



# Advances in sustainable aviation /

Karakoç, T. Hikmet (

1959-),

editor,

author

Colpan, Can Ozgur.,

editor

öhret, Yasin.,

editor,

author

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Monografía

This book provides different engineering, management, economic solutions, and methodologies regarding sustainable aviation, giving readers a great sense of how sustainable aviation works at the "systems" level. The aviation industry is one of the fastest growing in the world and can make a positive contribution to sustainability. This book presents environmental policies and their application to the aviation industry and evaluates solutions provided to address pollution. Chapters discuss novel technologies that the aviation industry can apply to reduce its environmental impact and become more energy efficient

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**Contenido:** Part I.) Advances in fuel and combustion ;. -- Environmentally clean reformulated aviation gasoline Olesia Kondakova and Sergii Boichenko. -- Ignition performances of alternative fuels under altitude conditions according to their aromatic content Renaud Lecourt. -- Review of renewable biofuels in the aviation sector Derya Unlu and Nilufer Durmaz Hilmiglu. -- Case study of alternative jet fuel production with bio-additives from plant oils in Ukraine and Poland Anna Yakovlieva, Sergii Boichenko, Oksana Vovk, Kazimierz Lejda, and Oleksandr

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**Autores:** Karakoç, T. Hikmet ( 1959-), editor, author Colpan, Can Ozgur., editor öhret, Yasin., editor, author

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- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es