

Sponsored Research Projects

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Sl. No	PI/ Co-PI	Project Title	Period	Funding Agency	Budget (Lakhs)
1.	PI	Development of high strength and low young's modulus, bioactive and antibacterial porous titanium structures for orthopaedic implants	2020-2023	DST, New Delhi	36.45
2.	PI	Development of Nanostructured Titanium Implants with Bioactive and Antibacterial Composite Coatings for Dental and Maxillofacial Applications	2019-2022	DST, New Delhi	94.04
3.	PI	Fabrication of Corrosion and Wear Resistant Ceramic Composite Coatings on Al Alloys by Plasma Electrolytic Oxidation for Defence Applications	2017-2021	DRDO, New Delhi	35.26
4.	PI	Development of High Surface Area, Micro Porous Plasma Electrolytic Oxide Layers on Commercially Pure Titanium as Promising Systems for Photocatalytic Applications	2017-2020	SERB, New Delhi	46.85
5.	PI	Corrosion and Wear Resistant Ceramic Composite Coatings on Reactor Grade Zircalloys by Plasma Electrolytic Oxidation for Nuclear Fuel Cladding Applications	2017-2019	DST, New Delhi	19.27
6.	PI	Surface Modification of biodegradable magnesium alloys by plasma electrolytic processing for orthopaedic implant applications	2012-2015	SERB, New Delhi	39.03
7.	PI	Doped hydrogenated amorphous silicon carbon alloys (α -SiC:H) for artificial heart valve and stent applications	2012-2015	DBT, New Delhi	3.10
8.	PI	Surface Modification of Titanium and Titanium Alloy Bio-medical Implant Materials by Plasma Electrolytic Oxidation and Characterization for Biomedical Applications	2009-2012	DBT, New Delhi	27.56
9.	PI	Development of Bioactive and Antibacterial Nanocrystalline Hydroxyapatite Coatings on Ti and Ti-Alloy Implant Materials by PEO Technique	2009-2012	NRCM, IISc Bangalore	1
10.	Co-PI	Additive manufacturing of next-generation alloys (SPARC Project, PI: Dr K. Siva Prasad)	2019-2022	MHRD, New Delhi	78.29
11.	Co-PI	Synthesis and Characterization of Nanomaterials for Engineering Applications (PI: Dr T. Srinivasa Rao)	2009-2012	Nano Mission, DST	572.32
12.	Co-PI	Development and Characterization of One Dimensional Oxide Nanomaterials for Gas Sensing Applications (PI: Dr A Chandra Bose)	2009-2012	NRB DRDO New Delhi	28.66