Editorial

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Biographical notes: V. Suma has obtained her BE in Information Science and Technology, MS in Software Systems and PhD in Computer Science and Engineering. She has a vast experience of more than 17 years of teaching. She has published more than 183 international publications which include her research articles published in world class international journals such as ACM, ASQ, Crosstalk, IET Software, international journals from Inderscience Publishers, from journals released in MIT, Darmout, USA, etc. Her research results are published in NASA, UNI Trier, Microsoft, CERN, IEEE, ACM portals, Springer, and so on.

Zubair A. Baig received his BS in Computer Engineering from the King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, in 2002, MS in Electrical Engineering from the University of Maryland, College Park, USA, in 2003 and PhD in Computer Science from the Monash University, Melbourne, Vic., Australia, in 2008. He is currently a working as a Senior Lecturer on Cyber Security from the School of Information Technology, Faculty of Science, Engineering and Built Environment, Deakin University, Geelong, Australia. He has authored over 75 journal and conference articles and book chapters, and serves on the editorial boards of the following journals: *IET Wireless Sensor Systems*, and *PSU – A Review Journal*.

Future generation wireless network comprises the next generation of innovative communication systems will be leading towards the trending technology of different generation networks and high quality in network services. The most prominent technologies such as network organisation, modulation, coding, data rates and quality of services provided the ubiquitous services in the next generation of wireless networks. As the recent application increases, wireless networks technologies such as 2G, 3G, 4G, 5G, sensor networks, personal area networks, mesh networks, heterogeneous networks and

optical networks face some challenges and difficulties like interoperability, scalability and reliability to design a network. To address these challenges, projecting an affordable and sustainable network with low cost, low consumption, high capacity and high availability. Today's trending 5G technology, deployment in the wireless networks supports a wide range of applications such as low latency, broadband communication, IoT enhancement and embracing a network society. This special issue on future generation wireless networks focused on the concepts and techniques included, and that involves routing design, media access control, energy efficiency, clustering technology, spectrum allocation, topology construction, mobility management, multimedia communication, adaptive networks, sustainable computing and control architectures. 5G wireless networks provide incredible support in all aspects of wireless communication systems and paving the way for the internet of things, cloud computing, sustainable informatics and cognitive intelligence. This special issue addressed the numerous scopes on wireless networks and the papers contributed high quality theoretically and practical works.