

**IMPACT OF INDUSTRIAL POLLUTION GENERATED BY TWO COMPANIES  
(THEAZAZGA - ELECTRO INDUSTRIES AND THE NATIONAL COMPANY OF  
INDUSTRIES ELECTRO- MENAGER OF OUEDAISSI) ON THE SOIL FAUNA**

**L. LEMBROUK & D. SADOUDI -ALI AHMED**

Department of Biological Sciences, M. Mammeri University of Tizi-Ouzou, Algeria

**ABSTRACT**

We have undertaken a study on the impact of industrial pollution of the final discharge of two large industrial companies in the wilaya of Tizi -Ouzou (Algeria) on the pedofauna. This is about the Electro Industries of Azazga and the National Company of Industries appliances Oued Aissi. We opted for the method of the quadra (25 × 30 cm) with three depth levels N<sub>1</sub> (0-10 cm), N<sub>2</sub> (10-20 cm), N<sub>3</sub> (20-30 cm) during three seasons (winter, spring and summer). The extraction of the soil organisms is achieved by the simplified technique of Berlese Tulgrene. The gathered animals are sorted, identified and counted. In addition to the inventory, analyses are performed on the ground such as granulometry, pH, O.M. and the determination of heavy metals. The identified wildlife is divided into 18 levels divided into 60 families and 102 species with the apparent action of the season, the depth and the pollution thanks to gastropods which are bio - indicators.

**KEYWORDS:** Soil, Pedofauna, Industrial Waste, Pollution, Indicator Species