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Editorial

The new issue of Journal of Maharaja Sayajirao University of Baroda (Science & Technology, No. 51) is with you now. The first issue of this Journal was published way back in 1951 and had a tradition of publishing research articles from among the teachers and researchers from the University. Interestingly, the University is a pioneer in having its own Journal continuing the tradition of much older universities in the world like Oxford and Cambridge which have their own journals in a variety of subject areas of science. Apart from the Journal, these University Journals have their own press and now are famous as either Oxford University Press & Cambridge University Press. This publishing activity is not limited to these two Universities mentioned but many Universities across the world have their own in-house Journal. In that sense it is notable that The Maharaja Sayajirao University of Baroda follows the traditions of academic publishing. The Journal will strive to project the best practices and developments in the field of Science & Technology that is happening in the University as well as around the world. One important aspect of keeping in touch with the advances in Science and Technology are the Conferences, Seminars and Workshops that are organized on the Campus of the University by faculty members of different departments. Most of these are attended by experts in the theme area of the conference not only from India but also international experts. The Journal will strive to include the highlights of such scientific meetings in these pages for the readers. Conference papers can also be published after following the Journal policy of peer review.

Recently, an International Conference was organized by the Applied Chemistry Department in collaboration with the Indian Membrane Society. This was a two day conference during 21-22 March 2015 with the theme being 'Membrane based Separations'. Inaugurating the conference Dr. R. Chidambaram, Principle Scientific Adviser, Government of India highlighted the importance of the theme of the Conference with special reference to the growing needs of a young India where water is going to be a parameter to judge the development index in the country. With about hundred smart cities in the making, the needs of these cities in terms of drinking water requirement, sewage water-treatment requires advanced technologies that are not only economical viable but also sustainable. The conference was also attended by international experts like Prof. Enrico Drioli, a world leading expert on membrane based separations

and Dr. A. Volkov from the Russian Academy of Sciences. This issue contains an article from Prof. Enrico Drioli on the innovations required in process engineering that use membrane technology.

This issue also contains an interesting article on real-time scheduling, where the authors discuss an algorithm for real-time applications that include not only computer applications but also in marketing analysis. Another article discusses the magnetic properties of copper complexes that have bridges with organic moieties. *Happy reading !*

- Editor

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