

## DR PALASH KUMAR MAJI



### Chief Scientist

Head, Advanced Design & Analysis Group

Head, Horticulture

CSIR- CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

Mahatma Gandhi Avenue, Durgapur. Pin: 713209

Ministry of Science & Technology, Govt. of India.

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### Academic Qualifications :

Degree	University/ Institute
BE in Mechanical Engineering	Jadavpur University
M Tech in Mechanical Engineering (Design & Production Engineering)	NIT, Durgapur
PhD in Mechanical Engineering <b>Topic:</b> Design and Development of Different Types of Femoral Stems for Reducing Stress Shielding Effect	IEST, Shibpur

### Professional Experience

Designation	Period	Organization
Chief Scientist	2022-Till date	CSIR-CMERI, Durgapur
Sr.Pr. Scientist	2017-2022	CSIR-CMERI, Durgapur
Pr. Scientist	2012-2017	CSIR-CMERI, Durgapur
Sr. Scientist	2008-2012	CSIR-CMERI, Durgapur
Scientist -C	2004-2008	CSIR-CMERI, Durgapur
Scientist -B	2001-2004	CSIR-CMERI, Durgapur
Research Fellow	1998-2001	CSIR-CMERI, Durgapur
Design Executive	1996-1997	ITW SIGNODE, Hyderabad

**ACSIR faculty:** Teaching the subjects of mechanical engineering to the students enrolled for MTech/PhD

**Field of specialization:** Design, Analysis and Development of mechanical systems, CAD, CAE etc.

**R&D Exposure & Interests:** Design, Analysis and Development of mechanical systems, meeting the needs of industry, society and strategic sector. Leading role towards execution of “Research oriented Projects of national importance” in the field of Special purpose machine/device, Riot Control Vehicle, ballistic Weapon system, Electric vehicle, Agriculture machineries, Biomedical Implants, Additive Manufacturing etc.

### Publications

SCI Journal	7
Non-SCI Journal	9
Conference	37

### Patents

Filed (National)	6	
Granted (National)	3	
Filed (International)	2	No of Countries : 5
Granted (International)	1	

**Other IPRs:** Design Registration/Copyright/ Trademark :8nos

### Future Goals :

- a) Development of innovative/indigenous technology, having national importance, in the field of Strategic sector/ Manufacturing/ Mechanization of Agriculture as per the requirements of Industry/ Society.
- b) Development of state of the art Infrastructure in the area of Mechanical System Design to make my organisation renowned in providing cost effective solution to Industry, Society and Strategic sector in the area of development of customized mechanical system/ devices, ballistic Weapon system, particle accelerator, Mechanised agriculture equipment, special vehicles, etc.