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Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Pressure Vessels and Piping, Conventional Energy Systems and Their Technology, Fluid Machinery, Renewable Energy Systems, Nuclear Energy, Alternative Energy Resources, Energy storage technologies, Solar energy, Hydrogen Technologies and Fuel Cells , Advanced Energy Technologies, Geothermal energy, Wind power, Thermodynamics, Heat and Mass Transfer, Fuels and Combustion, Heating, Refrigerating and Air Conditioning, Internal Combustion Engines, Computational fluid dynamics, Thermal Systems, Thermal machines, Aeronautical and Space Engineering

Articles Published in Other Journals

I. **Effects of Different Nose Cone Designs on Trajectory and Impact Angle of Smart Fire Extinguishing Ammunition**
TOPTAŞ M., YILMAZ M.
NATURENGS MTU Journal of Engineering and Natural Sciences Malatya Turgut Ozal University, vol.2, no.2, pp.1-15, 2021 (Peer-Reviewed Journal)

II. **Yangın Söndürme İçin Alternatif Bir Tasarım: Akıllı Yangın Söndürme Bombası**
Toptaş M., Yılmaz M.
Mühendis ve Makina, vol.62, no.705, pp.806-829, 2021 (Peer-Reviewed Journal)

III. **Akıllı Yangın Söndürme Mühimmatının Sayısal Analizi**
TOPTAŞ M., YILMAZ M.
Journal of Aviation, vol.5, no.1, pp.22-35, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **DESIGN OF SMART FIRE EXTINGUISHING AMMUNITION**

Toptaş M., Yılmaz M.
TOKYO SUMMIT-IV 4th International Conference on Innovative Studies of Contemporary Sciences, Tokyo, Japan, 29 June 2021, pp.428-435

II. **Design and Prototyping of Air-to-Ground Smart Fire Extinguisher Ammunition**
TOPTAŞ M., YILMAZ M.
5th International Anatolian Energy Symposium, Trabzon, Turkey, 24 March 2021, pp.337-345

Patent

Toptaş M., YAŞ KAYISI MEYVESİNDEN ROKET ve FÜZE YAKITI İMALİ, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Recourse Number: 2021/019883 , Standard Registration, 2021
Toptaş M., Yılmaz M., FIRE EXTINGUISHING BOMB AND FIRE EXTINGUISHING BOMB APPLICATION METHOD, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2019/15809 , Standard Registration, 2019

Scientific Refereeing

Project Supported by Other Private Institutions, Türkiye Teknoloji Takımı Vakfı, Turkey, December 2022
Journal of Aviation Technology and Engineering, Other Indexed Journal, September 2022

Metrics

Publication: 5

Invited Talks

TÜBİTAK 2242 ARAŞTIRMA PROJELERİ YARIŞMASI TANITIM PROGRAMI, Seminar, İnönü Üniversitesi, Turkey, May 2020

Awards

Toptaş M., Yılmaz M., 2023 AKADEMİK ÖDÜLLERİ, İnönü Üniversitesi, January 2023
Toptaş M., Configurable Test Section Design for Transonic Wind Tunnel, Nasa (National Aeronautics And Space Administration), August 2022
Toptaş M., Akbulut Y., Production of Missile and Rocket Fuel from Fresh Apricot Fruit, Anadolu Üniversiteler Birliği 1. Ar-Ge Proje Pazarı, May 2022
Toptaş M., Yılmaz M., Hava Araçlarından Atılabilen Akıllı Yangın Söndürme Mühimmatı Tasarımı, Tübitak 2242 Üniversite Öğrencileri Araştırma Proje Yarışmaları, September 2019
Toptaş M., Elektrik Enerjisini Mekanik Olarak Depolayan Sistem Projesi, Tübitak 2242 Üniversite Öğrencileri Araştırma Projeleri Yarışması, September 2018