

**37th M.P. Young Scientist Congress**  
**March 14-17, 2022**

**List of Awardees**

S/N	Unique ID	NAME	Award	Discipline	INSTITUTE	Research Paper Title
1	37145	PRABHA PRAVEEN RAI KALAL	First	Agricultural Sciences	DEVI AHILYA UNIVERSITY, INDORE	ZnO nanopriming improves seedling growth and plant photosynthetic efficiency of wheat ( <i>Triticum aestivum</i> ) through ROS signaling under drought stress
2	37227	SUBEESH A	Second	Agricultural Sciences	ICAR-CENTRAL INSTITUTE OF AGRICULTURAL ENGINEERING, BHOPAL	Artificial intelligence for Indian orchards: deep learning based computer vision approach for yield estimation of mandarin oranges
3	37238	OENDRILA CHATTERJEE	First	Chemical Sciences	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL	Dynamic Self-Assembly of Photo-reduced Perylene diimide Directs Single-Component White Light Emission
4	37248	SURYA DEV MISHRA	First	Chemical Sciences	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL	Gly tag technology for metal free protein purification
5	37230	SAURABH GUPTA	First	Civil Engineering	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, BHOPAL	Simulating, Forecasting, and Reducing Traffic Congestion at Polytechnic Chauraha in the city of Bhopal
6	37217	SANA AKBAR	First	Computer Science Engineering and Information Technology	MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL	Quantum Machine Learning Based Community Detection for Analysis of Biodiversity Change
7	37225	KANAK NARAYAN MOHARIR	First	Earth and Atmospheric Sciences	INDIAN INSTITUTE OF FOREST MANAGEMENT, BHOPAL	Evaluation of climate change impacts on land use and land cover, and land surface temperature using Machine learning approach: Case study of Bundekhand region (MP)
8	37134	CHANDRABHAN PATEL	First	Electrical and Electronics Engineering	INDIAN INSTITUTE OF TECHNOLOGY INDORE	2D TMD Based Biomedical Handheld Sensor for Smart Health Monitoring via IOT
9	37143	SANDEEP CHOUDHARY	Second	Electrical and Electronics Engineering	INDIAN INSTITUTE OF TECHNOLOGY INDORE	Development of an embedded system for real-time milk spoilage monitoring and adulteration detection

10	37206	ANAM KHAN	First	Environmental Sciences	CSIR-ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE, BHOPAL	Sustainable Recycling of Marble Waste for the Development of Low Density Polyethylene Composites via Injection Moulding for Advanced Applications
11	37262	PREETI SAGARIKA	First	Life Sciences	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL	Cellular protein quality control is sensitive to levels of Caj1; a class II J-domain protein in budding yeast
12	37358	HARVINDRA SINGH	First	Mathematical Sciences	PDPM INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING, JABALPUR	Spectral approximation for elliptic eigenvalue problem on non-smooth domain
13	37264	PUSHPANJAY KUMAR SINGH	First	Mechanical Engineering	INDIAN INSTITUTE OF TECHNOLOGY INDORE	Experimental and Numerical Investigation of Multiple-orifice Synthetic jet Impingement Cooling with Different Wave Patterns
14	37265	SILVIYA SARAH LAL	First	New Biology (Biotechnology, Biochemistry, Biophysics, Bioinformatics and Molecular Biology)	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL	Understanding the functional specificity of cytosolic Class I J-domain proteins, atDjA1 and atDjA2 in <i>A. thaliana</i> .
15	37251	NEVEDHA RAVINDRAN	Second	New Biology (Biotechnology, Biochemistry, Biophysics, Bioinformatics and Molecular Biology)	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL	B-box protein BBX32 integrates light and brassinosteroid signals to inhibit cotyledon opening
16	37215	OMKAR UMESH KINKAR	Second	New Biology (Biotechnology, Biochemistry, Biophysics, Bioinformatics and Molecular Biology)	RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY, INDORE	Structural Insights of Txp40 from <i>Xenorhabdus nematophila</i> , a potent insecticidal toxin against <i>Galleria mellonella</i> .
17	37117	ANKITA TIWARI	First	Pharmaceutical Sciences	DR. HARISINGH GOUR UNIVERSITY, SAGAR	Dual drugs loaded surface-modified liposomes entrapped in alginate beads for oxaliplatin-resistant colon cancer therapy
18	37224	SUVODEEP PAUL	First	Physical Sciences	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL	Quantum many-body interactions in two-dimensional materials: A Raman study
19	37137	SHIKHA RANI SAHU	Second	Physical Sciences	UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH, INDORE	Multiple exciton generation and giant external quantum efficiency in VO <sub>2</sub>

20	37317	RIYANKA KARMAKAR	Third	Physical Sciences	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL	Low Threshold Multiple Carrier Generation in Atomically Thin MoS <sub>2</sub> with Quantum Efficiency Exceeding 100%
21	37271	SONALI RAJPUT	First	Plant Sciences	GOVT. MADHAV SCIENCE P.G. COLLEGE, UJJAIN	IN VITRO CULTURE OF BACOPA MONNIERI AND EFFECT OF PLANT GROWTH REGULATORS (PGRS) AND UV -B SUPPLEMENTATION ON GROWTH OF ITS CALLUS
22	37167	SHRUTI BHATT	First	Veterinary Science and Animal Husbandry	COLLEGE OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY, NDVSU, JABALPUR	Therapeutic efficacy of Ocimum sanctum and Tinospora cordifolia for acute hepatitis in young dogs
23	37196	PRAVESH KUMAR DWIVEDI	Second	Veterinary Science and Animal Husbandry	COLLEGE OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY, NDVSU, JABALPUR	DIAGNOSIS AND TREATMENT OF BENIGN PROSTATIC HYPERPLASIA IN CANINE