

Department of Metallurgy and Materials Science : **Patent details**

Sr. No	Name of the faculty	Patent details	Status
1	Prof. S.T. Vagge	Indian Patent on 'An improved protective coating composition for hot-dip galvanization of steel' (Patent Number: 256103,02 May 2013).	Granted in 2013
2	Prof. M.J. Rathod	Japanese Patent "Dissimilar Metals joining by Laser Roll Welding and Laser Roll Welding Machine" as Joint collaboration with Industry (Patent Number: 3535152, 19 March 2004)	Granted in 2004
3	Prof. N.B. Dhokey, Prakash Savant, Rajkumar Shelke	Provisional Patent: 1884/MUM/2012 dtd. 29/06/2012 entitled "Iron particles coated with magnesium compounds, process for preparing these iron particles and uses thereof".	Filed
4	Prof. M.J. Rathod Dr.P.G. Ranaware	Provisional patent:4020/MUM/2015 dtd.25/10/2016 on "A system and Method for Centrifugal Air Blast Shot peening"	Filed
5	Prof. N.B. Dhokey, Jay Runwal, Revati Ambekar	provisional patent: e-2/160/2020/mumdated: 21/01/2020: "A mechanical grinding system and process of surface modification of irregular shaped powders".	Filed
6	V.S. Poddar, V.A. Ranawade, N.B. Dhokey	Provisional Patent: E-2/525/2022/MUMDated: 01/04/2021 "Synergy between Photovoltaic, Thermoelectric and Direct Evaporative Cooling to Develop a Novel Hybrid Energy System".	Filed
7	N.B. Dhokey, R. Garbade	Provisional Patent: A process for manufacturing improved iron-based hard facing alloy	Filed
8	M. J. Rathod, S. N. Ingole	Bimetallic Liner for shaped charge application	Filed