



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Affiliated to Osmania University

**Department of Biotechnology**

## Patent Granted/Published

SI No	Title	Faculty Name	Application No	Date of Publication	Status
1	Neonatal Fitness Patch Device To Measure And Monitor Health Parameters Of Newborn Baby	Dr Sanjeeb Kumar Mandal	20 2022 102 678 (IPC A61B5/00)	13.06.2022	Granted
2	Aquatic fauna flora health management device	Dr S. Sumithra	459922-001 (CBR No: 211069)	23.05.2025	Granted
3	Environmental Nano-Toxicology Measuring Device	Dr S. Sumithra	Design number: 6442192	14.05.2025	Published
4	Multi-Dimensional Differential Equation Solver For Complex Physical Simulations	Dr C. Obula Reddy	202541013847 A	28.02.2025	Published
5	Antibacterial swellable nanocomposites polymeric films	K. Dharmalingam, Y. Rajasri, C. Sri hari hara sudheshna and P. Sharvani	202441097799A	20.12.2024	Published
6	Nonsteroidal anti-inflammatory drug (NSAD)loaded hydrogel films	K. Dharmalingam, Y. Rajasri, G. Vijaya Laxmi, V. Kiran Yellappa, CVS Aishwarya, M. Vaishnavi, K. Abhishek Naik	202441094199A	13.12.2024	Published
7	Advanced genome editing for precision agriculture	Dr C. Obula Reddy and Dr Anjaneyulu Musini	202441086259A	15.11.2024	Published
8	A method for development of sustainable packaging from sea weeds and biodegradable composition thereof	Y. Rajasri, K. Dharmalingam, Nitin Ratnam Badhe, Banalla Shreya	202441044350 A	14.06.2024	Published
9	Method of Fabrication of highly resilient organic acid crosslinked	K. Dharmalingam, C. Obul reddy, M. Sai sahithi and C. Samhitha	202441029006 A	19.04.2024	Published



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	carbomer based hydrogel films				
<b>10</b>	Swellable hydrogel films incorporated with quaternary ammonium compounds	K. Dharmalingam, Y. rajasri, G. Vijaya Laxmi, YV Kiran	202341034437A	30.06.2023	Published
<b>11</b>	Microbial Pigment composition as nucleic acid staining agent	Kalirajan Arunachalam, Rajasri yadavalli, Neha Sharma, Rajesh Kumar, Ranjith Singh	202241004271A	04.02.2022	Published