

List of PhD Research Scholars Metallurgical and Materials Engineering Department

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Updated On : 21st Oct, 2017

S. No.	Roll No	Name of the Scholar	Guide	Year of admission	Field of Research	Website link
1	MM09D024	Mr. Raja Madhavan	Dr. S.S.Bhattacharya & Dr. A.S. Gandhi & Dr. K.V.G. Kutty (IGCAR)	2009		
2	MM10D007	Mr. Bobu Manuel Jolly	Dr. S.S. Bhattacharya	2010	Nanocrystalline ceramics	
3	MM11D002	Mr. T. Venkateswaran	Dr. G.D. Janakiram	2011	Brazing of metallic materials	
4	MM11D005	Mr. A. Muthuchamy	Dr. G.D. Janakiram	2011		
5	MM11D007	Mr. S. Shanmugam	Dr. M. Kamaraj & Dr. S.K. Seshadri	2011		
6	MM11D010	Mr. N. Naveen Kumar	Dr. G.D. Janakiram & Dr. S. S. Bhattacharya	2011	Dissimilar Metal Joining by Solid State Welding	
7	MM11D014	Mr. Arun M.S.	Dr. Uday Chakkingal	2011	Severe Plastic Deformation	
8	MM11D018	Ms. R. Jayasree	Dr. Sampath Kumar T.S.	2011	Calcium phosphate cements with ion substitution	
9	MM11D022	Mr. Mungara Silvester Raju	Dr. S.S.Bhattacharya	2011		
10	MM11D025	Mr. Prasanna Kumar	Dr. V. Sampath	2011		
11	MM12D001	Mr. Ajay Kumar	Dr. Ranjit Bauri	2012	Testing and Characterization of single cell SOFC system and evaluation of degradation mechanisms	https://home.iitm.ac.in/rbauri/researchgroup.html
12	MM12D003	Ms. N. Indumathi	Dr. S.S.Bhattacharya & Dr. A.S. Gandhi	2012	Alumina based glasses	
13	MM12D004	Mr. G. Logesh	Dr. M. Balasubramanian	2012	Carbon fiber reinforced reaction bonded silicon nitride composites	
14	MM12D005	Ms. K. Madhumathi	Dr. Sampath Kumar T.S.	2012	Calcium phosphate nanobioceramics for drug delivery	https://mme.iitm.ac.in/medmat/
15	MM12D009	Mr. Raghunandan	Dr. M. Kamaraj & Dr. A.S. Gandhi	2012	Rare earth silicate based environmental barrier coatings	
16	MM12D011	Mr. T. T. Saravanan	Dr. M. Kamaraj & Dr. S.C. Sharma (VSSC-ISRO)	2012		https://mme.iitm.ac.in/nvrk/nsrini.php
17	MM12D012	Mr. N. Srinivasan	Dr. Ravikumar N.V. & Dr. R. Velmurugan (AE)	2012	Mechanical behaviour of metallic materials under biaxial tension	

18	MM12D016	Mr. Chiptalluri Omprakash	Dr. M. Kamaraj & Dr. Vikas Kumar Saxena (DMRL)	2012		
19	MM12D017	Mr. Dasari Mohan	Dr. G. Phanikumar	2012	Phase-field simulations of solidification microstructure in multicomponent alloys	https://mme.iitm.ac.in/icme/doku.php?id=icme:mohan
20	MM12D018	Mr. Eranezuth Wasan Awin	Dr. Ravikumar N.V.	2012	Polymer derived ceramics	
21	MM12D021	Mr. Koundinya NTBN	Dr. Ravisankar Kottada	2012	Creep and deformation behavior of materials	
22	MM12D022	Mr. Mayur Vaidya	Dr. B.S. Murty	2012	Thermal stability and diffusion behaviour of high entropy alloys	
23	MM12D025	Mr. Selva Prabhakaran	Dr. S.S. Bhattacharya & Prof. Ramachandra Rao (PH)	2012	Diamond thin film coatings	
24	MM12D027	Ms. Sruthi K	Dr. Prathap Haridoss	2012	Polymer Electrolyte Membrane Fuel Cells - Gas Diffusion Media synthesis & testing	
