



# ISESCO Science and Technology Vision



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## Foreword

I am delighted to present to our esteemed readership 12 refereed articles in this issue of ISESCO Science and Technology Vision, ISESCO's International Journal. The main themes of this issue are electricity distribution and renewable energy management. The content deals with a range of topics and studies concerning supergrid projects, electricity, solar power technology, wind energy generation, crops drying, air heaters, solar cooking, geothermal energy and fundamental heat transfer. The papers are contributed

by authors from Africa, Middle East, South East Asia and Europe.

This Journal, published on a biannual basis, is actually gaining strength. Our aim is to make it a four-monthly publication, starting from 2012. The Journal accepts original papers in all disciplines of sciences and technology, which bring in further knowledge in such fields, whether in the form of on-going projects or new concepts which can be developed.

We look forward to receiving your original contributions which we will publish within 5 months from their date of receipt, should they be accepted.

This Journal, wishing to encourage papers in the major areas of research and development aims:

- 1- To encourage people endeavouring for a cleaner environment, a better socio-economic contribution and a wider use of electricity in countries that still lack widespread grid connection, through generation, distribution and transportation;
- 2- To serve as an excellent media for the ICPSR in publicizing achievements in line with international trends in areas of renewable energy: biomass and biofuels technology, photovoltaic research, development and application; solar thermal applications, wind energy, resources and technology, hydrogen production and fuel cells technology, low energy architecture and the use of indigenous building materials, all forms of energy policy and management; radiation measurement, meteorological data and new materials technology, and poverty reduction through the provision of energy and water;
- 3- To review and publish articles addressing such issues as climate change, global warming and the use of renewable energy, as well as research work dealing with population growth and means of raising public awareness about cleaner and healthier climate, and air pollution reduction; and,
- 4- To encourage articles on water requirements, clean water production, supply and safety, and since water is a major topic within the Journal, it is essential that knowledge and discussion of the various issues related to the purification, transport and sustainability of supply be presented to a wider audience after review.

This Journal will focus on sharing and fostering communication between scientists and technologists from ISESCO Member States, crossing boundaries of space and time to achieve sustainable development as well as knowledge economy requirements.

**Dr. Hadi Azizzadeh**

*Editor-in-chief*