

Environmental chemistry for a sustainable world, volume 2 : remediation of air and water pollution

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20405773&lokasi=lokal>

Abstrak

Chapters review analysis and remediation of pollutants such as greenhouse gases, chiral pharmaceuticals, dyes, chlorinated organics, arsenic, toxic metals and pathogen in air, water, plant and soil. Several highlights include the overlooked impact of air pollutants from buildings for health risk, innovative remediation techniques such as bioreactors for gas treatment, electrochemical cleaning of pharmaceuticals, sequestration on Fe-Mn nodules, phytoremediation and photocatalytical inactivation of microbial pathogens.