



International Journal of Aviation Science and Technology



Editorial

Dear Authors,

Aviation is a dynamic and globally developing industry and the problems because of the dizzying speed of the development on aviation technologies and effects ask methodological approaches to the problems. Scientific literature is a base for sustainable development that inspires us to name the journal as “International Journal of Sustainable Aviation Science and Technology” which shortened as IJAST.

As an International Sustainable Aviation and Energy Research Society, (SARES), We are, all aware about the importance of the industrial problems of Aviation, and we are ready to support literature by collecting the information parts of this giant jigsaw. SARES Society and its focused professionals and academicians who are researching on aviation and energy subjects gathered to publish IJAST Journal. Editorial committee has taken a decision to publish the IJAST Journal twice annually as a starter. Journal will focus on below topics.

- Sustainable Aerospace Vehicles
 - Sustainable aircraft, helicopter, missile, launch and satellites design, technological change and innovation, research and development
 - Mathematical modeling, numerical/experimental methods, optimization
 - Green airlines
 - Green airports
 - Green engine
 - Green Aviation Vehicles
 - Electric Planes
 - More Electric Planes
 - All Electric Aircraft
- Renewable Energy Sources
 - Alternative/green aviation fuels
 - Energy recovery systems, alternative/renewable/clean energy technologies
 - Life cycle design and life cycle assessment; cost efficiency; waste/recycling
 - Emission/noise/radiation, global warming/climate change: Environmental effects and measurement techniques
 - Mathematical modeling, numerical/experimental methods, optimization
- Air Conditioning and Cooling Applications in Aircraft
 - Air conditioning and optimization in airports
 - Alternative refrigerant applications
- Energy, Exergy, Performance Analysis, Flight Mechanics and Computational Fluid Dynamics
 - Energy analysis
 - Exergy analysis
 - Performance analysis
 - Flight mechanics
 - Computational fluid dynamics

- Motor Drive Technologies for Aviation Vehicles
- Combustion Technologies
 - Combustion and optimization
 - Combustion instabilities
 - Innovative combustion technologies
- Mathematical Modeling, Numerical/Experimental Methods, Optimization
- Avionics and Auto Control
 - Avionics
 - Automatic control
- Spacecraft Materials, Measurement Techniques and Sensors
- Design, Management, Planning, Development
- Space Vehicle Strategic Planning,
- Aviation Management, Fleet Planning/Scheduling; Air Traffic Management, Future Air Transport
- Airport Design, Management, Planning, Development
- Aircraft Maintenance, Repair and Overhaul; Airworthiness, Reliability/Safety

IJAST journal will join the prominent international databases and indexes to act as a lead role on scientific aviation sustainable technologies. IJAST will stay as free and “Open Access” journal and mark the publications by DOI numbers as prominent journals internationally.

I would like to thank you all who have a contribution to publish this very first issue, Managerial Board of the SARES Society, Editorial Board of the IJAST Journal, Co-Editors, reviewers and authors, who have supported us to build this valuable issue.

Regards.

Prof. Dr. T. Hikmet Karakoç
Editor