25	MM12D029	Mr. Rajeev G.P.	Dr. Srinivasarao Bakshi & Dr. M. Kamaraj	2012		
26	MM12D030	Ms. Soumya S	Dr. K.C. Harikumar & Dr. N.V. Ravikumar	2012	Thermodynamic modelling using Calphad approach coupled with first principles	https://mme.iitm.ac.in/icme/doku.php?id=icme:soumya
27	MM12D031	Mr. R. Parthiban	Dr. S. Sankaran	2012	Thermo-mechanical controlled processing of Q&P steels	
28	MM13D002	Mr. Aravindha Babu	Dr. B.S. Murty & Dr. Bhaskar Majumdar (DMRL)	2013		
29	MM13D006	Mr. Anand Sekar R	Dr. Srinivasarao Bakshi	2013	Thermomechanical processing of High Entropy Alloys	
30	MM13D008	Mr. K. Guru Vidyathri	Dr. B.S. Murty & Dr. K.C. Harikumar	2013	Computational thermodynamics for phase prediction in high entropy alloys	https://mme.iitm.ac.in/murty/students
31	MM13D009	Mr. Hanas T	Dr. Sampath Kumar T.S.	2013	Tailoring the Biodegradation of Magnesium Alloy by Electrospun Coatings	
32	MM13D010	Ms. Padmalatha .T.S.R. V.	Dr. Uday Chakkingal	2013		
33	MM13D011	Mr. Rahul R	Dr. Srinivasarao Bakshi	2013	High entropy alloys	
34	MM13D012	Mr. Rajesh Jarugala	Dr. G. Sundararajan & Dr. Ganesh Sundara Raman	2013	High temperature deformation behavior of oxide dispersion strengthened (ODS) steel	
35	MM13D013	Mr. Ramakrishnan R	Dr. G. Phanikumar & Dr. R. Sankara Subramanian (DMRL)	2013	Molecular dynamics and Phase field simulation to study microstructure evolution during solidification	

36	MM13D014	Mr. Rohit Ojha	Dr. K.C. Harikumar & Dr.P. Siva Prasad (Sandvik)	2013	Computational Thermodynamics	
37	MM13D015	Mr. Sankar M	Dr. G. Phanikumar & Dr. Satya Prasad	2013		
38	MM13D017	Ms. Sonia Sharma	Dr. S. Parasuraman	2013		
39	MM13D020	Ms. Vani R	Dr. Prathap Haridoss & Dr. S. Ramaprabhu (PH)	2013	Polymer Electrolyte Membrane Fuel Cells	
40	MM13D201	Ms. Lavanya R	Dr. B.S. Murty & Dr. K. Ravi Sankar	2013	Deformation behaviour of refractory high entropy alloys	
41	MM13D207	Mr. M. Vishnu Teja	Dr. Sabita Sarkar & Dr.Srikrishna Sahu (ME)	2013	Modelling of multiphase turbulent flows	https://mme.iitm.ac.in/icme/doku.php?id=icme:vishnu
42	MM13D208	Ms. K. Sai Rajeshwari	Dr. S. Sankaran	2013	Deformation behaviour of Alloy 602CA	
43	MM13D209	Mr. Mohammed Rashad	Dr. M. Balasubramanian	2013	Development of porous ceramic membrane for water purification	
44	MM13D210	Mr. Aravind U	Dr. Uday Chakkingal & Dr. P. Venugopal	2013	Metal forming	
45	MM13D211	Mr. Anand Joy	Dr. Prathap Haridoss	2013	Vibration damping characteristics of carbon nanotube reinforced polymer composites	
46	MM13D213	Mr. Srishilan C	Dr. Ajay Kumar Shukla	2013	Mathematical Modelling of COREX Process	
47	MM13D301	Ms. Piu Rajak	Dr. Somnath Bhattacharyya	2013	Application of in-line holography from medium to high spatial resolution	https://sites.google.com/site/nanoscopytem/directory
