Editorial

Bijaya Ketan Panigrahi

Department of Electrical Engineering,
IIT Delhi,
New Delhi, 110016, India
E-mail: bijayaketan.panigrahi@gmail.com

Biographical notes: Bijaya Ketan Panigrahi is working as an Associate Professor in the Electrical Engineering Department, IIT Delhi, India. Prior to joining IIT Delhi in 2005, he has served as a faculty in Electrical Engineering Department, UCE Burla, Odisha, India from 1992 to 2005. His research interest includes application of soft computing and evolutionary computing techniques to power system planning, operation and control. He was also working in the field of bio-medical signal processing and image processing. He has served as the editorial board member/Associate Editor/Special Issue Guest Editor of different international journals. He is also associated with various international conferences in various capacities. He has published more than 100 research papers in various international and national journals.

Swarm intelligence-based optimisation techniques are becoming popular day by day and have been widely used for optimisation in various domains of science and engineering applications. Looking into the recent trends in energy sector, as the system becomes more and more competitive in nature, swarm intelligence-based optimisation algorithms play a vital role in solving the complex and large scale power system optimisation problem. This special issue of *International Journal of Bio-inspired Computation* (*IJBIC*) focuses on recent advances in swarm intelligence application in power engineering.

The papers submitted to this special issue are reviewed thoroughly by the referred reviewers and I on behalf of the chief editor Prof. Zhihua Cui, extend my sincere thanks to all the authors and the reviewers. The six papers which are included in this issue have been chosen to give a broad coverage to the swarm intelligence-based algorithms and its application in power system.