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PROSPECT OF AGRONOMICS ON MARTIAN REGOLITH: ACCORDING TO APPROPRIATE  
MINERALOGICAL REGIONS OF BOTH SURFACE AND LAVA TUBES.

**Abstract**

At present, the most popular subject matter for humans in space science is the settlement of human civilization on Mars. It is going to be huge interplanetary advancement for beings. The evolution is moving on, just like that research and development for this mission is at top-notch. Humans are performing agriculture since 9500 BC. This date describes how important growing plants and crops are for us. And it is essential to do it so on Mars also. Through different missions, space agencies have done several mineralogical surveys on the Martian surface. Vegetation has its own condition to grow on different minerals. This paper exhibit categorization of plants/crops with respect to their required regolith on the Martian surface. Categorization is described mainly in three sections (North Pole, Mid latitudes, South Pole ) and every section has several subsections to represent the data more accurately. Near Valles Marineris and Pavonis Mons web of Martian lava tubes is discovered which is a comparatively ideal region for plantation than any other. A comprehensive study on lava tubes for plantation. Also shows the study of developing favorable required environmental conditions to grow vegetation in a specific region.