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Social Acceptance of Nuclear Power: Insight from Qualitative Interviews in Bangladesh

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Rapid industrialization has increased the demand for electricity in Bangladesh. In addition, it has a population of over 180 million, with minimal energy resources. Thus, Bangladesh is considering nuclear power to meet the growing energy demands. It has already constructed its first nuclear power plant with 2400 MW capacity in Rooppur, Pabna, and the government is planning more nuclear power plants in the future.

It is crucial to acknowledge public perception and social awareness regarding nuclear power and its safety, technology advancements, energy justice, awareness, etc. Several countries, such as the US, China, and India, have conducted a thorough study on the community acceptance of nuclear power, energy justice, and equity. There is a lack of proper highlights regarding Bangladesh's first nuclear power plant.

This study aims to explore people's perceptions and acceptance of nuclear power by considering several socioe-conomic and technical factors through a series of structured and semi-structured interviews. The outcomes of this investigation will contribute to shaping a country's energy policy and justice and the stakeholder's role of engagement in nuclear power.

Technical Track

Nuclear Applications and Radiation Processing

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