

## Prof. Dr. KANDASAMY JAYARAMAN

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: E-2913-2016

ScopusID: 57208427969

### Araştırma Alanları

Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2020 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Hydrogen production using aluminum-water splitting: A combined experimental and theoretical approach**  
Kandasamy J., Mutlu R. N., Eroğlu E., KARACA M., TOFFOLÌ H., GÖKALP İ.  
International Journal of Hydrogen Energy, cilt.52, ss.202-211, 2024 (SCI-Expanded)
- II. **Steady and unsteady flow characteristics of dual cavity in strut injection scramjet combustor**  
Rajesh A., Jeyakumar S., Jayaraman K., Karaca M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.48, sa.72, ss.28174-28186, 2023 (SCI-Expanded)
- III. **The implications of dual cavity location in a strut-mounted scramjet combustor**  
Rajesh A., Jeyakumar S., JAYARAMAN K., KARACA M., Athithan A. A.  
International Communications in Heat and Mass Transfer, cilt.145, 2023 (SCI-Expanded)
- IV. **CFD investigation of shock boundary layer interaction in hypersonic flow and flow control using micro ramps**  
Gupta G., Kumar A. A., Sivakumar R., Kandasamy J.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, cilt.94, sa.6, ss.862-870, 2022 (SCI-Expanded)
- V. **Effect of hydrogen jets in supersonic mixing using strut injection schemes**  
Jeyakumar S., Kandasamy J., KARACA M., Karthik K., Sivakumar R.  
International Journal of Hydrogen Energy, cilt.46, sa.44, ss.23013-23025, 2021 (SCI-Expanded)
- VI. **Combustion Characteristics of Nanoaluminium-Based Composite Solid Propellants: An Overview**  
JAYARAMAN K., Sivakumar P. M., Zarrabi A., Sivakumar R., Jeyakumar S.  
JOURNAL OF CHEMISTRY, cilt.2021, 2021 (SCI-Expanded)
- VII. **Acoustic pressure oscillation effects on mean burning rates of plateau propellants**  
Kathiravan B., Senthilkumar C., Rajak R., Jayaraman K.  
COMBUSTION AND FLAME, cilt.226, ss.69-86, 2021 (SCI-Expanded)

- VIII. **Numerical investigations on the hydrogen jet pressure variations in a strut based scramjet combustor**  
Suppandipillai J., Kandasamy J., Sivakumar R., KARACA M., Karthik K.  
Aircraft Engineering and Aerospace Technology, cilt.93, sa.4, ss.566-578, 2021 (SCI-Expanded)
- IX. **Combustion mechanism and model free kinetics of different origin coal samples: Thermal analysis approach**  
Jayaraman K., KÖK M. V., Gokalp I.  
ENERGY, cilt.204, 2020 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Numerical Investigation on the Inflow Mach Number Variations in a Strut Injected Cavity Based Scramjet Combustors**  
Rajesh A., Jeyakumar S., JAYARAMAN K., KARACA M.  
International Journal of Fluid Mechanics Research, cilt.51, sa.6, 2024 (ESCI)
- II. **EFFECT OF CATALYZER ON PRIMARY COMBUSTION AND MECHANICAL PROPERTIES OF HIGHLY METALIZED FUEL-RICH PROPELLANTS**  
Ramakrishnan M., Chakravarthy S. R., Kandasamy J., Sarathi R.  
International Journal of Energetic Materials and Chemical Propulsion, cilt.22, sa.1, ss.57-75, 2023 (ESCI)

### **Metrikler**

Yayın: 12

Atıf (WoS): 66

Atıf (Scopus): 94

H-İndeks (WoS): 3

H-İndeks (Scopus): 3