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Titolo	Sustainable Aviation / / edited by T. Hikmet Karakoc, C. Ozgur Colpan, Onder Altuntas, Yasin Sohret
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ISBN	3-030-14195-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (159 pages)
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Soggetti	Transportation Renewable energy resources Aerospace engineering Astronautics Renewable and Green Energy Aerospace Technology and Astronautics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Fundamentals of Sustainability -- Chapter 2. Energy Management -- Chapter 3. Risk methodology to assess and control aircraft noise impact in vicinity -- Chapter 4. Biodiversity Management -- Chapter 5. A Holistic View of Sustainable Aviation -- Chapter 6. A Short Brief on the Aircraft History and Anatomy -- Chapter 7. Technology Review of Sustainable Aircraft Design.
Sommario/riassunto	This book provides readers with a basic understanding of the concepts and methodologies of sustainable aviation. The book is divided into three sections : basic principles the airport side, and the aircraft side. In-depth chapters discuss the key elements of sustainable aviation and provide complete coverage of essential topics including airport, energy, and noise management along with novel technologies, standards and a review of the current literature on green airports, sustainable aircraft design, biodiversity management, and alternative fuels. Engineers, researchers and students will find the fundamental approach useful and will benefit from the many engineering examples and solutions

provided. Emphasizes sustainable aviation methodologies Discusses the environmental impact of the aviation industry Describes the importance of sustainable aviation education.
