

# KumareshSelvakumar

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<https://kummi0402.github.io>

## PUBLICATIONS

*Studies on Ignition Delay and Flame Spread in High-performance Solid Rocket Motors*, Aswin.C, Srichand Vishnu.S, Aravind Kumar.D, Deepthi.S, Kumaresh.S.K, Arun.M, and Sanal Kumar V.R, Applied Mechanics and Materials, 232:316-321, 2012.

*Numerical Evaluation of the Flow and Emission Characteristics in a Can Combustor with Excess-Air Ratios*, Kumaresh Selvakumar, Man Young Kim and Gyo Woo Lee, Advanced Science and Technology Letters, 90:39-43, 2015.

*A numerical study on the fluid flow and thermal characteristics inside the scrubber with water injection*, Kumaresh Selvakumar and Man Young Kim, Journal of Mechanical Science and Technology, 30(2):915-923, 2016.

*Analysis of catalytic combustion in a tubular reactor with methane-air premixtures over the platinum catalyst*, Kumaresh Selvakumar and Man Young Kim, Journal of Mechanical Science and Technology, 31(7):3603-3610, 2017.

## ACHIEVEMENTS

Scholarship for Academic Excellence, MAHATHMA GANDHI SCHOLARSHIP was awarded in the year 2011 and 2012

Awarded for Essay competition about, Global Warming and the Planet Earth

Took part in National Cadet Corps (NCC) and secured 'B' certificate

## SKILLS

**Expertise Area:** Aerodynamics, Propulsion, Computational Fluid Dynamics

**Software known:** Fluent, Gambit, AUTOCAD, CATIA, OpenFOAM

**Technical Electives:** Heat Transfer, Combustion techniques