

List of Schemes/ Projects/ Programmes during 2022-2023

P. No	Title	Theme	Type	PI	Start Date	End Date	Total Amount
HCP-27	CSIR Innovation Centre for Next Generation Energy Storage Solutions	E2D	Mission	Dr. A.S. Prakash, Dr. P. Periyasamy	23-09-2022	31-03-2024	13899.622
MLP 0403	Design and development of electrochemical reactor for production of ammonium persulphate salt	CLP	FTT	Dr. R. Malini	26-10-2022	25-10-2025	48.460
MLP 0402	Development of hard chromium plating process using sulphate based electrolyte as a replacement of existing hazardous process	AEISS	FTT	Dr. N. Rajasekaran	23-09-2022	22-09-2025	125.080
MLP - 0401	Development of Eco-efficient synthetic lightweight aggregates (EESLAs) using Coal Refuse Mixed with industrial by-products	CIE	FTT	Mr. M. Ashok	13-09-2022	31-08-2025	24.040
HCP-47	Phenome India-CSIR Health Cohort Knowledgebase (PI-CheCK)		Cohort	Dr. V. Ganesh	04-08-2022	31-03-2027	25.750
HCP - 0042	CSIR Mission Mode Project on AI-enabled Technologies & Systems (AITS)	AITS	Mission	Dr. R. Sindhujaa	15-06-2022	31-03-2023	16.839
HCP-44 (M1)	Hydrogen Generation: Electrolysers for Hydrogen Generation - Development of next generation water electrolyser to generate green hydrogen (DELTAGH)	H2T	Mission	Dr. S. Ravichandran	01-04-2022	30-09-2024	1012.640
HCP-44 (M2)	Next Generation Low Temperature Proton Exchange Membrane Fuel Cell	H2T	Mission	Dr. Harshal Agarwal	01-04-2022	30-09-2024	750.800
HCP-44 (FB R1)	Indigenous Proton Exchange Membrane for Polymer Electrolyte Fuel Cells	H2T	Mission (FBR)	Dr. Santhoshkumar Bhat	01-04-2022	30-09-2024	101.320
HCP-44 (FB R2)	Demonstration and validation of Indigenously developed electrocatalyst for polymer electrolyte fuel cells	H2T	Mission (FBR)	Dr. Vishal Mahesh Dhavale	01-04-2022	30-09-2024	750.800
MLP 1001	Mass transfer of kinetics of copper-based alloys in seawater environment		CSIR-FIRST	Dr. Rakesh C Barik	26-05-2022	31-03-2024	50.040
MLP 1002	AI based investigations of industrial-bio film activity on cathodically protected materials		CSIR-FIRST	Mrs. R. Monika	26-05-2022	31-03-2024	33.200

MLP 1003	Electrified liquid-liquid interface as a facile tool for label free sensing of antioxidant enzymes		CSIR-FIRST	Dr. K. Giribabu	26-05-2022	31-03-2024	47.860
MLP 1004	Electrocatalyst development for the Co-conversion of CO ₂ and H ₂ O to Syngas: Design and Performance evaluation of GDE and core-shell electrocatalysts.		CSIR-FIRST	Dr. M. Kathiresan	26-05-2022	31-03-2024	89.440
MLP 0311	Functional bio-degradable polymers with anti-bacterial properties for tissue engineering applications	4M	FBR	Dr. S. Vengatesan	02-04-2020	31-03-2023	45.000
MLP 0312	Reclamation of spent platinum group metals utilizing hazardous exhaust from plating baths	4M	FBR	Dr. C. Jeyabharathi	02-04-2020	31-03-2023	50.000
MLP 0313	Computationally aided synthesis of artificial receptors: Biomimetic molecularly imprinted polymers (MIPs)	4M	FBR	Dr. Shekhar Hansda	02-04-2020	31-03-2023	40.000
MLP 0315	Tailored 2D supramolecular self-assembled architectures for investigating on-surface catalysis (FBR)	Chemical	FBR	Dr. Saranya Vijayaraghavan	09-07-2020	31-03-2023	79.600
MLP 0316	Sustainable Electrochemical Conversion of CO ₂ to Methanol using Highly Selective Catalytic Electrode/GDE (FBR)	Chemical	FBR	Dr. S. Ravichandran	09-07-2020	31-03-2023	80.000
HCP 26	Surface modification of Ti alloy implants with bioactive, antibacterial & anticorrosive properties	Medical Instruments and Devices	Mission	Dr. Deepak Kumar Pattanayak	08-06-2020	31-03-2023	59.620
HCP 30	Development of Advanced Materials and Devices for Opto-electronic, Biomedical and Strategic Application	Adv. Materials	Mission	Dr. C. Sivakumar	31-07-2020	30-06-2023	144.160
MLP 0318	Tailoring the graphene reinforced PEEK composite based filament for 3D printable structural components (FBR)	Aerospace (AEISS)	FBR	Dr. V. Ravi Babu	30-09-2020	31-03-2024	187.000
MLP 0319	Perovskite Materials for Light Emitting Diode (LED) and Solar Cell (PSC)	Energy (E2D)	FBR	Dr. Subhendu Kumar Panda	21-07-2021	31-03-2023	47.0352
MLP 0320	Organic radical energy storage devices	Energy (E2D)	FBR	Dr. P. Ragupathy	21-07-2021	31-03-2023	85.1200
MLP 0321	Development of electrodes and electrolytes for water electrolysis to generate hydrogen	Energy (E2D)	FBR	Dr. S. Ravichandran	21-07-2021	31-03-2024	127.5000

MLP 0322	High energy density, low cost and environmentally benign redox flow batteries for bulk storage of electricity	Energy (E2D)	FBR	Dr. P. Ragupathy	21-07-2021	31-03-2024	92.8500
MLP 0323	Development of precious metal single atom catalyst and its theoretical validation for low cost polymer electrolyte Fuel Cells	Energy (E2D)	FBR	Dr. Sreekuttan M.U.	21-07-2021	31-03-2023	75.8000
MLP 0324	Extreme fast charging Li-ion battery for E-mobility application	Energy (E2D)	FBR	Dr. R. Sindhuja	21-07-2021	31-03-2023	98.0000
NW P 100	CSIR Integrated Skill Initiative – Phase II	SKILL	SDG	Dr. SM. Rajendran	29-06-2021	31-03-2025	366.736
HCP 0101	CSIR Jigyasa 2 Virtual Laboratory Integration Project	Virtual Lab	CVL	Dr. S. Angappan	14-09-2021	31-03-2023	19.500
MLP 0325	Point of use (POU) filters for Arsenic remediation in drinking water	E3OW	FBR	Dr. R. Malini	19-07-2021	31-03-2023	298.238
HCP -36	Development of plasma sprayed thermal barrier coatings for nozzle guide vanes of small gas turbine; Development of highly adherent erosion and corrosion resistant alloy/ceramic ultrathin multi-layered coatings for aircraft components	AMT	Mission	Dr. C. Arunchandran	09-12-2021	31-03-2024	29.725