



## REMEDICATION TECHNIQUES FOR CONTAMINATED SOILS

Vimla Sheoran<sup>1</sup>, Attar Singh Sheoran <sup>\*2</sup>, Poonia Poonam<sup>1</sup>

<sup>1</sup>*Department of Zoology, Faculty of Science, Jai Narain Vyas University, Jodhpur, India-342011*

<sup>2</sup>*Department of Mining Engineering, Faculty of Engineering, Jai Narain Vyas University, Jodhpur, India-342011*

---

### Abstract

Soil pollution causes significant damage to the environment and human health as a result of their mobilities and solubilities. Significant progress has been made in regulating soil pollution, with a parallel development of methodologies for soil assessment and remediation. The selection of the most appropriate soil and sediment remediation method depend on site characteristics, concentration, type of pollutants to be removed, and the end use of the contaminated medium. The approach includes isolation, immobilization, toxicity reduction, physical separation and extraction. This paper provides the developing technologies of soil remediation and review of available remediation options include physical, chemical, and biological treatments and these options offer potential technical solution to most soil pollution.

*Key words:* soil pollution, remediation techniques, physical, chemical, biological treatments

---

---

\* Author to whom all correspondence should be addressed: [as\\_sheoran@yahoo.com](mailto:as_sheoran@yahoo.com), tel.:+91-291-2611512, +91-9414411623