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Nitrate Reductase Activity in Verbascum L. (Scrophulariaceae) Species from the Eastern Mediterranean in Dependence on Altitude

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Abstract: Nitrate reductase activity (NRA) was investigated in diferent parts of some Verbascum L. species (Scrophulariaceae) collected from different altitudes of Uludag Mountain, Bursa Turkey. NR activities were compared with respect to (1) different plant organs, (2) different Verbascumspecies and (3) samples collected from different altitudes (120-1850 m). The highest levels of NRA were found for all species in the leaves. Significant differences were determined between the samples collected from different altitudes. Despite the NRA is the highest in *V. olympicum* Boiss., it is the lowest in *V. lagurus* Fisch. & Mey. Furthermore the correlation between NRA values in aboveground organs of species and altitude is significant.

Key Words: Nitrate Reductase Activity, Verbascum L. species.

 [Keywords](#)
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