



Assessing Heavy Metal Pollution in Agricultural Soil in Pune, Maharashtra, India

Azam Sadat Delbari¹ and D. K. Kulkarni^{2*}

¹*Department of Environmental Science, Pune University, Pune-411 007, India*

²*BAIF Development Research Foundation, Warje-Malwadi, Pune- 411 058, India*

**E-mail: dilipkulkarni@gmail.com*

Abstract: The vehicular pollution around Pune is increasing day by day and naturally it affects agriculture. Present research was conducted to study seasonal variations and different concentrations of the heavy metals - Cr, Cu, Fe, Mn, Ni, Pb and Zn - in agriculture near the highways in six locations investigated during two major seasons. Soil samples were collected during 2009-2010 in dry and wet (summer and monsoon) seasons and were treated and digested using standard wet digestion methods. Heavy metals were determined with Atomic Absorption Spectrophotometer (AAS). Level of heavy metals concentrations is below normal range.

Key Words: Agricultural Soils, Heavy Metal Pollution, Pune-Maharashtra.
