



Arul Anandar College (Autonomous)

Newsletter of Research & Development Cell

RESEARCH SPECTRUM

Issue 1, March 2026



NEWSLETTER

RESEARCH SPECTRUM

Editor's Desk

Research Spectrum is a platform that showcases the diverse research activities, innovations, and scholarly contributions of our institution. It reflects the collective efforts of faculty, researchers, and students in advancing knowledge across disciplines. Through this newsletter, we aim to foster a vibrant research culture, encourage collaboration, and highlight impactful ideas that contribute to academic excellence and societal development.

Gratitude to Former Deans of Research

The Research Council was first established in our college in the year 2017. Dr. George Joseph, Associate Professor of Philosophy was first appointed as the first Dean Research for the academic year 2017-18. Dr. Ambudoss Arvind, Associate Professor of Rural Development Science was shouldered the responsibility from 2018-2021. Dr. S. P Malarkannan served as Dean of Research from 2021-2025. The management expresses their appreciation towards the service rendered for their meticulous contributions towards the development of research endeavours at our institution.



Dr. M. George Joseph
2017-2018



Dr. A. Ambudoss Aravind
2018 -2021

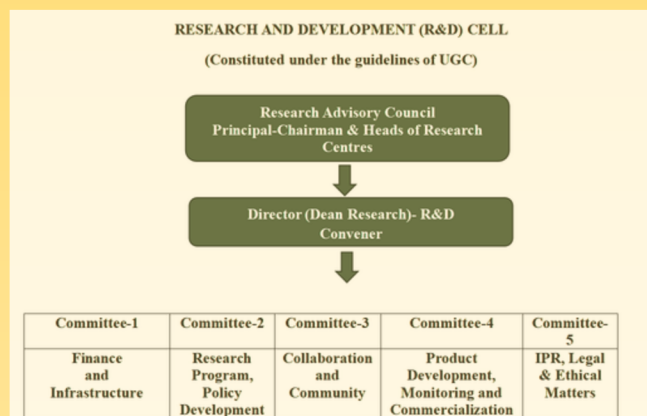


Dr. S.P Malar Kannan
2021-2025



Constitution of Research & Development Cell

The Research and Development (R&D) Cell, constituted as per UGC guidelines, functions under the guidance of the Research Advisory Council chaired by the Principal and Heads of Research Centres. The Director (Dean–Research) serves as the R&D Convener, coordinating all research activities. The Cell operates through five specialized committees focusing on finance and infrastructure, research programs and policy development, collaboration and community engagement, product development and commercialization, and IPR, legal, and ethical matters to promote a strong and structured research ecosystem.



Vision

To foster a culture of innovation and excellence in research for sustainable societal and inclusive development.

Mission

To promote quality research, interdisciplinary collaboration, and knowledge dissemination through innovative projects and industrial partnerships.

Objectives

- Encourage faculty and student-led research initiatives.
- Facilitate industry–academia collaboration for applied research.
- Support publication, patenting, and commercialization of innovations.
- Provide resources and training to enhance research competencies.
- Align research activities with national and global priorities.



Members of Research & Development Cell

The following faculty members of various departments served as the active members of R & D Cell for the academic year 2025-26



Rev Dr Anbarasu M, SJ
Principal, (Chairman)



Dr. Nivetha Martin
Dean-Research, (Convener)



Dr.S. Rajeswari
Asst. Prof. Commerce



Rev.Dr.T. Elphinston Kishore
Asst. Prof. Philosophy



Dr.P. Nallathambi
Asst. Prof. History



Dr. S. Sankaranarayanan
Assistant Professor, Economics



Dr.M. Amalraj
Asst. Prof. Chemistry



Dr.C. Justin David
Asst. Prof. RDS



Dr.P. Revathi
Asst. Prof. FST



Dr.I. Inigo Valan
Asst. Prof. Physics



Dr.R. Vinoth Kumar
Asst. Prof. Com. Sci



Dr.P. Xavier
Asst. Prof. English



Dr.D. Malar Vizhi
Asst. Prof. Tamil

Research & Ethics Committee

This committee oversees the planning, promotion, and quality assurance of all research activities in the institution. It formulates research policies, facilitates collaborations, and ensures adherence to ethical guidelines in every project. The committee safeguards the integrity, transparency, and societal relevance of research, with a special focus on addressing local and rural needs.



