International Journal of ChemTech Research
CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.11 No.05, pp 201-208, 2018

Antioxidant Activity of Extract of *Rizophora mucronata* leaf

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Abstract : Objective: To evaluate antioxidant activity of *Rhizophora mucronata* **Methods:** antioxidant activity was evaluated by using Ferric reducing activity (FRAP assay), Reducing power activity, Metal chelating activity, Inhibition of peroxides in linoleic acid system, DPPH radical-scavenging activity, Superoxide radical-scavenging activity, Hydrogen peroxide scavenging activity, Nitric oxide radical scavenging activity **Results:** In this present study, different models of antioxidant assays were employed, which could provide a more consistent approach to assess antioxidant and radical scavenging potential of leaves of *R. mucronata*. **Conclusion:** The result obtained in the study led to the conclusion that leaves of the mangrove plant, high level of polyphenolics and show significant antioxidant activity and radical scavenging activity.
Keywords : Antioxidant activity, *Rhizophora mucronata*, Free radical scavenging activity.

International Journal of ChemTech Research, 2018,11(05): 201-208.

DOI= http://dx.doi.org/10.20902/IJCTR.2018.110523

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