

**DETAILS OF PATENT APPLICATIONS FILED AND GRANTED PATENT/S
& Design Applications**

Indian Institute of Technology Tirupati

TABLE 1: LIST OF PATENT APPLICATIONS

S. No.	Title	Application No.	Filing Date	Countries in which patent was filed	Applicant Name(s)	Inventors	Publication Date & Status
1	A system for sustained and controlled release of silver ions and uses thereof	201841015728	26-04-2018	India	IIT Tirupati & VIT Chennai	S.M. Maliyekkal; U. Kannan; P.C. Sabumon & G. Singhal	04-05-2018
2	Method of preparing an environmental-friendly bio-inspired sealant composite and uses thereof	201941031281	02-08-2019	India	IIT Tirupati	S.M. Maliyekkal, M.Nityadharan, Abin Azis, Shibil A.G; Afrah H; Sonali S; Uthra K.	06-08-2021
3	A thermal air sterilizer for air laden with coronavirus	202041016008	10-04-2021	India	IIT Tirupati & Opustayz Hospitality Solutions Pvt Ltd	Thamida Sunil Kumar; V.R. Srikumar; Vasudharani Devanathan & Harshini Chakravarthy	28-05-2021
4	An apparatus and a method of conversion of biomass to glucose	202141022073	17-07-2021	India	IIT Tirupati & ASN Fuels Pvt Ltd	Devarahalli Mudligiriyappa Naveen Giri; Thamida Sunil Kumar; Gooty Venkata Sumanth; Gandluru Krishna Teja & Sudhakar Kaligithi	03-09-2021
5	A system for continuous fermentation of fermentable sugars into alcohol	202141022037	17-07-2021	India	IIT Tirupati & ASN Fuels Pvt Ltd	Devarahalli Mudligiriyappa Naveen Giri; Thamida Sunil Kumar; Gooty Venkata Sumanth; Gandluru Krishna Teja & Sudhakar Kaligithi & Gooty Vijaya Srikar	Awaiting Complete Specification
6	A PROCESS FOR SURFACE COATING THROUGH CASTING WITH SHEET INSERTS	202141059407	20-12-2021	India	IIT Tirupati	Ajay Kumar, Tumula Tirumala	Provisional Application filed
7	PORTABLE OXYGEN GENERATING DEVICE	202211000895	07-01-2022	India	IIT Tirupati & Ruhvenile Biomedical Pvt ltd	Dr. Rajkumar Halder, Dr. Ramesh Karri, Dr. Gouriprasanna Roy, Dr. Kumar Swamy Reddy N, Dr. P. Gandeepan, Dr. Rakesh Kumar Rai	Provisional Application filed

TABLE: 2 LIST OF DESIGN APPLICATION

S. No.	Title	Application No.	Filing Date	Countries in which patent was filed	Applicant Name(s)
1	Integrated design for automated Capacitive Deionization (CDI) System	349450-001	14-09-2021	India	IIT Tirupati
2	Integrated design for automated Capacitive Deionization (CDI) System with IoT	349453-001	14-09-2021	India	IIT Tirupati

TABLE 3: LIST OF GRANTED PATENTS & DESIGNS

S. No.	Title	Patent no.	Granting Date	Countries in which patent was granted	Applicant Name(s)
1	A system for sustained and controlled release of silver ions and uses thereof	345400	28-08-2020	India	IIT Tirupati
2	Integrated design for automated Capacitive Deionization (CDI) System	349450-001	14-09-2021	India	IIT Tirupati