



**Dr. Babasaheb Ambedkar Marathwada University,  
Chhatrapati Sambhajnagar**



**List of Recommended Research Projects for Financial Assistance  
Under PM-USHA (MERU) – 2025-2026**

Sr. No.	Name of PI	Name of Department	Title of Research Project
1.	Dr. K. P. Haval	Chemistry	Design and Development of Novel 1,2,3-Triazole Hybrids with Anti-Colon Cancer Activity
2.	Dr. A. S. Rajbhoj	Chemistry	Exploring the Potential of Metal Doped Ti-Cu oxide and Ti-Ce oxide Nanocomposites for Microplastic Degradation
3.	Dr. B. R. Sathe	Chemistry	Biomass Conversion on hybrid nanoelectrodes to sustainable chemicals and coproduction of hydrogen: an economic and environmental perspective towards clean energy
4.	Dr. A. S. Chavan	Chemistry	Multifaceted Investigation of Novel 1,3,4-Oxadiazole Derivatives: Design, Molecular Docking, Density Functional Theory Study, Synthesis, Biological Assessment
5.	Dr. B. B. Shingate	Chemistry	Design, synthesis, and bio-evaluation of heterocyclic monocarbonyl analogues of curcumin (MAC)
6.	Dr. S. G. Shankarwar	Chemistry	Design and Synthesis of Heterogeneous Heteropoly acids for enhanced catalytic activity in organic transformation
7.	Dr. M. K. Patil	Chemistry	Development of multidimensional smart materials for photocatalytic and non-photocatalytic applications
8.	Dr. R. M. Tigote	Chemistry	Structural Engineering of Graphene-Metal-Based Ferrite Nanomaterials for Enhanced Photocatalytic and Supercapacitor Applications
9.	Dr. S. S. Bhusari	Chemical Technology	Oral Bioavailability enhancement of Paliperidone using plant-based bio-enhancer(s) and its propolisosomal drug delivery system
10.	Dr. P. P. Dixit	Microbiology	Design, Synthesis, and Screening of Heterocyclic Molecules Against Multidrug-Resistant Bacteria
11.	Dr. R. M. Khobragade	Microbiology	Bioleaching of PCM e-waste using Microbial Consortia
12.	Dr. N. P. Patil	Water and Land Management	Qualitative assessment of climate- Resilient and climate-smart agricultural practices in Dharashiv district of Maharashtra state
13.	Dr. C. N. Mahender	Computer Science & IT	Developing Digital Study Kits for Playful Learning amongst students with intellectual Disabilities and analyzing the influence of Persuasion factors in study groups
14.	Dr. P. L. Yannawar	Computer Science & IT	Synchronization of audio & video data for synthetic audio-visual speech recognition system in multimedia environment
15.	Dr. S. B. Kulkarni	Computer Science & IT	Soil Quality Assessment for Crop Rotation Recommendation using Non-Destructive Approaches
16.	Dr. M. R. Baheti	Computer Science & IT	Speech corpus of isolated words in Marathi for normal speech and speech-disabled persons
17.	Dr. G. D. Khedkar	Paul Hebert Centre for DNA Barcoding & Biodiversity Studies	Uterine Microbial Dysbiosis: Implications for Recurrent Implantation Failure and ART Success





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18.	Dr. P. B. Undre	Physics	Biofunctionalized semiconducting metal oxide nanomaterials for multifaceted application in the environment and biomedicine
19.	Dr. O. S. Jadhav	Statistics	Statistical Analysis and optimization modelling for E-Waste management in Chhatrapati Sambhajinagar City.
20.	Dr. M. T. Sawant	Tourism Administration	A study of the tourism ecosystem at selected World Heritage Forts associated with the life of Chhatrapati Shivaji Maharaj
21.	Dr. R. N. Ragde	Tourism Administration	A study of development of Ambedkar tourism in the global prospective
22.	Dr. S. T. Shirsath	Public Administration	Transforming Higher Education Pedagogy in Humanities: an analytical study on the integration of soft skills and life skills in alignment with NEP 2020 in Maharashtra
23.	Dr. P. S. Amrutkar	Political Science	Public Health Services for tribal Women in Maharashtra: An Empirical study of Delivery mechanisms and the integration of Artificial Intelligence (AI)
24.	Dr. M. V. Suryawanshi	Geography	Geospatial study of crop distribution and zonation in Nashik District
25.	Dr. S. S. Rathod	Hindi	बंजारा जाती के लोकगीतों का समाज शास्त्रीय अध्ययन (जालना जिले के विशेष संदर्भ में)
26.	Dr. P. B. Pagare	Education	Development of an Edu-entertainment program for teacher educators in Chh. Şambhajinagar District

Date: 18/08/2025

Place: Chhatrapati Sambhajinagar

**Registrar**