ACS College of Engineering

Department of Aerospace Engineering

List of Papers Published by the Faculty in the Journals Notified on UGC/Scopus/SCI Website during 2017-2021

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Year of Publication	ISSN Number	H Index	Impact Factor	Link to article/paper/abstract of the article	SCI /ESCI/ Scopus/UGC
1.	Analysis of TEC values predicted by OKSM amongst low, mid and high latitude GPS stations during X 9.3 solar flare	Dr. R. Mukesh and M. Vijay	Astrophysics and Space Science	2021	1572-946X 0004-640X	75	1.830	https://link.springer.com/article/ 10.1007/s10509-021-03986-8	SCI
2.	Prediction of GPS TEC during the X9.3 Solar Flare for DGAR low latitude station by using OKSM	Dr. R. Mukesh and M. Vijay	Journal of Physics	2021	**1742-6588** **1742-6596**	85	-	https://iopscience.iop.org/article/ 10.1088/1742-6596/1979/1/012060/meta	Scopus
3.	Performance analysis of Navigation with Indian Constellation satellites	Dr. R. Mukesh	Journal of King Saud University – Engineering Sciences	2020	1018-3639	34	-	https://www.sciencedirect.com/science/ article/pii/S101836391930087X?via%3Dihub	Scopus
4.	Ordinary kriging - and cokriging - based surrogate model for ionospheric TEC prediction using NavIC/GPS data	Dr. R. Mukesh	Acta Geophysica	2020	1895-7455	35	2.054	https://link.springer.com/article/ 10.1007/s11600-020-00473-6	SCI

5.	Prediction of TEC using NavIC/GPS data with geostatistical method/forecasting capability comparison with other models	Dr. R. Mukesh	Astrophysics and Space Science	2020	1572-946X 0004-640X	75	1.830	https://link.springer.com/article/ 10.1007/s10509-020-03868-5	SCI
6.	Forecasting of ionospheric TEC for different latitudes, seasons and solar activity conditions based on OKSM	Dr. R. Mukesh	Astrophysics and Space Science	2020	1572-946X 0004-640X	75	1.830	https://link.springer.com/article/ 10.1007/s10509-020-3730-x	SCI
7.	Analysis of signal strength, satellite visibility, position accuracy and ionospheric TEC estimation of IRNSS	Dr. R. Mukesh	Astrophysics and Space Science	2019	1572-946X 0004-640X	75	1.830	https://link.springer.com/article/ 10.1007/s10509-019-3676-z	SCI
8.	Cokriging based statistical approximation model for forecasting ionospheric VTEC during high solar activity and storm days	Dr. R. Mukesh	Astrophysics and Space Science	2019	1572-946X 0004-640X	75	1.830	https://link.springer.com / article / 10.1007/s10509-019-3612-2	SCI
9.	Performance analysis of NACA2411 ice accreted original and optimized airfoils	Dr. R. Mukesh	American Institute of Physics	2019	0094243X, 15517616	75	-	https://aip.scitation.org/doi /abs/10.1063/1.5117974?journalCode=apc	Scopus

10.	Prediction of ionospheric vertical total electron content from GPS data using ordinary kriging-based surrogate model	Dr. R. Mukesh	Astrophysics and Space Science	2019	1572-946X 0004-640X	75	1.830	https://link.springer.com/article/ 10.1007/s10509-019-3502-7	SCI
11	Comparison of TEC of IRNSS with IRI and GPS TEC at equatorial latitude Station	Dr. R. Mukesh	American Institute of Physics	2018	0094243X, 15517616	75	-	https://aip.scitation.org/doi/ abs/10.1063/1.5079004	Scopus
12	Airfoil Shape Optimization based on Surrogate Model	Dr. R. Mukesh	Journal of The Institution of Engineers (India): Series C	2017	22500545, 22500553	15	-	https://link.springer.com/article/ 10.1007/s40032-017-0382-x	Scopus
13	On the use of laser beam welding for Austenitic steel type 316L and stainless-steel type 304 for aerospace applications	Dr. R. Mukesh	International Journal of Innovative Technology and Exploring Engineering	2020	**2278-3075.**	40	-	https://www.ijitee.org/wp-content/uploads/papers/v9i3/ C8600019320.pdf	-
14	Studies on the Internal Ballistics of Composite Solid Rocket Propellants Incorporating Nano-Structured Catalysts	Dr. R. Mukesh	Advances in Aerospace Science and Technology	2017	2473-6708 2473-6724	-	-	https://www.scirp.org/journal/ paper information.aspx? paperid=81146	-