



Dr. G D Yadav Receives
Lifetime Achievement
Award

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Technoscape¹⁸ Makes Its
Way Into Springer

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Brilliant Mural Art On
Display At Technoscape¹⁸

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The World Is At
Technoscape¹⁸! Where Are
You?

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PREFACE

Dear Distinguished Delegates and Guests,

The Organizers extend a warm welcome to the delegates and guests of Technoscape¹⁸. The conference is organized by the School of Chemical Engineering, VIT, Vellore. With the theme of the conference being "Sustainable Water Resources – Innovations and Impacts", Technoscape 2018 is the second edition of the international conference being held in succession to the national conference that was held in 2013. Water quality has been constantly degrading as a direct consequence of global and local changes including environmental factors, poor water infrastructure and change in consumption patterns. Scientific knowledge to assess the scarcity of water is essential to develop methodologies for water resource assessment and to improve water management practices. The Organizing Committee identified the problems and invited over hundred specialists from diverse disciplines representing the scientific community including young researchers and industrialists for the conference. The submitted papers provide an overview of the efforts and the good practices that were researched, focusing on water treatment and improvement of water quality. A number of oral presentations have been converted to manuscripts and selected for publication in associated journals.

“Shaping a Brighter Future.”



Vellore Institute of Technology is proud to host the International Conference on Sustainable Water Resources: Innovations and Impact. As the Chief Patron of Technoscape 2018, I warmly welcome the eminent researchers, professors, and students for the three day transformative conference, that will host approximately eight technical sessions and eleven keynote talks.

We are very happy to invite the delegates from India and abroad to our campus and we are sure that you will have a fruitful time.

Founded in 1984 as Vellore Engineering College, the Institute was upgraded as a University in recognition of its academic excellence in 2001. The university has a student strength of 24,000 with more than 1400 faculty members. It has 19 Undergraduate and 34 Postgraduate programmes as well as research programmes including Ph.D. Established in 1994, The Department of Chemical Engineering, VIT University is one of the oldest departments.

Time and again the department has proven its mettle and this conference is a measure of the progress that has been made over the years. This conference will surely serve as a benchmark for future conferences to come and will enable everyone to grow in the best possible manner. It is only when the combined efforts of individualistic minds converge at a point that miracles happen, and Technoscape 2018 is nothing short of one.

I take this opportunity to congratulate the organizing committee of Technoscape 2018 for their efforts and sincere hardwork that has gone into the making the conference possible. I extend my best wishes and am sure that the conference will be a huge success.

Dr. G. Viswanathan

Dr. G. Viswanathan
Chancellor,
Vellore Institute of Technology.

“Benedictions from Japan.”



It is a great honor to welcome you all to Technoscape 2018, hosted by VIT, in association with Yokohama National University (YNU), Japan. VIT and YNU have worked closely together, especially in the field of chemical engineering, focusing on sustainable water resources. With the participation of so many prestigious researchers and scientists, we are most confident that this conference will be a great success.

We sincerely appreciated the generous support afforded to our Japan-India YNU Symposium 2017 on "Emerging Materials & Systems for Green and Life Innovations," during which, 15 guest speakers from India took precious time out of their busy schedules to join our symposium. We are very sure that India will play a role as a leader in the world's development in the 21st century, and with development in the global human resources their many excellent researchers, we regard India as one of our most important partners in global human resources development.

YNU is located in Yokohama, which is an industrial city where the joint activities of the various industries, local governments and universities cooperate together very effectively. Yokohama has signed a Memorandum of Understanding on Economic Cooperation with the Government of Tamil Nadu, where a large number of Japanese companies are operating, and Tamil Nadu has become an important partner of Kanagawa Prefecture, as it is home to several of major Japanese corporations operating globally. I also hope that the strong relationship between India and Japan formed as part of the Chennai-Bangalore Industrial Corridor Project will continue to develop through future research collaboration and student exchange. We expect that this conference will be a solid step forward in knowledge sharing for everyone working for the improvement of water purification and towards developing sustainable water supplies.

Hasebe Yuichi

Hasebe Yuichi
President,
Yokohama National University.

5 INTERNATIONAL JOURNALS
8 TECHNICAL SESSIONS
13 INTERNATIONAL SPEAKERS
23 COUNTRIES

47 ADVISORY BOARD MEMBERS
70+ MANUSCRIPTS
110+ DELEGATES
1 PANEL DISCUSSION

am Technoscape