

## Mars Orbiter Mission (MOM) – List of Publications

1. Kiran Kumar A.S. et al; Scientific exploration of Mars by first Indian interplanetary space probe: Mars Orbiter Mission, *Current Science*, 107, 1096 (2014).
2. Anil Bhardwaj, et al; MENCA Experiment aboard India's Mars Orbiter Mission, *Current Science*, 109, 1106 (2015).
3. Arya A.S., et al; Indian Mars-Colour-Camera captures far-side of the Deimos: A rarity among contemporary Mars orbiters, *Planetary and Space Science*, 117, 470 (2015).
4. Arya A.S. et al; Mars Orbiter Mission prepared to photograph Mars: some results from Earth Imaging Experiment, *Current Science*, 106, 661 (2015).
5. Chitra Ramamurthy. et al; Delta Differential One-way Ranging (DDOR) Transmitter Onboard Mars Orbiter Mission (MOM), *SPACES-2015*, 458 (2015).
6. Vineet K S, et al; Eclipse modeling for the Mars Orbiter Mission, *Advances In Space Research*, 56, 671,(2015).
7. Sridhar Raja V. L. N. et al; Lyman Alpha Photometer: a far-ultraviolet sensor for the study of hydrogen isotope ratio in the Martian exosphere, *Current Science*, 109, 1114 (2015).
8. Singh R. P, et al; Thermal Infrared Imaging Spectrometer for Mars Orbiter Mission, *Current Science*, 109, 1097 (2015).
9. Kurian Mathew, et al; Methane Sensor for Mars, *Current Science*, 109, 1087 (2015).
10. Arya A.S, et.al; Mars Colour Camera: the payload characterization/calibration and data analysis from Earth imaging phase, *Current Science*, 109, 1076 (2015)
11. Ritu Karidhal, et al; Mission automation and autonomy for the Mars Orbiter Mission, *Current Science*, 109, 1070 (2015).
12. Arunan. S, et al; Mars Orbiter Mission spacecraft and its challenges, *Current Science*, 109, 1061 (2015).
13. Vishnu M Nampoothiri, et al; PSLV-C25: the vehicle that launched the Indian Mars Orbiter, *Current Science*, 109, 1055 (2015).
14. Adimurthy. V, Concept design and planning of India's first interplanetary mission, *Current Science*, 109, 1050 (2015).
15. Coates A.J, et al; Plasma interactions with Solar System Objects: Anticipating Rosetta, Maven and Mars Orbiter Mission, *Planetary and Space Science*, 119, 1, (2015).
16. Anil Bhardwaj, et al; On the evening time exosphere of Mars: Result from MENCA aboard Mars Orbiter Mission, *Geophysical Research Letters*, 43, 1862 (2016).
17. Manoj K. Mishra, et al; Estimation of dust variability and scale height of atmospheric optical depth (AOD) in the Valles Marineris on Mars by Indian Mars Orbiter Mission (MOM) data, *Icarus*, 264, 84 (2016).
18. Mayur W. B, et al; Design of telecommand software for the Mars Orbiter Mission, *IEEE A&E systems Magazine*, (2016).
19. Srivastava, et al; Mars solar conjunction prediction modeling, *Acta Astronautica*, 118, 246 (2016).
20. Anil Bhardwaj, et al; Observation of Suprathermal Argon in the exosphere of Mars, *Geophysical Research Letters*, 44, 2088 (2017).
21. Kurian Mathew, et.al; Correction of Mars Color Camera Images for identification of spectral classes, *Current Science*, 112, 1158 (2017).
22. Ramdayal Singh, et al; SWIR Albedo Mapping of Mars using Mars Orbiter Mission data, *Current Science*, 113, 112 (2017).
23. Archana Nair, et al; Geochemical modelling of terrestrial igneous rock compositions using laboratory thermal emission spectroscopy with an overview on its applications to Indian Mars Mission, *Planetary and Space Science*, 140, 62 (2017).

24. Prasad P, et al; Radiative transfer modeling of atmospheric methane for satellite measurements in the 1.66 micron spectral window, *Journal of Near Infrared Spectroscopy*, 26(3), 196 (2018).
25. Vidhya G R, et al; Remote Sensing for Martian Studies: Inferences from Syrtis Major, *Journal of the Indian Society of Remote Sensing*, 46(9),1537 (2018).
26. Dipayan D, et al; Polygonal Impact Craters in the Thaumasia Minor, Mars: Role of Pre-existing Faults in Their Formation, *Journal of the Indian Society of Remote Sensing*, 47(2), 257 (2019).
27. Guha B K et al; Analysing some Martian atmospheric characteristics associated with a dust storm over the Lunae Planum region during October 2014, *Icarus*, **319**, 293 (2019).
28. Saumitra M et al; Morphological and morphometric analysis of a topographic depression near Huygens basin, Mars: identification of a putative endorheic playa. *Geomorphology*, 351, (2020).
29. Nagaraja K et al; Study of Exospheric Neutral Composition of Mars observed from Indian Mars Orbiter Mission, *New Astronomy*, 77 (5), (2020).
30. Venkateswara Rao N et al; Enhanced Densities in the Martian Thermosphere Associated With the 2018 Planet-Encircling Dust Event: Results From MENCA/MOM and NGIMS/MAVEN, *Journal of Geophysical Research- Planets*, 125(10), (2020).