

The present study was carried out to evaluate the mucilage extracted from *Amaranthus viridis* L. leaves (family: Amaranthaceae) as a new suspending agent. Zinc oxide (20% w/v) suspensions were formulated, where mucilage extracted from *Amaranthus viridis* L. leaves and gum tragacanth were utilized as suspending agents. The formulated suspensions were assessed for sedimentation parameters such as sedimentation volume, degree of flocculation and redispersibility. The results obtained indicated that the extracted *Amaranthus viridis* L. Leave mucilage could be employed as novel and useful suspending agents in pharmaceutical suspensions.