48	MM14D002	Mr. Amitkumar Amarnath Kuril	Dr.G.D. Janakiram & Dr. S. R. Bakshi	2014	Welding of Advanced high strength steels	
49	MM14D003	Mr. Nandha Kumar E	Dr. G.D. Janakiram & Dr. K. Ravisankar	2014	Microstructural Stability of dissimilar weld joint of Ferritic Martensitic steel to Austenitic stainless steel	
50	MM14D004	M. Srinivas	Dr. N. Lakshman	2014	Development of SnCoC anode for Li-ion battery by melt spinning and ball milling	
51	MM14D005	Ms. Aamey Anupam	Dr. K. Ravi Sankar & Dr. B. S. Murty	2014	High entropy alloy coatings	
52	MM14D013	Mr. Sumit Ranjan Sahu	Dr. Prathap Haridoss	2014	Carbon nanohorns based anode material for Li-ion battery	
53	MM14D014	Mr. Venkat Appala Narasayya Ch	Dr.G.D. Janakiram, Dr Manas Mukherjee, Dr D P Mondal (CSIR-AMPRI)	2014	Metallic foams	
54	MM14D015	Mr. Shantharama	Dr. Sreeram K. Kalpathy	2014	Marangoni effect on thin liquid films	

55	MM14D207	Mr. Deepu Mathew John	Dr. G. Phanikumar	2014	Simulation of Microstructure and Property Evolution in DP Steel	https://mme.iitm.ac.in/icme/doku.php?id=icme:deepu
56	MM14D301	Mr. Sandeep Kranthi Kiran A	Dr. Sampath Kumar T.S. & Dr. Double Mukesh (BT) & Prof. Seeram Ramakrishna (NUS Singapore)	2014	Surface Modifications and Surface coatings on biomedical implants	
57	MM14D302	Ms. Shalini Sikkadar	Dr. S.S.Bhattacharya & Prof. Ramachandra Rao (PH)	2014		
58	MM14D401	Mr. R. Jeyaraam	Dr. V. Subramanya Sarma & Dr. Srikanth Vedantam (ED)	2014	Microstructure evolution during Grain Boundary Engineering of Nickel	
59	MM14D404	Mr. Krishna Kumar	Dr. S. Parasuraman	2014	Solid state dewetting of metallic thin films	
60	MM14D405	Ms. Nandhini J.U	Dr. S.S.Bhattacharya	2014		
61	MM14D408	Mr. Ravi Gautam	Dr. G. Sundararajan	2014	Microstructure - Magnetic properties correlation of Fe-P based soft magnetic materials	
62	MM15D001	Mr. Harish S	Dr. G. Sundararajan & Dr. R.Gopalan (ARCI)	2015	Thermoelectrics	
63	MM15D002	Mr. M. Iyappan	Dr. Uday Chakkingal	2015	Influence of groove pressing on the Drawability (r- value) of Aluminium Alloy	
64	MM15D005	Mr. Nithin B	Dr. G. Phanikumar & Dr. M. Sundararaman	2015	High temperature deformation studies of gamma prime strengthen cobalt based super alloy	
65	MM15D006	Ms. Sasikala N	Dr. Prathap Haridoss	2015	Cathodes for Lithium Ion Battery	
66	MM15D007	Mr. Vasu S	Dr. G. Sundararajan	2015	Development of Materials for Lithium ion Battery Energy Storage Applications	https://www.arci.res.in/peoples-caem
67	MM15D010	Mr. Ummen Sabu	Dr. M. Balasubramanian	2015	Development of hierarchical ceramic structures for water purification	
68	MM15D011	Mr. Anil Bandi	Dr. Srinivasa Rao Bakshi	2015	Dissimilar Joining of Mg alloy and Al alloy	
69	MM15D012	Mr. Rahul M.R.	Dr. G. Phanikumar	2015	Solidification studies on high entropy alloys	https://mme.iitm.ac.in/gphani/doku.php/students:rahulmr
