

'NUCLEAR ENERGY USAGE IN NON-ENERGY FIELDS IS UP'

Relevant for: Science & Technology | Topic: Achievements of Indians in science & technology

Seminar held on Peaceful Applications of Nuclear Energy.

The words “nuclear” and “atomic” can trigger fear but very few realise that nuclear energy and related technology have been critical tools in uplifting human life since more than half a century, said Bhabha Atomic Research Centre (BARC) scientist Tirumalesh Keesari.

“About 30 countries, including India and China, use nuclear power for generating electricity. Applications of nuclear energy have also grown tremendously in non-energy fields such as food production, human health and environmental protection,” he said.

Participating in a seminar on ‘Peaceful and Societal Applications of Nuclear Energy’ organised by voluntary agency Social Cause on the 124th birth anniversary of Netaji Subhash Chandra Bose, he said India is playing a key role in promoting use of radioisotopes for food, agriculture, industry, medicine, water resources and the environment.

Of late, isotope hydrology has been the focus area. Naturally-occurring as well as reactor-produced isotopes have been applied to understand hydrological processes and provide simple solutions to the growing water issues in the country.

He said success stories include identification of source of fluoride in groundwater, estimation of groundwater ages in deep zones, rejuvenating drying springs in Himalayan states, impact of climate change on glaciers and role of paleochannels on groundwater recharge. In Telangana, he said, isotope techniques were employed to verify positive impact of desiltation of natural tanks on groundwater levels, and fluoride contamination.

Subscribe to The Hindu digital to get unlimited access to Today's paper

Already have an account ? [Sign in](#)

Start your 14 days free trial. [Sign Up](#)

Find mobile-friendly version of articles from the day's newspaper in one easy-to-read list.

Enjoy reading as many articles as you wish without any limitations.

A select list of articles that match your interests and tastes.

Move smoothly between articles as our pages load instantly.

A one-stop-shop for seeing the latest updates, and managing your preferences.

We brief you on the latest and most important developments, three times a day.

*Our Digital Subscription plans do not currently include the e-paper, crossword and print.

You can support quality journalism by turning off ad blocker or purchase a subscription for

unlimited access to The Hindu.

[Sign up for a 30 day free trial.](#)

END

Downloaded from **crackIAS.com**

© **Zuccess App** by crackIAS.com

CrackIAS.com