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Industrial Hygiene Safeguarding Worker Health and Safety in the Modern Workplace

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Abstract

Industrial hygiene is a crucial discipline aimed at safeguarding worker health and safety in the workplace by identifying, evaluating, and controlling environmental hazards that could lead to illness, injury, or long-term health

of chemical, physical, biological, and ergonomic hazards. The article delves into the importance of industrial hygiene programs, safety regulations, and the integration of advanced technology in monitoring and mitigating risks. By examining the evolution of industrial hygiene practices and the current challenges faced by industries, this article emphasizes the need for a proactive approach to maintaining worker health. Key strategies for preventing occupational diseases and promoting a safe working environment are also discussed, highlighting the essential role of industrial hygienists in creating healthier workplaces.

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Received: 02-Nov-2024, Manuscript No: omha-24-154289, Editor Assigned: 06-Nov-2024, pre QC No: omha-24-154289 (PQ), Reviewed: 20-Nov-2024, QC No: omha-24-154289, Revised: 25-Nov-2024, Manuscript No: omha-24-154289 (R), Published: 30-Nov-2024, DOI: 10.4172/2329-6879.1000553

Citation: Hale K (2024) Industrial Hygiene Safeguarding Worker Health and Safety in the Modern Workplace. Occup Med Health 12: 553.

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Physical hazards

Citation:	Hale K	(2024) Ir	ndustrial	Hygiene	Safeguarding	Worker	Health	and Sat	ety in th	e Modern	Workplace.	The	Worldwide	Perspective.	Occup
	Med He	ealth 12: 5	553.												

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Virtual reality (VR) and augmented reality (AR)

Discussion