

EDITORIAL

The developing countries are facing a number of developmental challenges. There is no doubt in the fact that every challenge has a hidden opportunity, and conversion of a particular challenge into opportunity is the real task. Before going into the research and innovation, identification of common challenges and their understanding is the very first step towards development. COMSATS has a clear vision that development led by science and technology is the only way forward for developing countries to make their future prosperous and sustainable. It is very important to understand the avenues of development that have led the now developed world reach where they are now. For that matter, flow of information, knowledge and best practices from the developed countries is essential in order to understand how the developed world has progressed facing the challenges similar to those now being faced by the developing countries.

Science Vision, the scientific journal of COMSATS, is a humble effort to share important scientific information with a view to:

- Developing an understanding among the scientists from the developing world on similar problems with likely scientific solutions;
- Helping the scientists from the North to understand the emphases and struggles of scientific activities of their counterparts from the South.

To achieve this, the journal invites inputs from researchers, scientists and policy makers who know their roles and responsibilities towards the society and community and can make the much needed contributions in this regard. The journal is distributed internationally free of cost to all focal points of member states, the institutions in COMSATS International Network of Science and Technology Centers of Excellence and other scientific organizations. The journal is also distributed to the relevant ministries of Member States of COMSATS and their respective embassies in Pakistan, as well as COMSATS' partner institutions.

The current issue of Science Vision comprises of papers on different topics of great importance to developing countries, including environmental safety, oxidation due to ultrasonic rays, technological innovation, development of enhanced production technologies for additives, industrial applications of natural compounds, sustainable development goals, and carbon dioxide emission and its impacts. It is hoped that the authors' inputs would be of value to scientists and researchers holding this issue of the journal.

COMSATS is continuously making efforts to enhance the quality and usefulness of this journal. For this purpose, we welcome intellectual contributions from scientific communities around the world in general and the COMSATS' community in particular, in the form of high quality articles about science and technology to resolve development and socio-economic issues.

The hard work of COMSATS' team for finalizing this issue of the journal is duly acknowledged and appreciated.

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