
Editorial

Indra Rajasingh*, Kalyani Desikan and C. Vijayalakshmi

Mathematics Division,
School of Advanced Sciences,
VIT University,
Chennai, 600-127, India
Email: indrarajasingh@yahoo.com
Email: kalyanidesikan@vit.ac.in
Email: vijayalakshmi.c@vit.ac.in
*Corresponding author

Biographical notes: Indra Rajasingh is a Professor of Mathematics and the Dean of School of Advanced Sciences at VIT Chennai, India. She has over 41 years of experience in teaching and research. Her research interests include graph theory and theoretical computer science. She has supervised 25 PhD students.

Kalyani Desikan is a Professor of Mathematics in the School of Advanced Sciences at VIT Chennai, India. She has over 23 years of experience in teaching and research. Teaching is her passion and she thoroughly enjoys it. She has been a part of the faculty team that was instrumental in introducing mathematics laboratory for undergraduate engineering students of VIT. Her research interests include data mining, clustering, link analysis, automata theory, spectral graph theory and cosmology. She has mentored one PhD student and is currently mentoring four PhD students.

C. Vijayalakshmi is working as an Associate Professor, Mathematics Division, School of Advanced Sciences, VIT Chennai, India. She has 24 years of teaching and two years industrial experience. Her research interests include optimisation techniques, machine learning algorithms, data mining and stochastic models. She has supervised 12 PhD students.

The real world offers many models and paradigms for engineers in the area of computer science and engineering. With the advent of novel *Computational and Mathematical Methods, Scientist and Engineers* working in diversified research fields get the confidence to solve challenging physical problems that they encounter in several disciplines. This publication aims at creating a forum for researchers working on applications of mathematics in computer engineering. It focuses on promoting human interactions that are critical in interdisciplinary research and removing traditional boundaries between scientific disciplines. The primary objective is to highlight a variety of mathematical tools associated with graph theory, numerical analysis, optimal control, ordinary and partial differential equations, probability and statistics, singular perturbations, stability theory and stochastic processes in the investigation of problems

arising in bioinformatics, cheminformatics, fluid mechanics, molecular biology, neuroscience, queuing theory, reactor theory, solid mechanics, statistical mechanics, transport theory, and wave phenomena.