

[https://scholar.google.com/scholar?q=Assessment+of+Heavy+Metal+Contamination+in+the+Soil+of+Fallujah+City&hl=ar&as\\_sdt=0&as\\_vis=1&oi=scholart](https://scholar.google.com/scholar?q=Assessment+of+Heavy+Metal+Contamination+in+the+Soil+of+Fallujah+City&hl=ar&as_sdt=0&as_vis=1&oi=scholart)

Assessment of Heavy Metal Contamination in the Soil of Fallujah City

Muthana Shanshal<sup>1</sup>, Saja S. Faris<sup>2</sup> and Omar H. Shihab<sup>3</sup>

*Journal of University of Anbar for Pure Science (JUAPS)*

2020,14 (2):32 – 37

#### ABSTRACT

Inductively coupled Plasma- Atomic Emission Spectroscopy (ICPE-AES) was applied for the analysis of the soil of Fallujah city. The samples were taken from 50 different locations in the city and at the depths 20, 40 and 60 cm. No Cd ions were detected in the soil. Yet significant contamination was detected with elements, Pb, Cr, Ni, Co, Zn and Cu. Fe concentration value was found to be less than the international average concentration value. The results showed a diffusion of the contaminating elements into the soil ( at 20, 40 and 60 cm) of the sampling location

**Keywords** FallujaSoil, heavy metals,