Rev Dr Anbarasu M, SJ
Principal, (Chairman)



Dr. Nivetha Martin
Dean-Research, (Convener)



Dr.S. Arul Prasad
Dean-Academic



Dr.A. Shanmugaraju
Asso. Prof. &
Head of Physics



Dr. S. Valanrasu
Associate Professor, Physics



Dr. J. Bosco
Librarian



Ms. M. Anushya
Arts Scholars (Economics)



Fr. J. Mark Stephen
Arts Scholars (Philosophy)



Mr.S. Aswin Amirtha Raj
Science Scholars (Physics)



Research Centres

S.No	Research Centres	Ref. No & Date of Approval
1	Department of RDS	No.R.3/MKU/Recog.of Dept./BSc/RD/'2K./55 (14.11.2000)
2	Department of Economics	No: R.3/MKU/Recog.of Dept./Eco/'01/61 (06.06.2001)
3	Department of Physics	R1/Ph.D/Centre Recognition/Physics/11 (14.06.2013)
4	Department of Philosophy	Ref No: S6/Ph.D./Cen/Reco./Philosophy/22 (28.07.2023)
5	Department of Mathematics	Ref.No:S4/PhD./Cen.Reco.Maths/22 (08.08.2023)

The institution has several university-recognized Research Centres approved at different periods, reflecting its strong and growing research culture. These centres, spanning disciplines such as RDS, Economics, Physics, Philosophy, and Mathematics, function in accordance with the approval norms of the affiliating university and contribute actively to advanced research, doctoral programmes, and interdisciplinary scholarly activities. The Department of Chemistry has all set to apply for the status of research centre in the coming academic year 2026-27.

Research Scholars

Department	Number of Scholars
Rural Development Science	16
Economics	6
Physics	7
Mathematics	5
Philosophy	5

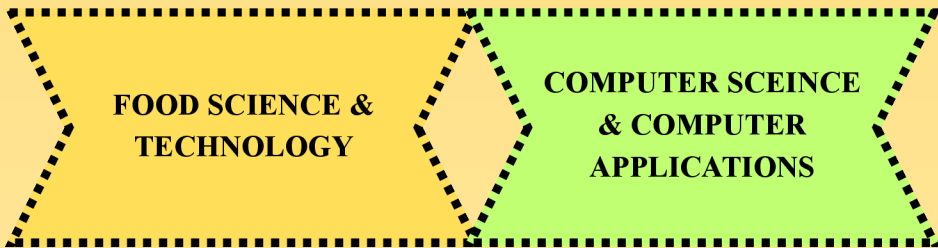
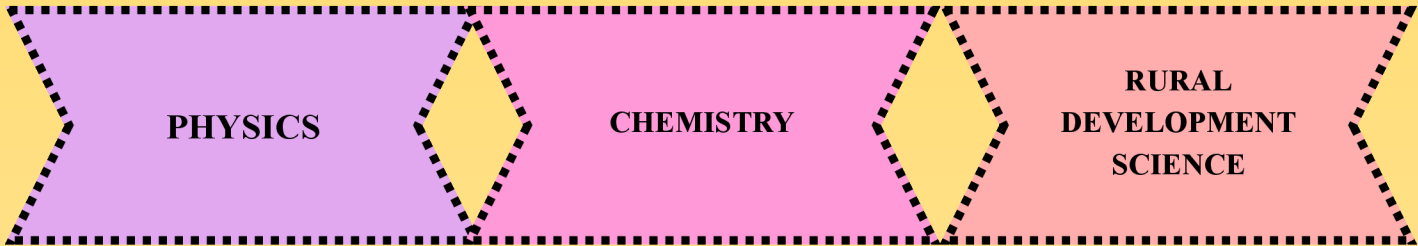


Research Supervisors

S.No	Name of the Supervisor	Department	Register Number	Recognition Date
1	Dr.A. Joseph Charlie Arockia Doss	Tamil	1316	03.10.2013
2	Dr.S. Ganesh	Tamil	1671	07.11.2017
3	Dr.G. Gurusamy	Tamil	1826	29.12.2017
4	Rev.Dr. M Anbarasu SJ	Tamil	2124	31.08.2022
5	Dr.C. Mary Lowrencia	English	1983	03.07.2020
6	Dr.S. Basil Xavier SJ	Philosophy	1702	07.11.2017
7	Dr.G. Ramkumar	Mathematics	1864	09.02.2018
8	Dr.M. Gilbert Rani	Mathematics	1920	03.09.2018
9	Dr. Nivetha Martin	Mathematics	1919	03.09.2018
10	Dr S Rayappan	Chemistry	2308	12.12.2024
11	Dr.N Savitha Devi	Chemistry	2054	31.08.2021
12	Dr.S. Martin	Chemistry	1719	07.11.2017
13	Dr M Amalraj	Chemistry	2306	12.12.2024
14	Dr A Shanmugaraju	Physics	982	24.07.2009
15	Dr.S. Valanarasu	Physics	1372	12.09.2014
16	Dr C S A Raj	Physics	2310	21.03.2025
17	Dr A Sebastian Mahimairaj	RDS	1779	11.12.2017
18	Dr S Arul Prasad	RDS	1780	11.12.2017
19	Dr S P Malarkannan	RDS	2204	28.11.2022
20	Dr S Jegan Karuppiah	RDS	2209	03.01.2023
21	Dr G Adaikalaraj	RDS	2215	03.01.2023
22	Dr D Antony Singh Dhas	Economics	2244	10.03.2023
23	Dr V Nirmal Rajkumar	Economics	2245	10.03.2023
24	Dr D Jenifa	History	2274	26.12.2023



