



Speaker



S Khuntia
Chief Scientist (Retd.)
CSIR

He has worked as a design engineer in Govt. of Odisha for a year and designed various EOT cranes, sluice gates and heavy structures which were installed in a few hydraulic dams of Odisha. He had also worked in the Regional Research Laboratory (CSIR), Bhubanshwar (presently known as IMMT) as a Scientist in the year 1978 for undertaking Research and Development, exclusively for development of need based technologies for the prosperity of society and industry. Most of his inventions were directed for eradication of many chronic problems in rural society as well as for employment generation throughout the country. He has invented 22 numbers need based rural technologies; such as clean burning multi-fuel and biomass cook stoves, paddy thresher and winnower, pulse thresher, biomass operated multi-purpose driers, bakery oven, cardamom drier, coal fired pottery kiln, coal furnace for brass and bell metal industries, TERAFILE water purifiers, biogas generation from vegetable and kitchen wastes, coal fired furnace for Dhokra casting, glazing (glass coating) on terracotta artefacts and roof tiles, etc. His high end inventions such as advanced coal fired cyclone combustor, coal fired billet reheating tunnel furnace for re-rolling mill, slurry jet pumps for dredging and hydraulic transportation of ore and minerals were utilised in few industries for conservation of energy and replacement of petroleum products by coal.

He has received seven National and State awards from Hon'ble Vice President of India, Chief Minister of Odisha, Rajiv Gandhi Samman etc for inventions and contributions in societal development and renewable energy. He has published 80 technical papers in international and national journals, proceedings etc. He was member in many committees of various ministries and departments of Govt. of India and State Govts for augmenting science and technology in Govt. programmes.