

JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (A), PERIYAKULAM

RESULTS FOR JACFRP - 2024-'25

Faculty members selected for the sanction of Research Projects

1. Ms. S. Maria Steffi

Assistant Professor of Physics

Title: Synthesis of Al Doped Nickel Oxide Nanoparticles and their photocatalytic activity against Malachite Green Dye

2. Mrs. V. Nithya

Assistant Professor of Commerce (C.A)

Title: Marketing Practices and Problems of MSME with reference to selected Dood Products in Coimbatore District, Tamil Nadu

3. Mrs. P. Muthu Pandeewari

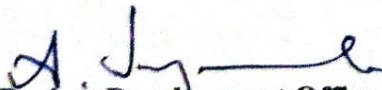
Assistant Professor of Computer Science

Title: Creation of AGRITRACK for Millets Supply Chain of Theni District using Blockchain Technology

4. Mrs. V. Vanitha

Assistant Professor of Computer Science

Title: IMEPRNSA: Integrated Management and Early Prediction of Root- knot Nematodes in Sustainable Agriculture


Project Development Officer

Dr. A. JEGATHA CHRISTY
Associate Professor of Physics
Jayaraj Annapackiam College
for Women (Autonomous)
Periyakulam-625 601


Principal

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

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


1. **Supervisor:** Dr. D. Rajaseeli, Assistant Professor of Tamil
Title: சங்க இலக்கியத்தில் எண்தொகை உணர்த்தும் வாழ்வியல்சார் அடையாளங்கள்
Students/Scholars: M. Nagalakshmi, Research Scholar of Tamil
2. **Supervisor:** Dr. D. Rajaseeli, Assistant Professor of Tamil
Title: கவிஞர் நா. காமராசன் புதுக்கவிதைகளில் காணலாகும் வாழ்வியல் கூறுகள்
Students/Scholars: S. Annalakshmi, Research Scholar of Tamil
3. **Supervisor:** Dr. K. Sakaya Gracy , Assistant Professor of Tamil
Title: இமையம் நாவல்களில் பெண்ணிய கட்டமைப்பும் கட்டுடைப்பும்
Students/Scholars: M. Saradha, Research Scholar of Tamil
4. **Supervisor:** Mrs. D. Abinaya, Assistant Professor of Mathematics
Title: Boosting classification accuracy: Eigen-enhanced clustering and SVM with confusion matrix validation
Students/Scholars: D.S. Asmitha, II M.Sc Mathematics
5. **Supervisor:** Dr. Sr. S. Jesurani , Principal and Associate Professor of Physics
Title: Enhanced photocatalytic activity of transition metal doped ZnO Nanoparticles
Students/Scholars: S. Sulthana Sabura, Research Scholar of Physics
6. **Supervisor:** Dr. A. Jegatha Christy, Associate Professor of Physics
Title: Harnessing of Ternary nanocomposite for clean water
Students/Scholars: S. Gayathri, Research Scholar of Physics
7. **Supervisor:** Dr. M. Kalanithi, Associate Professor of Chemistry
Title: Studies on Co(II), Ni(II), and Cu(II) complexes of Azo based Schiff Base ligand
Students/Scholars: C. Kanagavalli, Research Scholar of Chemistry
8. **Supervisor:** Dr. M. Kalanithi, Associate Professor of Chemistry
Title: Schiff based anthracene Carbaldehyde and its metal (II) complexes for sensor and biological applications
Students/Scholars: A. Krishnaveni, Research Scholar of Chemistry
9. **Supervisor:** Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor of Zoology
Title: Budget friendly AI and IOT for a self-regulating cultivation environment to increase the yield of Milky and Oyster mushroom
Students/Scholars: A. Gunavathi, II M.Sc Zoology

10. **Supervisor:** Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor of Zoology
Title: Extraction and Characterization of Biopolymers from different Mushroom for sustainable Paper cup production
Students/Scholars: M. Gowsalya, II M.Sc Zoology
11. **Supervisor:** Mrs. S. Deva Shanthi , Assistant Professor of Zoology
Title: AI and IOT integrated Self regulating environment control system for vermicomposting and Vermi wash production
Students/Scholars: S. JanaRanjani, II M.Sc Zoology
12. **Supervisor:** Sr. Sahaya Sarojini, Assistant Professor of Computer Science
Title: JACTALK: A Chatbot for JA College Website
Students/Scholars: S. Sharmila Shree, II M.Sc Computer Science
13. **Supervisor:** Ms. R. Aishwarya, Assistant Professor of Computer Science
Title: Development of AI driven career counselling tool for JAC
Students/Scholars: V. Kohila Vani, II M.Sc Computer Science



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