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In-vitro Antioxidant potential of whole plant of ethanolic extract of *Waltheriaindica*(Linn)

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Abstract:In-vitro antioxidant activities of ethanolic extract of whole plant of *Waltheriaindica* (Linn) was investigated by various methods. The antioxidant activity was evaluated by Nitric oxide radical scavenging activity, Hydroxyl radical scavenging activity and Estimation of total phenolic content. The ethanolic extract of *Waltheriaindica* (Linn) and reference standard ascorbate IC₅₀ values was found to be 850 µg/ml and 420 µg/ml in nitric oxide radical scavenging activity. Hydroxyl radical scavenging activity of ethanolic extract and reference standard ascorbate IC₅₀ values was found to be 210 µg/ml and 420 µg/ml. The total phenolic content of ethanolic extract was found to be 7.82 mg/g respectively. The above result possess significant antioxidant activity when compare to the above all standard.

Keywords: Antioxidant, Hydroxyl radical scavenging activity, Nitric oxide radical scavenging activity, Estimation of total phenol.

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