

## About SASTech Journal

**SASTech** is a comprehensive multidisciplinary technical journal with its inception in 2002. It is a double-blind peer-reviewed half-yearly journal published by **Ramaiah University of Applied Sciences, Bengaluru**. The research themes of the journal encompass Engineering, Mathematical and Physical Sciences, and Industrial Design focusing on applied research and product innovation. The Editorial Board of SASTech comprises academicians, researchers and industry professionals from India and abroad. SASTech is an open access journal and publication of accepted papers does not involve any processing or publication fees

## Aim & Scope

The aim of the journal is to provide a platform for students, research scholars, academicians and researchers to publish their innovative research ideas as well as original research findings. The SASTech journal encourages analytical formulations/solutions, simulation, experimental investigations and validation in the areas of Engineering, Mathematical and Physical Sciences, and Industrial Design. SASTech journal encourages publication of research findings from allied fields of Engineering and Science emanating multi-disciplinary research. SASTech journal is committed to fair, fast and transparent review process.

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## Publication

SASTech is published twice in a year: January and August.

## EDITORIAL

Prof. Govind R. Kadambi

Editor-in-Chief, SASTech Journal

### *“Inspiring Innovation, Applied Brilliance and Thinking”*

Innovation is perceived as the key global differentiating factor for individuals, institutions and nations in the 21<sup>st</sup> century. For India, the present decade is the ‘Decade of Innovation’. Innovation culminates in elevating, translating and transforming the inventions to reach and meet the societal needs. In the process, Innovation embraces both Global thinking and Local perspectives. Atal Ranking of Institutions on Innovation Achievements (ARIIA) is an initiative of Ministry of Human Resource Development (MHRD), Govt. of India inspires and imbibes the needed introspection and reorientation to thrive and attain high quality research, innovation and ambience of entrepreneurship both in student and Teacher Fraternity. The parameters considered in ARIIA urge the Institutions to focus their efforts and emphasis on reallocation of budget for awareness, promotion, support for Innovation and Entrepreneurship. ARIIA also encourages the Technology Transfer, IPR and Innovative Institutional Governance. Through ARIIA, the students are actively encouraged to participate in National and International Technical Competitions involving design, development and demonstration of innovative concepts realized into attractive and appealing products relevant to national needs. For RUAS which embraces “Applied Brilliance and Thinking”, ARIIA is yet another national platform to show case its Philosophy through proactive involvement of its Faculty members and students to support “Make in India” and “Atm Nirbhar Bharath”. The Editor-in-Chief gratefully acknowledges the support and services offered by the authors, reviewers, and members of Editorial Board and the colleagues of the Research Division in the publication of the current issue of SASTech Journal.

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