70	MM15D013	Ms. N. Maheswari	Dr. S. Sankaran	2015	Quench and Partitioned (Q&P) steels	
71	MM15D014	Mr. Melwin Sajan	Dr. Uday Chakkingal & Dr. Murugaiyan A.	2015	Hot forming of advanced high strength steels	
72	MM15D017	Mr. S.V. Abhinay	Dr. Ganesh Sundara Raman	2015	High temperature fretting wear studies	
73	MM15D019	Mr. Rahul Bhattacharya	Dr. B.S. Murty	2015		
74	MM15D020	Mr. S. Santosh	Dr. V. Sampath	2015	Shape Memory Alloys	

75	MM15D021	Mr. G. Karthick	Dr. B.S. Murty	2015	Austenitic Oxide dispersion strengthened steels	https://mme.iitm.ac.in/murty/students
76	MM15D022	Mr. Karthikeyan S.G.S.	Dr. Ganesh Sundara Raman & Dr. G.D. Janaki Ram	2015		
77	MM15D023	Mr. Rahul Sathyanath	Dr. Sreeram K. Kalpathy	2015	Patterning of colloids and polymers on porous substrates	
78	MM15D024	Mr. Edward Jones	Dr. Uday Chakkingal	2015		
79	MM15D025	Mr. Sudharsanan S	Dr. G D Janakiram & Dr. Murugaiyan A	2016	Engineering weld microstructures against hydrogen embrittlement.	
80	MM15D200	Mr. Shubhashis Dixit	Dr. S. Sankaran	2015	High strain rate deformation behaviour of Titanium alloys	
81	MM15D201	Mr. Agilan M	Dr. G. Phanikumar & Dr.D.Sivakumar (VSSC-ISRO)	2015	Welding and weldability studies on third generation Al-Li alloys	
82	MM15D202	Mr. Nischay Kaushik G	Dr. B.S Murty	2015	Ferritic Oxide Dispersion Strengthened steels	https://mme.iitm.ac.in/murty/students
83	MM15D300	Mr. K. Rangan	Dr. G. Phanikumar & G.L. Samuel, ME	2015	Virtual Manufacturing Process (Simulation and Experimental)	https://mme.iitm.ac.in/gphani/doku.php/students:rangan
84	MM15D302	Mr. G. Manikandan	Dr. Ravikumar N.V. & Dr. Dilip Kumar Sethupathy (PH)	2015		
85	MM15D305	Mr. Bhushankar Talluri	Dr. Tiju Thomas & Dr. Edamana Prasad (CY)	2015	Digestively ripened quantum nanostructures for liquid/gas phase sensing applications	http://tjuthomas.net/research/research-group.php
86	MM15D307	Mr. Priyesh P	Dr. B.S. Murty & Dr. M.S. Ramachandra Rao (PH)	2015		https://mme.iitm.ac.in/murty/students
87	MM15D400	Mr. K.R. Manivannan	Dr. N. Lakshman & Dr. S.R. Bakshi	2015	Joining and Corrosion studies on Dissimilar Aluminium alloys	
88	MM15D404	Mr. Lalith Kumar Bhaskar	Dr. Ravikumar N.V.	2015	Residual Stress measurements in Ceramics using XRD	
89	MM15D405	Ms. Annu Sharma	Dr. S.S.Bhattacharya	2015	Synthesis and characterization of nanocrystalline multicomponent equimolar perovskites	
90	MM15D408	Ms. Kousika	Dr. Tiju Thomas	2015	Complex oxynitrides and its morphological evolution	http://tjuthomas.net/research/research-group.php
91	MM15D410	Mr. G. Mohan Muralikrishna	Dr. B.S. Murty	2015	Thermal Stability and Diffusion Kinetics in High Entropy Alloys	

92	MM15D416	Mr. Lipak Kumar Sahoo	Dr. Sabita Sarkar	2015	Modeling of fluidized bed reactor	
