Editorial

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Biographical notes: Zheng Xu is currently an Associate Professor in the Shanghai Polytechnic University, China. He is with over 3,600 citations (H-Index 30). He has authored or co-authored more than 200 publications. He is also an associate editor of *Springer ECR Journal*, *Springer DIoT Journal*, and *TSP AutoSoft Journal*. He won the Best Editor Award of 2022 of *Springer Journal Discover Internet of Things*. The paper titled 'Ensemble-based multi-filter feature selection method for DDoS detection in cloud computing' obtained EURASIP Best Paper Awards 2019.

Jemal Abawajy is a Full Professor with the School of Information Technology, Faculty of Science, Engineering, and Built Environment, Deakin University, Australia. He is currently the Director of the Parallel and Distributing Computing Laboratory. He has also served on the editorial-board of numerous international journals and currently serving as an associate editor of the *IEEE Transactions on Cloud Computing*, *International Journal of Big Data Intelligence*, and *International Journal of Parallel, Emergent and Distributed Systems*. He is an author/co-author of five books, more than 270 papers in conferences, book chapters, and journals, such as the *IEEE Transactions on Computers* and the *IEEE Transactions on Fuzzy Systems*.

There is a growing interest in the utilisation of biomass for a range of applications. Coupled with this is the appeal of improving the circular economy and as such, there is a focus on reusing, recycling and upcycling of many materials, including biomass. This has been driven by society in terms of demand for more sustainable energy and products, but also by a paradigm shift in attitudes of the population to reduce their personal carbon footprint.

This special issue is intended to report high-quality research on recent advances toward modelling approaches and applications for biomass reusing and recycling, more specifically to the state-of-the-art approaches, methodologies and systems for the design,

development, deployment and innovative use of those convergence technologies for providing insights into zero carbon demands.

Acknowledgements