



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**

An Autonomous Institute | Affiliated to Osmania University
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COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

46
years

Department of Biotechnology

Patents granted/published

1. "ANTIBACTERIAL SWELLABLE NANOCOMPOSITE POLYMERIC FILMS"
Inventors: K Dharmalingam, Rajasri Yadavalli, Sai Hari Hara Sudheshna CHUNDURU, Sharvani POKALA, Indian Patent Application No. 202441097799 A, Indian Publication date:20/12/2024
2. "NONSTEROIDAL ANTI-INFLAMMATORY DRUG (NSAD) LOADED HYDROGEL FILMS"
Inventors: K Dharmalingam, Rajasri Yadavalli, G Vijaya Laxmi, Kiran Yellappa Vajanthri, Aishwarya CHERUKU VENKAT SAI, Vaishnavi MOKKAPATI, Kansoth Abhishek NAIK Indian Patent Application No.202441094199 A, Indian Publication date:13/12/2024
3. "ADVANCED GENOMIC EDITING FOR PRECISION AGRICULTURE" Inventors: Dr C Obula Reddy, Dr M A njaneyulu, Patent Application No. 202441086259, Date of Publication:15-11-2024
4. "METHOD OF FABRICATION OF HIGHLY RESILIENT ORGANIC ACID CROSSLINKED CARBOMER BASED HYDROGEL FILMS" Inventors: KOODALINGAM, Dharmalingam,CHITTEPU, Obula Reddy,MALLEBOYINA, Sai Sahithi,CHERUKU, Samhitha,with Indian Patent Application No.202441029006,Indian Publication date:19/04/2024
5. "A METHOD FOR DEVELOPMENT OF SUSTAINABLE PACKAGING FROM SEaweeds AND BIODEGRADABLE COMPOSITION THEREOF" by Inventors Rajasri Y, K. Dharmalingam, Nitin Ratnam Badhe, Banalla Shreya, with Indian Patent Application No. 202441044350, Indian Publication date: June 14, 2024.
6. "SWELLABLE HYDROGEL FILMS INCORPORATED WITH QUATERNARY AMMONIUM COMPOUNDS"Inventors: K. Dharmalingam, Rajasri Yadavalli, G. Vijaya Laxmi Kiran Yellappa Vajanthri. Application Number: 202341034437,Filing Date: 17/05/2023 at the Indian Patent Office
7. "MICROBIAL PIGMENT COMPOSITION AS NUCLEIC ACID STAINING AGENT",Inventors: Arunachalam Kalirajan, Yadavalli Rajasri, Sharma Neha, Shanmugam Rajesh Kumar, Amirtham Jacob Appadorai Ranjitsingh,Indian patent application No: 202241004271A,Published on: 4/2/2022