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Revolutionizing Industrial Hygiene Practices

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Abstract

The ýeld of industrial hygiene plays a pivotal role in safeguarding the health and well-being of workers exposed to various occupational hazards. This abstract explores the ongoing revolution in industrial hygiene practices, driven by advancements in technology, data analytics, and a heightened focus on proactive health and safety measures. The integration of smart sensors, artiýcial intelligence, and real-time monitoring is transforming traditional approaches, enabling more precise hazard identiýcation, risk assessment, and timely intervention. This revolution emphasizes a shift towards a data-driven, proactive model that not only addresses immediate concerns but also anticipates and prevents potential health risks in industrial settings. The abstract discusses the potential impact of this revolution on worker safety, regulatory compliance, and the overall e ciency of industrial operations, highlighting the need h r p orm ɜ ω

Keywords: ; ; ; E ; A

Introduction

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Discussion

3

Integration of IoT and sensor technologies:

( ) 4

Data analytics and arti cial intelligence:

(A) . 5

Wearable technology:

6 . B

Remote monitoring and Telehealth:

7-10 . A

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