

Obituary

Dr. Sudhir B Koganti



(June 15, 1949 – June 7, 2021)

Dr Sudhir B Koganti, FNAE formerly Head, RR&DD, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam born on June 15, 1949 passed away on June 7, 2021. He had made significant research contributions in the areas of Separation Technology and Multiphase Flow. He made several innovative contributions towards the equipment development, multi-phase flow and modelling aspects of solvent extraction for spent fuel reprocessing of Uranium, Plutonium carbide fuel that has undergone burn up in Fast Breeder Reactor. The important equipment developed include a single pin shear unit, high capacity feed clarifier, rotary semi continuous dissolver, fast centrifugal contactors, novel high efficiency air pulsed ejector mixed settler (HEMS), electrolytic ejector mixer settler, a radial pulsed column, no maintenance fluidic pumps and constant volume feeders. His contributions paved the way to formulate the analysis code (SIMPEX) for high Plutonium content. He was also responsible for the development of a design and simulation code for analysing the displacement chromatography for the production of enriched B-10, a strategic material. His work was highly relevant to the strategic area of nuclear fuel reprocessing.

May God bless his soul to Rest in Peace