

## RESUME

Name : Dr. M. RAJA  
E-mail : rajam@hindustanuniv.ac.in  
Designation : Associate Professor  
Degree (highest degree with year of graduation) : Ph.D. (2019)  
Experience : Industry 01 Year      Academic 11 Years 06 Months  
Specialization : Avionics and Space Engineering  
Research Area : Satellite Dynamics and Control,  
Automatic Flight Control System,  
Aerospace Navigation System  
Publication details : 26



1. M Raja , “**Comparative Analysis of Low Earth Orbit Satellite Attitude Determination using Sensor Integration and Attitude Estimation using Kalman Filter**”, INCAS BULLETIN- National Institute for Aerospace Research, ISSN 2066-8201, Volume 13, Issue 2, pp. 117 – 132, DOI: 10.13111/2066-8201.2021.13.2.12, 2021 (June)
2. M Raja, K Singh, “**Design of Satellite Attitude Control Systems using Adaptive Neural Networks**”, INCAS BULLETIN- National Institute for Aerospace Research, ISSN 2066-8201, Volume 12, Issue 3, PP. 173-182, DOI: 10.13111/2066-8201.2020.12.3.14, (Sep 2020)
3. M Raja , Ugur Guven, “**Obstacle Avoidance and Waypoint Navigation using Global position sensor/ Ultrasonic sensor**”, INCAS BULLETIN- National Institute for Aerospace Research, ISSN 2066-8201, Volume 13, Issue 1, pp. 149-158, DOI: DOI: 10.13111/2066-8201.2021.13.1.16 (Mar 2021)
4. Raja M, Dr Om Prakash, “**Design of High Pointing Accuracy NPSAT-1 Satellite Attitude Systems of Armature Controlled DC Motor with utilization for PD Controller**”, INCAS BULLETIN- National Institute for Aerospace Research, ISSN 2066-8201, Volume 12, Issue 1, pp. 145 – 156, DOI: 10.13111/2066-8201.2020.12.1.14 (March 2020)

Funded project details: 02

Consultancy project details: NIL

Conference attended/organized: 18

1. Kirti Vishwakarma, Dr. Raja, “**Feasibility study of an interstellar travel mission to sirius b star by an unmanned probe employing nuclear propulsion technology**”, International Astronautical Congress, Global Space Exploration Conference, St Petersburg, Russian Federation, 5,1,11,x63186, 14-18 June 2021.
2. Paras Adlakh, Dhananjay Notnani, Dr. M Raja, “**Designing and Simulating a CubeSat Constellation for Mars Exploration**”, AIAA SciTech Forum, 11–15 & amp; PP No 1 -23, 19–21 January 2021. DOI: 10.2514/6.2021-0694
3. Dr. Raja Munusamy, Dr. Ugur Guven, “**Robust Attitudes Controller Design for LEO Satellite with Orbital Perturbations**”, IAC-20,B2,7,6,x60512, 71st International Astronautical Congress (IAC),The CyberSpace Edition , 12-14 October 2020. Copyright ©2020 by the International Astronautical Federation (IAF).
4. M. Raja, Vinyojita, “**Vision based Landing an Unmanned aerial Vehicle**”, IEEE International Conference in Aerospace Application, 5-12 March 2011, ISBN No: 978-1-4244-7350-2, **Digital Object Identifier: 10.1109/AERO.2011.5747518.**

Workshop attended/ organized: 05

Seminar attended/organized: 04