93	MM16D001	Mr. Darshan Chalapathi	Dr. Anand Krishna Kanjarla	2016	Crystal plasticity modelling of plastic deformation in multi-phase materials	https://mme.iitm.ac.in/icme/doku.php?id=icme:darshan
94	MM16D002	Ms. Swathi E	Dr. Sreeram K. Kalpathy	2016	Photoinduced Dewetting of Thin Polymer Films	
95	MM16D003	Ms. Malarvizhi C.	Dr. Sampath Kumar T.S. & Dr. Uday Chakkingal)	2016		
96	MM16D004	Mr. Georgy Kurian K	Dr. Manas Mukherjee	2016	Metallic Foams	
97	MM16D005	Mr. N. Sreenivasulu	Dr. S.S.Bhattacharya	2016	Synthesis of Nanocrystalline Equimolar Multicomponent Metal Oxides	
98	MM16D006	Mr. Sukumar G	Dr. V. Subramanya Sarma	2016	Processing and Deformation Behaviour of Titanium alloys	
99	MM16D007	Mr. M. Kishore Kumar	Dr. Ranjit Bauri	2016	Solid Oxide Fuel Cells	
100	MM16D008	Ms. Kamini	Dr. Ganesh Sundara Raman	2016	High Temperature Fretting	
101	MM16D013	Mr. Adarsh S.H.	Dr. V. Sampath	2016	Synthesis and characterization of Iron based shape memory alloy	
102	MM16D014	Mr. Chiranjit Roy	Dr. Somnath Bhattacharyya	2016	Theory and application of HAADF STEM imaging	https://sites.google.com/site/nanoscopytem/directory
103	MM16D015	Mr. Aviral Bisht	Dr. M. Kamaraj & Dr. M. Okazaki(NUT Japan)	2016	Cold Spray Coatings	
104	MM16D016	Mr. Alwin B	Dr. M. Kamaraj, Dr. Srinivasarao Bakshi	2016	Cold Spray Coatings	
105	MM16D017	Mr. Lokesh Vendra	Dr. Ravikumar N.V.	2016	Advanced supercapacitors	
106	MM16D018	Mr. Peddapuvvula SVR Amrutha Kishor	Dr. Ravisankar Kottada	2016	Creep of advanced superalloys	https://mme.iitm.ac.in/ravisankar/people
107	MM16D200	Mr. Barun Bharadwaj Dash	Dr. S. Sankaran & Dr. M. Sundararaman	2016	Microstructural and Fatigue Studies of Nickel Based Superalloys (718Plus)	
108	MM16D300	Mr. Nitheesh M. Nair	Dr. S. Parasuraman & Dr. Debdutta Ray (EE)	2016	Printed electronic devices	
109	MM16D301	Mr. Nithin M	Dr. Manas Mukherjee & Dr. Basavaraj M Gurappa (CH)	2016	Functional porous materials	
110	MM16D302	Ms. Anbuthangam	Dr. Sampath Kumar T.S. & Dr. Guhan Jayaraman (BT)	2016	bioceramics for protein purification	
111	MM16D303	Mr. Neelakandan Mani	Dr. Prathap Haridoss & Dr. Bobby George (EE)	2016	Footwear based device for Gait Analysis	

112	MM16D400	Mr. M.V.S.S. Raghunath Sharma	Dr. Ravikumar N.V.	2016		
113	MM16D401	Mr. Behara Santoshkumar	Dr. Tiju Thomas	2016	Oxynitrides for water splitting	http://tijuthomas.net/research/research-group.php
114	MM16D404	Mr. Kallem Shekar Reddy	Dr. N. Lakshman	2016		
115	MM16D405	Ms. Bandaru Padmavathi	Dr. Prathap Haridoss	2016	Polymer Electrolyte Membrane Fuel Cells	
116	MM16D406	Ms. Mohammad Mahaboob Jahanara	Dr. S. Parasuraman	2016	Transparent conducting oxides	
117	MM16D407	Ms. Geeta Kumari	Dr. S. Sankaran & Dr. M. Sundararaman	2016	Microstructural and creep studies of Nickel based superalloy (Allvac 718Plus)	
118	MM16D410	Ms. Gorle Revathi	Dr. Srinivasarao Bakshi	2016	Using reactive filler for better sintering of ultra high temperature ceramics	
