

Morphological and Phytochemical Study of *Portulaca oleracea* L.

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Abstract

Portulaca oleracea L. (Mya-byit) is a useful plant belonging to the family Portulacaceae. The plant was collected from Taungup Township, Rakhine State. According to the morphological studies, the specimens were identified as annual herbs. Leaves were alternate, sessile and fleshy. The inflorescences were few-flowered terminal heads. The flowers were bisexual, pentamerous and epigynous. The fruits were capsules, and the seeds were reniform. In the preliminary phytochemical study, the phenolic compounds, carbohydrates, saponins, flavonoids, glycosides, α -amino acids, and steroids were observed in this plant. The *Portulaca oleracea* L. is an edible and medicinal plant which is not only important in the food industry but also beneficial to the pharmaceutical science.

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