

Asst. Prof. GÖRKEM YALIN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Eskişehir Technical University, Institute Of Graduate Programs, Turkey 2015 - 2019

Postgraduate, Anadolu University, Institute Of Science, Turkey 2013 - 2015

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2007 - 2012

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Training, TYPE TRAINING, CAT. B1, AIRBUS A318/A319/A320/A321 (IAE V2500) THEORETICAL AND PRACTICAL ELEMENTS, TURKISH AIRLINES TECHNIC INC., 2022

Vocational Training, AVIATION LEGISLATION TRAINING (INITIAL, COMPATIBLE WITH MODULE 10), TURKISH AIRLINES TECHNIC INC., 2022

Vocational Training, LOW VISIBILITY OPERATIONS TRAINING (INITIAL), TURKISH AIRLINES TECHNIC INC., 2022

Vocational Training, FUEL TANK SAFETY PHASE 2 TRAINING (INITIAL), TURKISH AIRLINES TECHNIC INC., 2022

Vocational Training, SHY-M/EASA PART-M TRAINING (INITIAL), TURKISH AIRLINES TECHNIC INC., 2022

Vocational Training, SHY-145/EASA PART-145 TRAINING (INITIAL), TURKISH AIRLINES TECHNIC INC., 2022

Vocational Training, HUMAN FACTOR FOR TRAINING MAINTENANCE STAFF (INITIAL, COMPATIBLE WITH MODULE 9), TURKISH AIRLINES TECHNIC INC., 2022

Vocational Training, SAFETY MANAGEMENT SYSTEM TRAINING (INITIAL), TURKISH AIRLINES TECHNIC INC., 2022

Dissertations

Doctorate, PEM yakıt hücresi-lityum polimer batarya hibrit sistemiyle tahrikli mini-İHA üretimi ve enerji yönetim sisteminin modellenmesi, Eskişehir Technical University, Institute Of Graduate Programs, 2019

Postgraduate, İnsansız hava aracı için polimer elektrolit membran yakıt hücresi yığını geliştirilmesi, Anadolu University, Institute Of Science, 2015

Research Areas

Academic and Administrative Experience

Deputy Director of Junior College, Erzincan Binali Yıldırım University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Uçak Bakım ve Onarım Bölümü, 2021 - 2024

Courses

Topluma Hizmet Uygulamaları, Undergraduate, 2021 - 2022
Uçuş Teorisi ve Temel Uçak Bilgisi, Undergraduate, 2021 - 2022, 2020 - 2021
Havaaracı Bakım Yönetimi, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Digital twin for Electronic Centralized Aircraft Monitoring by machine learning algorithms**
Kılıç U., Yalın G., Çam Ö.
Energy, vol.283, 2023 (SCI-Expanded)
- II. **Architecture design and performance analysis of a hybrid hydrogen fuel cell system for unmanned aerial vehicle**
Ozbek E., YALIN G., KARAOĞLAN M. U., Ekici S., ÇOLPAN C. Ö., Karakoc T. H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.30, pp.16453-16464, 2021 (SCI-Expanded)
- III. **Evaluation of design methodology, limitations, and iterations of a hydrogen fuelled hybrid fuel cell mini UAV**
Ozbek E., YALIN G., Ekici S., Karakoc T. H.
ENERGY, vol.213, 2020 (SCI-Expanded)
- IV. **Calculation of HC, CO and NO_x from civil aviation in Turkey in 2012**
Ekici S., Yalın G., Altuntas O., Karakoc T.
International Journal of Environment and Pollution, vol.53, no.3-4, pp.232-244, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Comparison of Auxiliary Power Unit APU and Ground Power Unit GPU with Life Cycle Analysis in Ground Operations A Case Study for Domestic Flight in Turkey**
ALTUNTAŞ Ö., EKİCİ S., YALIN G., KARAKOÇ T. H.
Applied Mechanics and Materials, vol.629, pp.219-224, 2014 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **PERFORMANCE ANALYSIS OF A HYDROGEN FUEL CELL HYBRID SYSTEM FOR UNMANNED AERIALVEHICLE**
YALIN G., ÖZBEK E., AKYALÇIN L., ÇOLPAN C. Ö., KARAKOÇ T. H.
World Energy Strategies Congress and Exhibition, 26 - 28 August 2019
- II. **ASSESSMENT OF THERMOPLASTICS IN ADDITIVE MANUFACTURING FOR AIRCRAFT INTERIOR**
AYAR M., YALIN G., GÜLEREN K. M., KARAKOÇ T. H.
International Symposium on Aircraft Technology, MRO Operations 2018, İstanbul, Turkey, 25 - 28 November 2018
- III. **EXAMINING ADDITIVE MANUFACTURING PROCESSES FROM MRO PERSPECTIVE**

AYAR M., YALIN G., GÜLEREN K. M., KARAKOÇ T. H.

International Symposium on Aircraft Technology, MRO Operations 2018, İstanbul, Turkey, 25 - 28 November 2018

IV. ANALYSIS OF A FLIGHT TRAINING ORGANISATION'S AIRPORT NOISE AREA

AYAR M., YALIN G., GÜLEREN K. M., KARAKOÇ T. H.

International Symposium on Sustainable Aviation 2018, ROMA, Italy, 9 - 11 July 2018

V. COMPARISON OF SOFC GT AND TRADITIONAL APU WITH LIFE CYCLE ASSESSMENT ANALYSIS DURING GROUND OPERATIONS FOR DOMESTIC FLIGHTS IN TURKEY

EKİCİ S., YALIN G., AKYÜZ M. K., ALTUNTAŞ Ö., KARAKOÇ T. H.

International Symposium on Sustainable Aviation, 29 May - 01 June 2015

VI. PEM Fuel Cell Design and Manufacturing for Unmanned Aerial Vehicle

YALIN G., AKYALÇIN L., KARAKOÇ T. H.

6th International Conference on Fundamentals and Development Fuel Cell, 3 - 05 February 2015

VII. THE LIFE CYCLE ASSESSMENT OF A PILOT'S TRAINING PROCESS

YALIN G., EKİCİ S., ALTUNTAŞ Ö., KARAKOÇ T. H.

IGEC-8 - 8th International Green Energy Conference, Kyiv, Ukraine, 17 - 19 June 2013, pp.320-325

Metrics

Publication: 12

Citation (WoS): 2

Citation (Scopus): 52

H-Index (WoS): 1

H-Index (Scopus): 3