

**LIST OF PATENT PUBLISHED TILL DATE**

<b>Sl. No</b>	<b>Publication Number</b>	<b>Title</b>	<b>Inventor</b>	<b>Department</b>	<b>Published</b>	<b>Publication Date</b>	<b>Applicant (IIT(ISM) /Individual)</b>
1	IN200400576I2	DEVELOPMENT OF EFFECTIVE AND ENVIRONMENT FRIENDLY PLANT BASED CORROSION INHIBITORS FOR PROTECTION OF STEEL CASING AND OTHER EQUIPMENT USED IN ACIDIC ENVIRONMENT	Tarkeshwar, Kumar   Vishwanatham, Sunkari   Emranuzzaman	Petroleum Engineering	Published	17-Nov-06	IIT(ISM)
2	IN201401081I2	A HIGH FREQUENCY FULL BRIDGE SERIES RESONANT INVERTER WITH AC INPUT SOURCE	PRADIP KUMAR, SADHU   DEBABRATA, ROY   NITAI, PAL   ARIJIT, BARAL	Electrical Engineering	Published	05-Dec-14	IIT(ISM)
3	IN201401052I2	A SYSTEM FOR INDUCTION HEATED STERILIZATION OF SURGICAL INSTRUMENTS AND A METHOD FOR THE SAME	PRADIP KUMAR SADHU   AGAMANI CHAKRABORTY   NITAI PAL   ATANU BANDYOPADHYAY	Electrical Engineering	Published	05-Dec-14	IIT(ISM)

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4	IN201500025I2	A HIGH FREQUENCY HYBRID RESONANT INVERTER WITH AC INPUT SOURCE	PRADIP, KUMAR SADHU   ANANYO, BHATTACHARYA   VIVEKANANDA, MUKHERJEE   NITAI, PAL	Electrical Engineering	Published	13-Feb-15	IIT(ISM)
5	IN201401321I2	A HIGH FREQUENCY MODIFIED HALF BRIDGE RESONANT INVERTER WITH AC INPUT SOURCE	SADHU, PRADIP KUMAR   PAL, PALASH   PAL, NITAI   BARAL, ARIJIT	Electrical Engineering	Published	13-Feb-15	IIT(ISM)
6	IN201500305I2	A PRACTICAL APPROACH FOR COAL FIRE PREVENTION AND ITS PREDICTION INTEGRATING MACHINE LEARNING AND STATISTICS IN OPENCAST MINES WORKING OVER DEVELOPED PILLARS	SINHA, SATISH KUMAR   PANIGRAHI, DC   BANKA, HAIDER	PCE	Published	17-Apr-15	IIT(ISM)

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7	IN201500682I2	PHOTOVOLTAIC-THERMOELECTRIC-PHOTOVOLTAIC (PV-TE-PV) MULTILAYER DEVICE FOR ENHANCING SOLAR ELECTRIC POWER GENERATION WITH REDUCED AREA REQUIREMENT	Chakraborty, Suprava   Sadhu, Pradip Kumar   Goswami, Utpal	Electrical Engineering	Published	10-Jul-15	IIT(ISM)
8	IN201500445I2	A PACEMAKER BATTERY RECHARGER FOR ENHANCING THE SERVICE LIFE	Sadhu, Pradip Kumar   Halder, Animesh   Pal, Nitai   Ganguly, Ankur   Bhowmik, Prabir   Sadhu, Moumita	Electrical Engineering	Published	10-Jul-15	IIT(ISM)
9	IN201501221I2	AN INDUCTION CURING SYSTEM FOR ROOF TREATMENT WITH ASPHALT CONCRETE TO CURE A CRACK ON ROOF AND A METHOD FOR THE SAME	Sadhu, Pradip Kumar   Neogi, Kaushik   Banerjee, Atanu   Panda, G.   Pal, N.   Jana, K.C	Electrical Engineering	Published	22-Jan-16	IIT(ISM)
10	IN201631000136A	A HIGH FREQUENCY FLY-BACK MULTIZONE RESONANT INVERTER WITH AC INPUT SOURCE FOR MULTI-AREA INDUCTION HEATING	Sadhu, Pradip Kumar   Bhaumik, Kallol   Datta, Avik   Pal, Palash   Chakraborty, Avijit   Nag, Titas Kumar	Electrical Engineering	Published	29-Jan-16	IIT(ISM)

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11	IN201400931I2	AMPHOTERIC XANTHAN GUN/SIO2 HYBRID NANOCOMPOSITE (AMP. XG/SIO2); DEVELOPMENT AND APPLICATION OF A NOVEL ADSORBENT FOR REMOVAL OF CONGO RED DYE (CR DYE) FROM AQUEOUS SOLUTION	PAL, SAGAR   GHORAI, SOUMITA   SARKAR, A	Applied Chemistry	Published	18-Mar-16	IIT(ISM)
12	IN201401007I2	EFFECTIVENESS OF SORBITON MONO OLEATE AS POUR POINT DEPRESSANT ON INDIA WAXY CRUDE OILS	SHARMA, V P   MAHTO, VIKAS   SHARMA, SHIVANJALI	Petroleum Engineering	Published	01-Apr-16	IIT(ISM)
14	IN201500005I2	SYNTHESIS AND CHARACTERIZATION OF ACRYLATE ESTERS AS POUR POINT DEPRESSANTS IN INDIAN WAXY CRUDE OILS	SHARMA, V.P.   VIKAS, MAHTO   SHIVANJALI, SHARMA	Petroleum Engineering	Published	26-Aug-16	IIT(ISM)
15	IN201631036291A	BREATHE ANALYSIS DEVICE FOR HEALTH ASSESSMENT	BAGCHI, SURAJIT   MONDAL, SANJAY   SENGUPTA, SUBHABRATA	Electrical Engineering	Published	04-Nov-16	IIT(ISM)

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16	IN201631035117A	TRIPLE SIGNALING MODE CARBON DOTS- BASED BIODEGRADABLE MOLECULARLY IMPRINTED POLYMER AS MULTI-TASKING VISUAL SENSOR FOR RAPID AND ON-SITE MONITORING OF SILVER ION	MADHURI, RASHMI   PATRA, SANTANU   CHOUDHARY, RAKSHA   ROY, EKTA   SHARMA, PRASHANT KUMAR	Applied Chemistry	Published	04-Nov-16	IIT(ISM)
17	201631037159	A PROCESS FOR THE PREPARATION OF BIO- COAGULANT USING MORINGA OLEIFERA SEED BIOMASS FOR THE REMOVAL OF FINE PARTICLES FROM COAL WASHERY EFFLUENT	Dr. S. R. Samadder, Gaurav Vilas Kapse	Environmental Science & Engineering	Published	05-Apr-18	IIT(ISM)
18	201631037148	SELECTIVE FLOCCULATION OF IRON ORE FROM MIXTURE OF INORGANIC GANGUES USING CARBOXYMETHYL AMYLOPECTIN FUNCTIONALIZED WITH POLY (ACRYLIC ACID)	Dr. Sagar Pal, , Amit Kumar Sarkar, Abhay Sharnkar Patra, Prof. N. R. Mandre	Applied Chemistry	Published	05-Apr-18	IIT(ISM)