
Editorial

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Biographical notes: V. Vijayan is currently a PhD Supervisor from the Anna University, Chennai. He obtained his BE from the Madurai Kamaraj University in 2004 and ME in Kongu Engineering College, Erode in 2006. In 2015, he completed his PhD from the Anna University, Chennai. His research interests include 3D printing, additive manufacturing, compliant mechanism and topology optimisation. In recent years, he has presided over a number of scientific research projects, published more than 25 papers and obtained more than six patents.

B. Suresh Kumar is an approved Research Supervisor under Anna University, Chennai. He has completed his PhD from the Anna University in 2015. He has great knowledge in mathematical modelling, non-traditional optimisation techniques and machining operations. He has about 20 international publications, six national publications and obtained more than three patents.

S. Dinesh is currently pursuing his PhD in the area of electrical discharge machining at the Anna University, Chennai. He has versatile knowledge in non-traditional machining processes and optimisation of operating conditions. He has published eight research journals in various machining operations involving optimisation techniques. At present, he is working on rapid manufacturing with subtractive machining operation.

A. Godwin Antony obtained his Master's of Engineering in Thermal Engineering and Bachelor's in Mechanical Engineering. He has published several research articles with his profound knowledge in the field of alternate fuels and optimisation techniques. He is currently focused on thermal behaviour of additive manufactured products.

The modern industrial trend is to reduce the cost of components for the survival of the business. A considerable amount of research is being carried out into the various individual elements of an organisation with the goal of aiding the reduction of material wastage. This special issue therefore aims to address the application of various techniques of manufacturing in overcoming the challenges in industries. A reduction in materials and costs can be achieved through the introduction of new materials, a reduction in design complexity and thereby reduction in weight.

This special issue aims at putting together the new achievement and developments in this field. There are ten papers in this special issue on ‘Application of additive and subtractive manufacturing for industrial challenges’.

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