
Preface

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Biographical notes: Chafic-Touma Salame obtained his PhD in Physics from Perpignan University in 2000 and the Health Physics Diploma from the Delft University of Technology, Netherlands in 2001. Since 2008, he is a Professor at the Lebanese University and managing a research team in the renewable energy and sustainable development. He is Founder and President for the Conferences Series of Technologies and Materials for Renewable Energy, Environment and Sustainability TMREES. He is Founder and Editor-in-Chief for the *Journal of Electron Devices*, Guest Editor with Elsevier publisher (IJHE and EGYPRO) and with the American Institute of Physics for the AIP Scitation.

Michel Aillerie obtained a PhD in 1991 and the Habilitation to lead Researches in 2001 at the University Paul Verlaine of Metz, currently University of Lorraine. He is Professor since 2005 and makes his research at the Laboratory Matériaux Optiques et Photonique, LMOPS, join Laboratory of the University of Lorraine and Centrale Supélec in Metz. He is the leader of the “Materials and Systems team” and of the “Electrical Systems for Renewable Energies team” of the LMOPS. He collaborates in several national, European and international research projects.

“TMREES Conference Series” aims to promote sustainable, healthy and diverse ecosystems; encourage and support the sustainability and development of security systems through green-based and clean resources, bringing together participants from international organisations, universities, industry and administrations to exchange innovative ideas, explore enabling technologies, share experiences in sustainability issues and to open a new window on the circumstances of the classical energy sources and their harmful impact on society.

The general philosophy of the *TMREES16-Fall Meeting*, held in Cnam-Paris, France, was to bring together different disciplines of the global research community, in order to discuss, present and network the latest developments and innovations in sustainability; as well as funding opportunities.

This special issue on “*Technologies for the Progress of Environment and Sustainability*”, is a selection of expanded papers from the following topics explored during the conference:

- management and sustainability: energy resources and environmental quality
- energy engineering for storage-saving-management technologies, energy transmission and distribution, production and efficiency electricity networks of the future, power and energy generation hybrid and integrated energy system, power systems and automation, energy policy, planning and management laws
- industrial waste treatment, air pollution control and equipment, pollution prevention in industry, water pollution and treatment
- environmental technologies, climate change, emissions and global warming, contribution of technology to sustainability, sustainable built environment, ecotoxicity
- sustainable development and planning, natural resources management, soil contamination and recovery, landscape development and management, green economy, future markets, business opportunities.