

JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (A), PERIYAKULAM

RESULTS FOR JACFRP - 2025-'26

Faculty members selected for the sanction of Research Projects

1. Mrs. J. Sharmila, Assistant Professor of English
Title: A Western Critique of the East and an Eastern Critique of the West: A Biblical and Postcolonial Reflection on John Dryden and Mahatma Gandhi.
2. Mrs. R. Sivasakthi, Assistant Professor of Commerce
Title: Technology adoption and its impact on online shopping behaviour among generation Z college students in Theni District.
3. Mrs. B. Jasmine, Assistant Professor of Computer Science
Title: CNN-RNN Fusion Networks for Deep Visual Understanding.
4. Mrs. K. Rani, Assistant Professor of Computer Science
Title: Smart Segregation Unit Plant for Automated Waste Management Using IoT and AI.
5. Mrs. A. Kavia, Assistant Professor of BCA
Title: Leveraging AI-powered test case generation for improved coverage in web applications.


Project Development Officer

NCC/GD/14310097
Capt. Dr. L. Merlin Dayana
Associate NCC Officer
Assistant Professor in Zoology
J.A. College for Women (Autonomous)
Periyakulam-625 601, Theni (Dt.)


Principal

PRINCIPAL
Jayaraj Annapackiam College
For Women (Autonomous)
Periyakulam - 625 601
Theni District, Tamilnadu

JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (A), PERIYAKULAM

RESULTS FOR JACFRP - 2025-'26

Supervisors and Students/Scholars selected for the sanction of Research Projects

1. **Supervisor: Dr. J. Arul Irudaya Jayanthi, Associate Professor of Tamil**
Title: அரு. ராமநாதனின் 'வீரபாண்டியன் மனைவி' நாவல் - ஒரு பண்பாட்டு ஆய்வு
Students/Scholars: P. Nandhini, Research Scholar
2. **Supervisor: Dr. J. Arul Irudaya Jayanthi, Associate Professor of Tamil**
Title: தேவி பாரதியின் நாவல்களில் சமூக வாழ்வியல்
Students/Scholars: A. Rajalakshmi, Research Scholar
3. **Supervisor: Dr. K. Jency Priya, Assistant Professor of Mathematics**
Title: Data encryption through intuitionistic fuzzy graphs: A novel approach for safe data transfer.
Students/Scholars: S. Dharani, II M.Sc Maths
4. **Supervisor: Dr. A. Juliet Christina Mary, Assistant Professor of Physics**
Title: Sustainable fabrication of Nickel MOFs using plant extracts in solvothermal route for high performance supercapacitors.
Students/Scholars: R. Reena Jasmin and K. Jeyasri, II M.Sc Physics
5. **Supervisor: Dr. A. Juliet Christina Mary, Assistant Professor of Physics**
Title: Solvothermally synthesized Ni based-MOF electrode materials for hybrid supercapacitor applications.
Students/Scholars: A.B. Shanmugapriya, Research Scholar (Physics)
6. **Supervisor: Dr. D. Arockia Jency, Assistant Professor of Physics**
Title: Metal oxide nanocomposite for SERS detection of organic pollutants in real samples.
Students/Scholars: R. Kavya, Research Scholar (Physics)
7. **Supervisor: Dr. M. Kalanithi, Vice Principal & Associate Professor of Chemistry**
Title: 2- Amino benzimidazole scaffold Schiff bases and their copper (II) complexes: Biomolecular interaction studies.
Students/Scholars: A. Krishnaveni, Research Scholar (Chemistry)
8. **Supervisor: Dr. C. Mary Anbarasi, Head & Associate Professor of Chemistry**
Title: Sustainable corrosion inhibitors: Comparative analysis.

Students/Scholars: S. Meena, Research Scholar (Chemistry)

9. Supervisor: Dr. L. Merlin Dayana, Assistant Professor of Zoology

Title: Efficacy of *Ocimum tenuiflorum* leaf extract against sugarcane wooly aphid.

Students/Scholars: R. Priya, Research Scholar (Zoology)

10. Supervisor: Dr. L. Merlin Dayana, Assistant Professor of Zoology

Title: Sustainable management of sugarcane root borer (*Chilo infuscatellus*) using non-chemical approaches.

Students/Scholars: S. Surega, II M.Sc Zoology

11. Supervisor: Dr. A. Anitha Mary, Assistant Professor of Zoology

Title: Application of curd isolated Lactobacillus spp., in black soldier fly larvae- enriched compost feed for improving quail growth and health.

Students/Scholars: S. Priyadharshini, II M.Sc Zoology

12. Supervisor: Dr.Sr. R.Shantha Mary Joshitta, Secretary & Assistant Professor of Computer Science

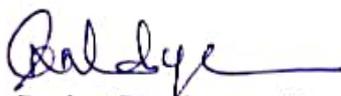
Title: Machine learning-based framework for fake news detection and classification.

Students/Scholars: P. Ramalashmi, II M.Sc Computer Science

13. Supervisor: Dr.Sr. R.Shantha Mary Joshitta, Secretary & Assistant Professor of Computer Science

Title: Smart and secure IoT data encryption in resource-constrained devices.

Students/Scholars: E. Harisha, I M.Sc Computer Science



Project Development Officer

NCC/GD/14310097
Capt. Dr. L. Merlin Dayana
Associate NCC Officer
Assistant Professor in Zoology
J.A. College for Women (Autonomous)
Periyakulam-625 601, Theni (Dt.)



Principal
PRINCIPAL
Jayaraj Annapackiam College
For Women (Autonomous)
Periyakulam - 625 601
Theni District, Tamilnadu