enables a user to use a network of remote servers hosted on the Internet to store, manage and process data, rather than a local server and personal computer. Fog computing is an extension of cloud computing to provide an enterprises network. Integration of IoT and fog computing has become a complex task. Nowadays, IoT devices such as wearable medical devices, smart traffic control devices, and various IoT sensors are continuously generated a massive amount of data. This huge amount of data is not possible to process by traditional tools and technologies. Hence, there is a need for scalable machine learning algorithms to process such massive amount of data. This special issue focuses on advancements in artificial intelligence and machine learning algorithms for internet of things, cloud computing and big data.

We would like to convey our sincere thanks to all the researchers for submitting their manuscripts and a special note of thanks to the reviewers, whose efforts have allowed the selection of good quality papers. We are also grateful to the Computing Journal, for allowing us to divulge a selected sample of the ongoing research efforts on recent advancements in machine learning algorithms especially in Internet of Things, Fog Computing and Cloud Computing.

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