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## Preface

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**Biographical notes:** Vijay Kumar is currently working as an Associate Professor in the Department of Mathematics, Amity Institute of Applied Sciences, Amity University, Noida, India. He edited one book and has published more than 55 research papers in international journals and conferences of high repute. He has reviewed many papers for *Soft Computing* (Springer), *IJRQSE*, *IJORM*, *IJSAEM*, *IJMEMS* and other reputed journals. He has edited special issues of *CMES* (Taylor & Francis) and *RIO journal*. He is an editorial board member of *IJMEMS*. He is a life member of Society for Reliability Engineering, Quality and Operations Management (SREQOM).

Mandeep Mittal started his career in the education industry in 2000 with Amity Group. Currently, he is working as Head and Associate Professor in the Department of Mathematics, Amity Institute of Applied Sciences, Amity University Uttar Pradesh, Noida. He has published more than 70 research articles in the international journals and conferences. He has edited six research books with IGI Global, USA and Springer, Singapore. He is a series editor of *Inventory Optimization*, Springer Singapore. He is a member of the editorial boards of *Journal of Control and Systems Engineering* and *Journal of Advances in Management Sciences and Information Systems*.

Sunil Kumar Khatri is currently working as Director of Campus at Amity University in Tashkent, Uzbekistan. He is Fellow of IETE, Sr. Life Member of CSI, IEEE and IASCSIT. He is Editor of *International Journal of Systems Assurance, Engineering and Management*, Springer. He is in Editorial Board of several journals from USA, Egypt, Hong Kong, Singapore and India. He has 14 edited books, 10 guest-edited special issues of international journals, 16 filed patents and more than 225 papers in journals and proceedings to his credit. His areas of research are artificial intelligence, software reliability and data analytics.

This special issue on ‘Optimisation, Decision Making and Artificial Intelligence’ is the compilation of the shortlisted papers of Amity International Conference on Artificial Intelligence (AICAI’2019) (technically co-sponsored by IEEE UAE Section) held during 4–6 February 2019 at Amity University, Dubai, UAE.

In this issue, we selected papers which have gone through several rounds of review and revision, and represent a cross-section of research in mathematical analysis, application of optimisation, decision making, natural language processing, random forest, machine learning, artificial bee colony algorithm and artificial intelligence that touch upon both technical and managerial issues. Articles of this issue covers various area of importance such as agile implementation, software reliability, resource allocation, inventory modelling, and natural language text using random forest classifier.

The guest editors are grateful to contributors who have made remarkable contributions and present their papers in the AICAI’2019. The guest editors are also grateful to reviewers for their valuable comments and suggestions which helped in improving the quality of the papers. Guest editors are highly thankful to Prof. John Wang, Editor-in-Chief for providing the opportunity to bring out a special issue of *International Journal of Applied Management Science*.

We hope that this special issue makes significant contributions in the field of recent advancement in optimisation and decision making. We acknowledge *International Journal of Applied Management Science* for their kind support and help in bringing out this special issue.