Editorial

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Biographical notes: S. Saravanan is Professor of Mechanical Engineering at the Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu, India. He completed his Doctorate in IC Engines and his research interests are in the areas of alternative fuels, combustion, heat transfer systems, thermodynamics, and renewable energy sources. He has completed three consultant projects in engine testing and one research project for a value of Rs.18.8 lakhs and Rs 10 lakhs respectively. He has authored 41 papers in international journals and 23 papers in National and International conference proceedings. He has organised two National conferences and one workshop in IC Engine and bio diesel.

Energy is the prime mover for economic growth in any country and it is vital for the sustenance of modern economy. Future economic growth crucially depends on the long-term availability of energy from sources that are affordable and accessible. With awareness on the impact of air pollution and global warming, it has also become necessary that energy should be environmentally friendly. Creating a sustainable (Green) energy and environment path is a vision shared by many in all over the world. Therefore, Green energy is one of the most important requirements for the overall sustainable development.

In view of contemporary progress in Green Energy and Vehicle Technology, a National Conference on 'Evolution of Green Energy and Vehicle Technology' was organised at Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu, India, during 02–03 March, 2015, by the Centre for Engine Research, Department of Automobile Engineering of SVCE. It was supported by M/s. Automotive Test Systems, Pune. M/s. AVL India Pvt. Ltd., Chennai, M/s. Dynalec Controls Pvt. Ltd., Pune and M/s. SMS Autoline Equipments Pvt. Ltd., Chennai. The conference intended to bring the scientists and researchers in the field of energy and automotive technology to create a platform for initiating further developments on the same and also to develop a feasible practical plan in achieving sustainable energy and environment. The bubbling enthusiasm of the participants and the efforts of the organising committee made this conference a great success.

The special issue on 'Evolution of Green Energy and Vehicle Technology' in *Progress in Industrial Ecology – An International Journal* is an outcome from the National Conference on 'Evolution of Green Energy and Vehicle Technology'.

The papers of this issue focused on various aspects of renewable energy, biomass gasification, thermal energy storage and technologies and materials for automotive applications. As the conference encountered unique and exceptional papers discussing various aspects of Green Energy, it was a challenging task for the guest editor to select the best among them which are included in this special issue. I would like to use this opportunity to thank Professor Dr. Walter Leal, the Editor of *Progress in Industrial Ecology – An International Journal*, for his continuous encouragement and support in bringing this special issue. I would like to extend my utmost gratitude to the reviewers and the authors for their effort in making this issue as an authentic future reference material.

I hope readers will enjoy with the issue.