

## 2<sup>nd</sup> International Conference and Exhibition on Pharmacognosy, Phytochemistry & Natural Products

August 25-27, 2014 DoubleTree by Hilton Beijing, China

### Evaluation of antioxidant activity of *Portulaca oleracea* Linn. from Kashmir Himalaya

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To evaluate the antioxidant actions of *Portulaca oleracea* Linn from Kashmir region, different standard assays were used. Extraction was carrying out using chloroform, methanol (hot extraction) and water (cold extraction). The percentage inhibition of DPPH free radical scavenging was 75.43%, 65.9% and 35.10% by methanol, aqueous and chloroform extracts respectively at the concentration of 500µg/mL. The percentage inhibition of nitrous oxide radical scavenging was 81.1%, 69.7% and 43.26% by methanol, aqueous and chloroform extracts respectively at the concentration of 500µg/mL. Also methanol extract shows highest reducing power compared to aqueous and chloroform extracts and was found to increases with concentration. The total phenolic content was found to be  $60 \pm 0.19$ ,  $198 \pm 1.1$  and  $301 \pm 1.2$  mg/g in chloroform, aqueous and methanol extracts respectively and the total flavonoid content was found to be  $90 \pm 0.02$ ,  $186 \pm 1.1$  and  $299 \pm 1.2$  mg/g in chloroform, aqueous and methanol extracts of *Portulaca oleracea* Linn respectively. The results indicate that methanol extract of *Portulaca oleracea* Linn from Kashmir region has good antioxidant activity and may be used for formulating some preparations for the treatment of different diseases associated with reactive oxygen species.

#### Biography

Mohammad Akbar Dar has completed his BSc, B Pharma and M Pharma (Pharmaceutical Chemistry) from University of Kashmir and is currently pursuing his PhD from Department of Pharmaceutical Sciences, University of Kashmir. He has been selected for a fellowship (Basic Science Research) by University Grants Commission. He has published more than 6 papers in reputed journals.

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