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 Designation : Assistant Professor (S.G)
 Degree (highest degree with year of graduation) : M.E (Aeronautical Eng.)
 Experience : 8.7 years

Specialization : CFD, Combustion , UAV
 Propulsion

Research Area : Supersonic and Hypersonic
 Combustion



Publication details:

- 1) G. Dinesh Kumar, D.Gowrishankar, C.Suresh, "Numerical Analysis of Ramjet Spike with Various Cone Angles", International Journal of Pure and Applied Mathematics, ISSN: 1314-3395, Volume 119 No. 15 2018, 233-245
- 2) C. Suresh G. Dinesh Kumar, D.Gowrishankar,"Numerical investigation of flow deflection due to secondary injection for various pressure ratios in C-D nozzle", International Journal of Pure and Applied Mathematics, ISSN: 1314-3395, Volume 119No. 15 2018, 247-253
- 3) Rajesh R, G. Dinesh Kumar, D.Gowrishankar," Preliminary Design and Analysis of Landing Gear Retraction Actuator of 12 Ton Class Helicopter" , ISSN: 1314-3395, Volume 119 No. 15 2018, 621-632
- 4) Dinesh Kumar, D.B.Adithya and Akash Jayashankar "Numerical Analysis of Combustion using Various cavity based fuel injector in scramjet engine"
 Recent Patents on Mechanical Engineering 2018 ISSN: 1874-477X
- 5) Rijin.P.V G.Dinesh Kumar P.Manivannan Numerical Simulation of Mixing Enhancement in Scramjet using Hypermixer"International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) journal with ISSN (Print): 2249-6890; ISSN (Online): 2249-80012018
- 6) Kisho A.A., Kumar G.D., Mathai J., Vickram V. "Effect of bird strike on compressor blade" published in Springer Proceedings in Mathematics and Statistics 2016

- 7) D.Gowri Shankar, Dinesh kumar.G , Marshall Daison, “Conceptual Design of a Swept-Strut Injector for the Scramjet Combustor”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.68 (2015)
- 8) Neeraj jerauld, Dinesh kumar.G , D.Gowri Shankar, “Numerical modelling of valveless based pulse”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.68 (2015)
- 9) G.Dinesh kumar, D.Gowri Shankar, Jean Varghese Divan, “Optimization of Scramjet Combustor with Normal and Tangential Fuel Injection”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.68 (2015)
- 10) G.Dinesh kumar, D.Gowri Shankar, D.Balaji, “Computational evaluation of strut based scramjet engine combustion with different conventional fuel/oxidizer”, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248- 9622 Vol. 3, Issue 1, January -February 2013, pp.1955-1960

Conference organized:

- 1) NCAT-2018, a National Level Conference was organized as a coordinator in association with Aeronautical Society of India and DRDO at HITS on Sep-2018

Conference attended:

- 1) G Dinesh Kumar, D Gowri Shankar ,“Design and Analysis of Ramjet Inlet with Various Cone Angles”, National Conference on Aerospace Technology NCAT’2018; 27-28, Sep 2018, HITS
- 2) G Varun Kumar Sarma and D.Gowri Shankar, G Dinesh Kumar “Design Of Infrared Signature Suppression Device For A Naval Vessel (Ship Side Exhaust)", Trends & Innovations in Mechanical Engineering (TIME-2015), Chennai.
- 3) G Dinesh Kumar, D gowri Shankar, John Mathai, Rajesh R, “Computational Analysis of a Corrugated Dragonfly Airfoil at Low Reynolds Number, November 8 and 9, 2013, UPES, Dehradun
- 4) Sivaranjan, G Dinesh Kumar, D Gowri Shankar, “Boundary Layer Suppression Using Bump Surface in Airfoil”, International conference On Innovative Trends in Mechanical, Material, Manufacturing, Automobile, Aeronautical Engineering and Applied Physics” (ITMAEAP-2014) , JNU, New Delhi

5) G Dinesh Kumar, D Gowri Shankar, “ Experimental Optimization of swirl fuel injector in gas turbine engine”, Recent Trends in Mechanical, Material Science, Manufacturing, Automobile, Aerospace Engineering and Applied Physics” (AMAEAP- 2016), JNU, New Delhi

Workshop organized:

- 1) Organized Student level Quiz at WINGS INDIA -2018 at Hyderabad Air show on behalf of Hindustan Group of Institutions
- 2) “WINGS- 2017” quiz was organized in association with Aeronautical Society of India at HITS on Oct -2017
- 3) Organized Student level Quiz at AeroIndia-2017 at Bangalore Air show on behalf of Hindustan Group of Institutions
- 4) “QAUDCOPTER WORKSHOP” organized in association with Aeronautical Society of India at HITS on Sep-2017