

## 6<sup>th</sup> Khwarizmi Award

Feb 1993

### **Outstanding research in physics**

**Research Title:** Development and applications of an experimental tool for mineral /oil/ gas exploration, location of geothermal energy sources, prediction of earthquakes

**Researcher:** Hameed ahmed khan

**Rank:** First

**Country:** Pakistan

**Field:** Basic Sciences



Prof. Hameed Ahmed Khan is the Chief Scientist of Pakistan Atomic Energy Commission (PAEC) and Director General of Pakistan Institute of Nuclear Science & Technology (PINSTECH), Islamabad, Pakistan.

He was born at Rangoon (Burma) in 1942, and earned his BSc and MSc degrees from Punjab University in 1963 and 1964, respectively. He joined Pakistan Atomic Energy Commission (PAEC) in 1965 and participated in the commissioning of Pakistan's first Research Reactor (PARR-1). He then earned an MSc (Reactor Physics) and a PhD (Radiation Physics) from Birmingham University (UK) in 1969 and 1972, respectively.

Dr Hameed Khan's PhD research work produced about 20 international research publications and resulted in the development of a new radiation detection system that was applied to many branches of science and technology. He served on the research/teaching faculties of Birmingham University till 1974.

The President of Pakistan decorated Dr Khan with a high civil award of "Sitara-i-Imtiaz" (SI), in recognition of his scientific research work and its applications in Pakistan, and the National Book Council of Pakistan bestowed upon him the award of the Scientist of the Year, 1987.

The Islamic World Academy of Sciences elected him a Fellow in 1988. In 1990, the Pakistan Academy of Sciences (PAS) elected him a Fellow of the Academy. The National Book Foundation of Pakistan awarded him first prize in Physics for the years 1991, 1992 & 1993.

Realizing the energy problem in Pakistan, Dr Khan developed and applied an inexpensive technique for uranium and thorium exploration with a view to use these minerals in nuclear power generation program of Pakistan Atomic Energy Commission (PAEC).