



## J. Jayapandian

**J. JAYAPANDIAN.**

**Head.**

**Electronics & Instrumentation  
Section.**

**Surface & Nano Science Division.**

**Materials Science Group,  
IGCAR.**

**KALPAKKAM.**

With excellent collegiate teaching experience joined in Materials Science Division of Indira Gandhi Centre for Atomic Research, Department of Atomic Energy, Kalpakkam, in the year 1983 as an electronics specialist for various experimental automation design requirement.

### Awards and Honors:

**2006 Best Poster award** of the Inst. Society of India (NSI-32) conference.

**2000 Kalpakkam Science & Technology award (KSTA).**

**1999 Tamil Nadu Scientist award (TANSA)** field of engineering and technology by Government of Tamil Nadu. India.

**1995 to**

**till date:** Received **30 Design Awards** from  
Electronics Design, Magazine, USA,  
EDN Magazine, USA,  
Electronic Engineering magazine, UK,  
Electronic World magazine, UK.  
Cypress Microsystems, W.A.

Honorary faculty member, Homi Bhabha National Institute (HBNI),  
Mumbai, India.

**Consultant** for many national institutions like IISc, Bangalore, IIT, Mathematical Science Institute, National Consortium and Universities.

### Publication:

International Journal : 80  
National Journal : 76  
Conférences : 48

Contribution to the high tech R&D through design and development in both analog and digital instrumentation helped in building several new equipments resulted in ensuring self-reliance in high tech areas.

Presently, involved in the major **R&D** projects like **MEMS** sensors design and fabrication, thick film & thin film coating for sensor design, *Superconducting Quantum Interference Device (SQUIDS)* based NDT *Magnetometer* read-out electronics design etc. Implemented design automation for several experiments based on virtual instrument programming technique along with embedded control systems.