

Extended Abstracts

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Environmental and Energy Sustainability in India and Arsenic Groundwater Remediatio $\tilde{A}f \hat{A}\phi \tilde{A}$, \hat{a} , $\neg \tilde{A}$, $\hat{a} \in A$ Vision for the Future

Sukanchan Palit*

Assistant Professor (Senior Scale), Department of Chemical Engineering University of Petroleum and Energy Studies, Energy Acres Post Office – Bisholi via Premnagar Dehradun-248007, Uttarakhand, India E-mail: sukanchan68@gmail.com

ABSTRACT

The world is moving steadily at a drastic pace and human civilization is surpassing visionary frontiers. Challenges, barriers and future planning are the ultimate crux of the progress of human civilization. Environmental degradation is at its vicious helm. At such a critical juncture of human history and time, man's vision should be targeted towards successful energy and environmental sustainability. Mankind's vision and civilization's prowess will go a long way in the emancipation of human progress and environmental scientific endeavor. Frontiers of scientific truth and scientific vision are surpassed with every step of scientific endeavor. Environmental engineering science and energy scenario are opening up new vistas of development in the Indian perspective in years to come. India today is one of the fastest growing economies. Challenges, grit and scientific determination are the coinwords of future. The vision for the future of the nation needs to be reshaped and reorganized as the nation propels into twenty first century. Environmental and energy sustainability needs to move at a rapid pace in a developing country like India. The progress of the world order, the unsurpassed barriers of a developing economy and scientific vision needs to be readdressed at every step of human endeavor. Environmental sustainability and energy sustainability in today's world have an unsevered umbilical cord. The future of Indian nation is in the verge of a new generation of scientific understanding and scientific vision. Environmental engineering science and its application in Indian perspective is moving towards a visionary realm. Environmental sciences in today's world stand in the midst of immense scientific truth and scientific forbearance. Sustainability issue in India is devastated and is at a difficult situation. Arsenic groundwater contamination has led human civilization to its greatest human catastrophe. In such a crucial juncture of science and engineering, process technology, environmental engineering and water technology needs to be envisioned.

Sustainability whether it is energy or environmental needs to be restructured and rebuilt in the Indian context. Sustainable infrastructural development and the primordial issue of provision of basic human needs to be reshaped with the passage of history and time [1,2]. Challenges, difficulties and scientific barriers are veritably surpassing visionary frontiers. Man's vision and its challenges are opening up new windows of innovation in the domain of energy and environmental sustainability. In a similar vein, arsenic groundwater remediation should be the futuristic goal of India.

Eastern India is troubled with the catastrophe of arsenic groundwater contamination. The vision of groundwater contamination needs to be rebuilt with innovation in scientific endeavor. The world of scientific challenges and scientific barriers are befitting to the progress of human life and innovative endeavor. The primordial question of provision of clean drinking water stands as a major issue in South Asian countries. Scientific vision, intense scientific endeavor and the path towards future progress will lead a long way in alleviating the issue of arsenic groundwater contamination in South Asia

Keywords: Sustainability; Energy; Environment; Vision; Arsenic; Groundwater; Remediation