J. Innovation Sciences and Sustainable Technologies, 1(1)(2021), 1 - 2.
https://doie.org/10.0821/JISST.2022450059

EDITORIAL

Welcome to the first issue of the first volume of the Journal for Innovation Sciences and Sustainable Technologies (JISST). This year has been a watershed year for science and technology due to the Covid 19 pandemic all over the globe resulting in a massive loss of human lives. This has resulted in the demand for increasing scientific effort to devise methods for containing the transmission world over. The scientist community has witnessed a sense of dependence on their research findings and are adorned for their relentless efforts in saving many lives. The development of a timely vaccine is also another shot in the arm of this community. Incidentally this journal JISST has taken birth during these critical days.

The problems of modern society are both complex and interdisciplinary. It is important to observe that tools and techniques developed in one context may be applied for a variety of problems in different situations. For example techniques developed for classical problems in physical sciences have been found extremely useful in the study of biological, behavioural and life sciences. This naturally necessitates interdependence among the scientists belonging to various traditional disciplines and thereby promotes interdisciplinary research. When genuine interdisciplinary work does materialize, it can be highly fascinating and beneficial to the society. Modern epistemological expansionism lies in the exploration of the nonlinear phenomena and the developments in modern science and technology haven been attributed to our understanding of this phenomena. The study and analysis of nonlinear systems has rendered unification of a variety of problems in diverse fields. It is in this nonlinear world that infinitesimal inputs may result in macroscopic out puts or vice-versa. It is our strong belief that this type of multidisciplinary work will not only be stimulating but also opens up many more new vistas offering exciting prospects. With further growing aspirations, the modern industry is essentially dependent on quantum technologies - from the secure space communications to the diagnostics of viral infections. The development of quantum technologies instils a new thinking, questioning the independence of the matter state on the consciousness state of the observer.

The existing scientific/technological approaches are inadequate to provide semantic solutions to this type of real world problems. This necessitates the development of synergies of knowledge driven and data driven methodologies in an innovative manner to support short term and long term, generalized and personalized, universal and context specific objectives. The identification, characterization, classification of such gaps, mapping of existing technologies and highlighting the limitations, construction of counter demonstrative illustrations are intermediate challenges to the current researchers/solution providers. These things demand novel, and inclusive platform(s). The motivation for the present endeavour stems from the above observations. It is with this spirit we see the importance of this journal and we appreciate the initiative and encour-

agement of the Foundation for Scientific Research and Technological Innovation in introducing this journal.

It is not any more a mere guess but a reality that in the near future the existing practices would be replaced by more sophisticated processes given by the user community. It is hoped that this journal is intended to stimulate new ideas and foster practical applications from the research and developmental findings.

V. Sree Hari Rao
Editor-in-Chief

Mikhail V. Altaisky
Co-Editor-in-Chief