119	MM16D411	Mr. Peddi Mahender	Dr. M. Kamaraj & Dr. G. Sundararajan	2016	Electrode materials in Lithium-ion batteries	
120	MM16D413	Mr. Mookara Rama Kishore	Dr. Murugaiyan Amirthalingam	2016	Additive Manufacturing	
121	MM16D415	Mr. Muni Bhaskar Siva Kumar	Dr. G. Sundararajan	2016	Nd-Fe-B Hard magnet	
122	MM16D416	Mr. Pritam Banerjee	Dr. Somnath Bhattacharyya	2016	Theory and application of in-line holography	https://sites.google.com/site/nanoscopytem/directory
123	MM16D417	Mr. U. Naveen Kumar	Dr. Tiju Thomas	2016	Supercapacitors, Nano structures for energy	http://tijuthomas.net/research/research-group.php
124	MM17D001	Mr. Asutya Kumar Biswal	Dr. T.S. Sampath Kumar	2017	Metallic Biodegradable material	https://mme.iitm.ac.in/medmat/
125	MM17D002	Mr. Jagadeesh B	Dr.G.D. Janaki Ram	2017	Powder Bed Fusion processing	https://mme.iitm.ac.in/?p=438
126	MM17D003	Mr. Puppala Laxman Mani Kanta	Dr. Satyesh Kumar Yadav	2017	Energy storage materials for sodium ion batteries	http://yadavsatyesh4.wixsite.com/satyeshyadav
127	MM17D004	Mr. Vijayaragavan	Dr. G. Sundararajan	2017		
128	MM17D005	Mr. Manoj S.N.	Dr. Somnath Bhattacharyya	2017	Theory and simulation of transmission electron microscopy imaging	https://sites.google.com/site/nanoscopytem/directory
129	MM17D007	Ms. Niraja Moharana	Dr. G. Phanikumar	2017	Metallurgical Thermodynamics and Kinetics	
130	MM17D010	Ms. Bhuvanansundari S	Dr. Tiju Thomas	2017	nanostructures	
131	MM17D012	Mr. Gollapalli Prince	Dr. Satyesh Kumar Yadav	2017	First-Principles Modeling for Diffused Interfaces	http://yadavsatyesh4.wixsite.com/satyeshyadav

132	MM17D013	Mr. Ummadi Raviteja	Dr. Anand Krishna Kanjarla	2017	Micromechanics of two phase titanium alloys	https://mme.iitm.ac.in/icme/doku.php?id=icme:raviteja
133	MM17D015	Ms. Garikapati Nagasarvari	Dr. Parasuraman Swaminathan	2017	Printed Electronics	
134	MM17D017	Ms. Pothula Vijaya Durga	Dr. Srinivasa Rao Bakshi	2017	Reactive Sintering of multicomponent diboride ceramics	
135	MM17D301	Mr. Sourav Ghosh	Dr. Tiju Thomas & Dr. G. Ranga Rao	2017	Synthesis of heterostructured material and circuit modelling for Supercapacitors	http://tijuthomas.net/research/research-group.php
136	MM17D405	Ms. Terlapu Sai Vani	Dr. Ranjit Bauri	2017		
137	MM17D407	Ms. Ranjana Kumari	Dr. K. Ravi Sankar	2017	Creep behavior of advanced Co-based superalloys.	https://mme.iitm.ac.in/ravi.sankar/people
138	MM17D408	Mr. Tatavarthi Veera Venkata Ramana	Dr. Ravi Kumar N.V. & Dr. Dillip K. Satapathy (Dept. of Physics)	2017	Thermo electric polymer composites	https://mme.iitm.ac.in/nvrk
139	MM17D409	Mr. Gourav Mundhra	Dr. B.S. Murty	2017	Light high-entropy alloys (Light HEAs)	https://mme.iitm.ac.in/murty/students
140	MM17D410	Mr. Achintya Kumar Patra	Dr. V. Subramanya Sarma	2017		