

**Dr. Homi Jehangir Bhabha**, (born October 30, 1909, Bombay -January 24, 1966), Indian physicist who was the principal architect of that country's nuclear energy program. Born into a rich aristocratic family, Bhabha went to the University of Cambridge, England, in 1927, originally to study mechanical engineering, but once there he developed a strong interest in physics. Armed with an honours degree, he started his research in 1930 at the Cavendish Laboratories in Cambridge and in 1935 obtained a doctorate. When World War II broke out in 1939, Bhabha was in India on a holiday. With Europe in turmoil, he decided to stay, and at the behest of physicist Sir Chandrasekhara Venkata Raman, director of the Indian Institute of Science, Bangalore (Bengaluru), he joined the institute as a reader in physics in 1940.

A visionary, Bhabha realized that the development of nuclear energy was crucial for the future industrial growth of the country, as the available sources of power and energy were limited. Funded by businessman J.R.D. Tata, Indian nuclear research began with the inception of the Tata Institute of Fundamental Research (TIFR) in 1945, with Bhabha at the helm. Appointed chairman of the Atomic Energy Commission instituted by the government of India in 1948, Bhabha was instrumental in setting up the Atomic Energy Establishment in Trombay. All the scientists conducting research in nuclear power and related areas were transferred from TIFR to this institute. After the death of Bhabha in an air crash on Mont Blanc in 1966, the institute was renamed the Bhabha Atomic Research Centre (BARC) by Prime Minister Indira Gandhi in his memory. Bhabha's contribution to the development of atomic energy made him a significant figure in international scientific circles. He served as president of the United Nations Conference on the Peaceful Uses of Atomic Energy in 1955 and as president of the International Union of Pure and Applied Physics from 1960 to 1963. Dr. Homi Bhabha was awarded the Adams Prize (1942) and Padma Bhushan (1954). He was also nominated for the Nobel Prize for Physics in 1951 and 1953-1956.

**M.Sc.  
Medical  
Physics  
Students**

**Dr. Homi J Bhabha Endowment** was created with the corpus fund of the department of Medical Physics in the year 2020 in the memories of Dr. Homi J Bhabha. This endowment was started with an aim of utilizing the interest of the nucleus fund for conducting seminars. Every year an expert will be invited in Medical Physics field to promote knowledge among students.



**Dr. N.G.P. ARTS AND SCIENCE COLLEGE**

Coimbatore – 641 048 | Tamil Nadu | India



## **Dr. HOMI J BHABHA ENDOWMENT LECTURE**

**ON**

## **RADIATION DETECTORS AND EMERGENCY PREPAREDNESS**

*Organized by*

**DEPARTMENT OF MEDICAL PHYSICS**

**Date : 12.04.2023**

**Time : 11.15 a.m.**

**Venue : Seminar Hall-1 (C1-Block)**

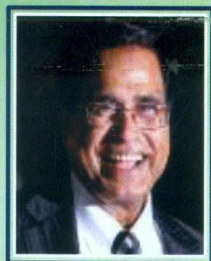


## CHIEF GUEST



**Dr. SESHADRI MURALI, Ph.D.,**  
Scientific Officer-H,  
Head, Emergency Preparedness and Response Section,  
Radiation Safety Systems Division,  
Bhabha Atomic Research Centre,  
Mumbai.

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**Dr. Seshadri Murali** is serving as Scientific Officer H and the Head, Emergency Preparedness and Response Section, Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai. Dr. S. Murali obtained his PhD from Mumbai University in 2002 for his research work on 'Radiation Dosimetry'. He has authored over 175 papers presented in international/national scientific conferences, 30 international publications, 26 publications in peer reviewed national journals.

Dr. S. Murali is a faculty member of Homi Bhabha National Institute (HBNI), teaching for the trainee officers at BARC since 2002 and serving as a visiting professor of Mangalore University for teaching Radiation Physics subject in post graduation programme since 2004. He is research guide for M. Tech programme at HBNI. Dr. S. Murali has over 35 years of experience in radiation safety at operating nuclear / radiation facilities, radiation emergency preparedness and response. Dr. S. Murali has written a number of safety-related emergency response materials for the IAEA as well as SOPs for DAE Emergency Response Centers. He has visited as Indian delegate to IAEA workshops at Vienna, Japan and Bangladesh for preparation of documents on safety aspect / communication strategy during emergency response. Dr. Murali has been delivering lectures on Radiological Safety, Radiation Detection and Radiation Emergency Preparedness to the Medical Officers, NDRF, Defence, Para military, Police forces across the country.

## AWARDS & RECOGNITIONS

- He was awarded 'Meritorious Operational Health Physicist' in 2012 for his immense contributions in the field of Radiological Safety at Nuclear Facilities by Indian Association for Radiation Protection (IARP) and got rewarded by DAE a few group achievement awards.
- Dr. Murali is serving as the Honorary Secretary of IARP and a member of the executive committee of the Indian Association for Radiation Protection (IARP), responsible as the convener of IARP training programmes.
- He is serving as a member of various safety committees in defence-related strategic work programmes.