

## An Analysis of Heavy Metal Pollution by Shisham (*Dalbergia sissoo*) in Different Cities of Pakistan

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**Abstract :** The levels of metal pollution (Pb, Cd, Cu, Zn) were investigated in the leaves of *Dalbergia sissoo* in urban areas of the Sahiwal and Faisalabad City. For this purpose, three habitats were selected for sampling (roads, residential areas and parks). High concentration of metal was found in roadside samples as compared to residential areas and parks. In Sahiwal city the mean concentration of Copper ( $7.68\mu\text{gg}^{-1}$ ) Zinc ( $43.55\mu\text{gg}^{-1}$ ) and lead ( $4.79\mu\text{gg}^{-1}$ ) were detected. Similarly, concentration of Cu, Zn, Pb and Cd in leaves of Faisalabad city ranged from  $14.4\text{--}11.3\mu\text{gg}^{-1}$ ,  $49.7\text{--}49.5\mu\text{gg}^{-1}$ ,  $138.7\text{--}47.1\mu\text{gg}^{-1}$ . Highest concentration of heavy metals was detected in Faisalabad as compared to Sahiwal city and level of heavy metals was below the threshold limits, therefore, the concentration of heavy metals was not high in *Dalbergia sissoo*.

**Keywords :** cadmium, copper, lead, zinc

**Conference Title :** ICEBESE 2017 : International Conference on Environmental, Biological, Ecological Sciences and Engineering

**Conference Location :** Jeddah, Saudi Arabia

**Conference Dates :** January 30-31, 2017