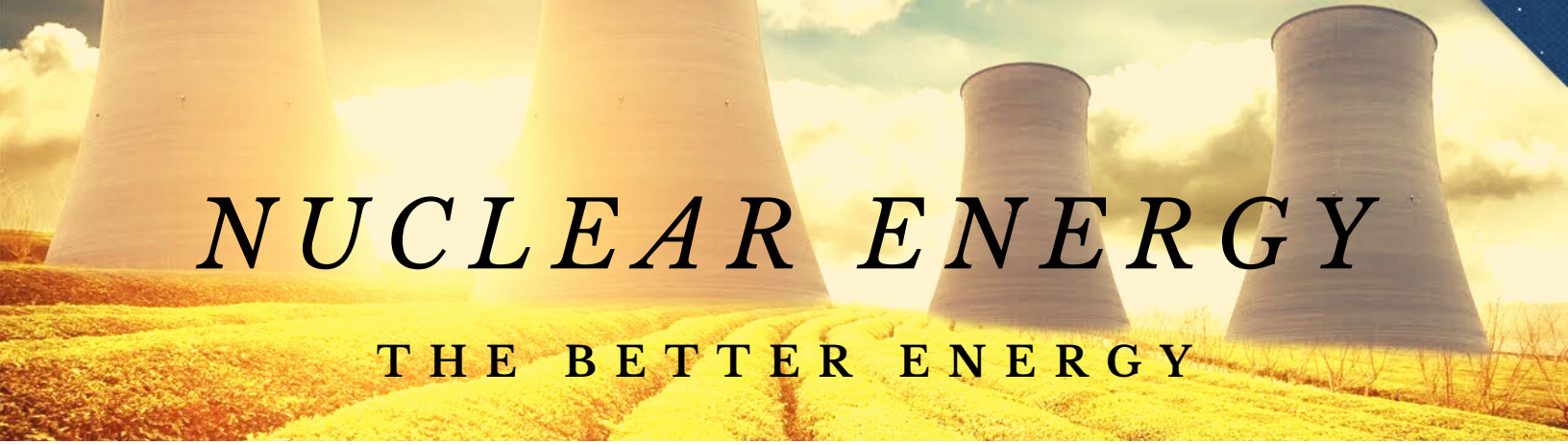


NUCLEAR ENERGY

THE BETTER ENERGY

MARCH | NEWSLETTER | 2020

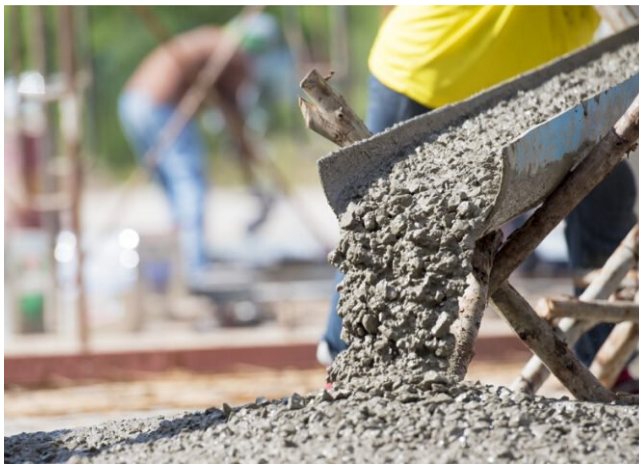
Nuclear Energy - The Better Energy is an initiative to create awareness about the benefits of Nuclear Energy and to help the society get rid of the fears and misconceptions related to this environment friendly source of energy. We proudly present our March newsletter.

NUCLEAR 101

Nuclear 101 is a section where we will bring to you some of the most basic concepts of Nuclear Physics explained in a non-specialist way

Sandstone, brick, concrete, gypsum and granite contain naturally occurring radioactive elements like radium, uranium and thorium and act as sources of radiation. Radiation dose from building materials largely depend on the type and amounts of material used. However, the level of radioactive materials in such building materials is very low and does not pose any threat to human health.

Living in a concrete building adds up to 7 millirem/year of radiation dose to a person. Whereas, the nuclear fuel cycle results in only about 0.05 millirem/year of radiation dose.



DID YOU KNOW?

The Arab world is all set to enter the Nuclear Power sector with the United Arab Emirates (UAE) issuing an operating license for the Barakah nuclear power plant, which will have four reactors with a total capacity of 5,600 megawatts. The power plant will start production later this year. For complete article, ***Click Here***.

Highlighted Articles

America & Nuclear Power

In the United States, only 20% of our electricity comes from nuclear sources. On the other hand, in France, the figure rises to almost 80%. Sadly, nuclear-powered electricity in America has stayed at that level for the last 30 years, while nastier sources of energy like coal and natural gas take turns dominating the electricity market. The lack of greater use of nuclear power stems from the public misperception of this zero-emissions energy source.

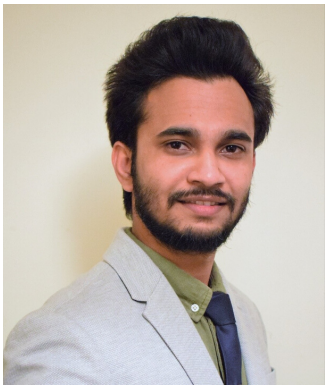
READ MORE

With the multitude of applications of nuclear science, it is important that this field is well-regulated and permeated by a culture of safety. Indeed, one of the primary strengths of the commercial nuclear power industry is that it is thorough regulated. The industry is monitored at both international and national levels by agencies that enforce policies of safety both for workers as well as facility operation. Other regulations such as nonproliferation are meant to promote peaceful use of nuclear technology.

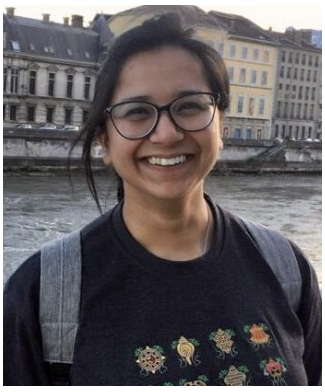
READ MORE

IAEA
International Atomic Energy Agency

Meet our international collaborators



Prince Rautiyal
PhD student
(Radioactive waste management)
Sheffield Hallam University, UK



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