

## 토양 내 잔존하는 PAHs의 eco-toxicity 측정을 위한 새로운 접근 방법

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### Novel approach to establish a bioassay for estimating eco-toxicity of residual PAHs in soil

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#### ABSTRACT

To estimate eco-toxicity of residual PAHs after remediation of contaminated soils, a bioassay is carried out with four typical type of soils. The soil characterized distinctly physiochemical trait and distributed the highest in Korea.

We investigated a relation between initial growth of plants and concentration of added PAHs into the soil. The results of relation between growth of plant and concentration of added PAHs were shown that the initial growth of plant was influenced by added concentration. It was identified that the repetitions of bioassay were analogous at 95% of confidence for a section. Also, this results indicate that bioassay can be applicable to the PAHs-contaminated sites.

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