

## EDITORIAL

It is with immense satisfaction that we bring out Volume 20 of the Bi-annual CVR Journal of Science and Technology, due in June 2021. This coincides with the 20<sup>th</sup> anniversary of CVR College of Engineering. We could bring out this Volume also without any delay, despite partial closure of educational institutions due to COVID-19 Pandemic. It is more than one year, that the pandemic hit the humanity and still normalcy is not in sight! Volume 18 of this Journal was brought out in June 2020, when the Pandemic was at its peak. Situation was no better while working for Volume 19 to release in December 2020, though for short period, there was hope of normalcy being restored. The situation was hybrid in nature, now with partial functioning and partial closure of education institutions. It takes almost 6 months to complete the work, related to release of a Volume of the Journal. With Vaccination initiated, we hope that the situation would improve during July-December 2021.

The Pandemic has thrown many challenges to researchers. New methods are being adopted for teaching students at all levels. But the quality of education being imparted is leaving a big question mark. Pandemic is haunting the academic year 2020-21 also. Under these circumstances, bringing out a research journal is really a challenge. Editorial team thanks all the authors, reviewers, contributors, and management for their co-operation in this difficult period. Even with all the constraints, we could bring out Volume 20, in time with 25 research articles.

This Volume covers research articles in the following disciplines:

**CIVIL – 4, CSE – 3, ECE – 4, EEE – 4, EIE – 3, IT – 1, MECH – 4, H & S – 2.**

This Volume has DOI number and e-ISSN number along with print ISSN number on the cover page. Every research article published is given DOI number and they can be accessed on-line. On-line portal is also created for the Journal. This Volume is also brought out in time, with the co-operation of all the authors and editorial team. We are thankful to the Management for supporting this activity, and permitting to publish the journal in color print, using quality printing paper.

In this issue, an interesting article for conversion of body muscle signal to control an external device using Surface Electromyography is published. In tune with the times and challenges posed by COVID-19, the article, “AI Based Predictive Model for Detection of Corona Patient” must make interesting reading. Hope such research works will find practical applications. Another research article, Low Power Fast and Accurate Localization Algorithm in Wireless Sensor Networks is an example of interdisciplinary research work. The articles, “Analytical Study on Moment-Curvature of Normal and High Strength Concrete Beams” and Role of Multiple Liquid Tuned Mass Dampers in Tall Buildings will throw new light in those research areas. Two articles related to Stock markets namely “Analysis of Stock Market Price Prediction of Indian Finance Companies Using Artificial Neural Network Approaches” and “High Net worth Individual Investors: The Influencing Power and Responsibility” must make interesting reading for all.

I am thankful to all the members of the Editorial Board for their help in reviewing and short listing the research papers for inclusion in the current Volume of the journal. I wish to thank **Dr. S. Venkateshwarlu, HOD, EEE** for the effort made in bringing out this Volume. Thanks are due to **HOD, H & S, Dr. G. Bhikshamaiah** and the staff of English Department for reviewing the papers. I am also thankful to **Smt. A. Sreedevi, DTP Operator** in the Office of Dean Research for the preparation of research papers in Camera - Ready form.

For further clarity on waveforms, graphs, circuit diagrams and figures, readers are requested to browse the soft copy of the journal, available on the college website [www.cvr.ac.in](http://www.cvr.ac.in) wherein a link is provided. Authors can also submit their papers through our online open journal system (OJS) [www.ojs.cvr.ac.in](http://www.ojs.cvr.ac.in) or [www.cvr.ac.in/ojs](http://www.cvr.ac.in/ojs)

**Prof. K. Lal Kishore**  
**Editor**