



DEPARTMENT OF BIOTECHNOLOGY

Ashoka Institute of Technology and Management, Varanasi

PROJECT PATENTS RECORD (Year: 2025-26)

Innovating Today, Sustaining Tomorrow

S.No.	Title of Project/Patent	Inventor(s)	Patent/Applicati No.	Date of Filing	Date of Publication
1	A method for enhancing salinity stress tolerance in Vicia faba using exogenous gamma-aminobutyric acid application.	1) Ms. Anamika Mangalam 2) Mr. Hari Om Yadav 3) Ms. Meenakshi Singh 4) Ms. Rinki Kushwaha 5) Ms. Tanya Singh 6) Dr. Farhan Ahmad 7) Dr. Arjun Kumar 8) Dr. Sarika Shrivastava	IN202611010232 A1/ 202611010232 A	31/01/2026	13/03/2026
2	A Method for Isolation, Characterization and In-Silico Validation of Cellulase-Producing Bacteria from Waste-water.	1) Mr. Abhishek Chaubey 2) Ms. Kaynat Salimi 3) Ms. Afia Aleeza Khan 4) Ms. Pranjal Yadav 5) Ms. Soumya Singh 6) Er. Ritesh Jaiswal 7) Er. Shubham Yadav 8) Dr. Sarika Shrivastava	IN202611010228 A1/ 202611010228 A	31/01/2026	13/03/2026
3	Method for isolating, screening and characterizing soil derived protease producing bacterial strains	1) Ms. Shreya Gupta 2) Ms. Aditi Singh 3) Mr. Akash Gupta 4) Ms. Sakshi Tiwari 5) Ms. Khushi Sahu 6) Er. Shiny Jaiswal 7) Er. Arpita Singh 8) Dr. Sarika Shrivastava	IN202611010229 A1/ 202611010229 A	31/01/2026	13/03/2026
4	Extraction of Onion Seed Oil and Its Antimicrobial and Biological Activity against Microbial Consortia	1) Ms. Anshika Singh 2) Mr. Himanshu Upadhyay 3) Ms. Krishna Raj Soni 4) Ms. Shagun Singh 5) Ms. Srishti Soumya 6) Er. Arifa Siddiqui 7) Dr. Sumedha Ojha 8) Dr. Sarika Shrivastava	IN202611009619 A1/ 202611009619 A	30/01/2026	13/03/2026
5	Integrated Method and System for Isolation, Characterization, and Computational Validation of Amylase Producing Microorganisms.	1) Mr. Ankit Arya 2) Ms. Hema Yadav 3) Ms. Nidhi Singh 4) Mr. Raunak Singh 5) Ms. Deepika Varma 6) Er. Arpita Singh 7) Er. Shiny Jaiswal 8) Dr. Sarika Shrivastava	IN202611009792 A1/ 202611009792 A	30/01/2026	13/03/2026
6	An Eco-Friendly Process for Biosynthesis of Silver Iron Bimetallic Nanoparticles Using Vachellia nilotica.	1) Mr. Abhishek Kumar Yadav 2) Ms. Isha Pandey 3) Ms. Kajal Mishra 4) Mr. Mohammad Faiz Ansari 5) Ms. Shweta Thakur 6) Dr. Arjun Kumar 7) Dr. Farhan Ahmad 8) Dr. Sarika Shrivastava	IN202611010234 A1/ 202611010234 A	31/01/2026	13/03/2026
7	Natural Flower Extract-Based Antimicrobial Compositions and Methods for Their Preparation and Use.	1) Mr. Allen Denis 2) Mr. Amit Kumar Singh 3) Mr. Badal Singh Yadav 4) Ms. Kajal Kushwaha 5) Ms. Siddhi Mani Tripathi 6) Er. Shubham Yadav 7) Er. Ritesh Jaiswal 8) Dr. Sarika Shrivastava	IN202611010233 A1/ 202611010233 A	31/01/2026	13/03/2026
8	Method for Isolation and Use of Root Nodule Bacteria from Legumes to Enhance Plant Growth.	1) Mr. Aditya Kumar Yadav 2) Ms. Arpita Singh 3) Mr. Kashi Yadav 4) Ms. Kaveri Shivastawa 5) Mr. Sarvesh Kumar 6) Dr. Sumedha Ojha 7) Er. Arifa Siddiqui 8) Dr. Sarika Shrivastava	IN202611010231 A1/ 202611010231 A	31/01/2026	13/03/2026

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