Departments with Laboratory Facilities



Research Facilities

PHYSICS



Photocatalysis setup



FTIR Spectrometer




Tube furnace




Box Furnace

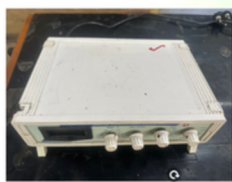
CHEMISTRY



Rotary Evaporator with Chiller



Centrifuge machine



Digital Conductivity Meter

RURAL DEVELOPMENT SCIENCE



Binocular Microscope



Digital pH meter



Digitl Colony Counter



Autoclave




Systronics spectrophotometer




LARK Fermentor


FOOD SCIENCE & TECHNOLOGY




Hydraulic Press



Meat Mincer / Meat Grinder



Digital Bomb Calorimeter



Kjeldhal apparatus without flask & condenser



Rotary Batter Dispenser



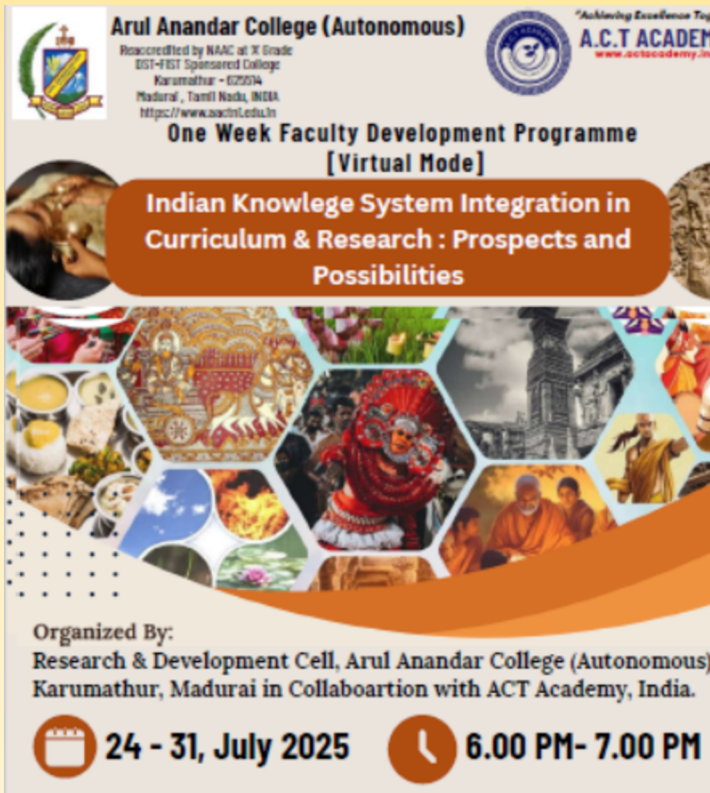
Homogenizer

Research Activities

During the academic year 2025–2026, the Research and Development (R&D) Cell played a proactive role in strengthening the institution’s research ecosystem by organizing a wide range of national and international programmes. These initiatives focused on faculty development, research capacity building, innovation, intellectual property awareness, interdisciplinary engagement, and student entrepreneurship.

Collaborative Endeavours

The academic year began with a *7 Day National Faculty Development Programme on “Indian Knowledge System Integration in Curriculum & Research: Prospects and Possibilities”*, organized from 24 July 2025 to 31 July 2025 in collaboration with ACT Academy, Kerala. The programme featured eminent resource persons from diverse disciplines, including Ayurveda, chemistry, management studies, mechanical engineering, and rural development. The deliberations emphasized the relevance of Indian Knowledge Systems in contemporary curriculum design and research practices.



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 Karumathur - 622054
 Madurai, Tamil Nadu, INDIA
<https://www.aacn.edu.in>

A.C.T ACADEMY
 www.actacademy.in

One Week Faculty Development Programme [Virtual Mode]

Indian Knowledge System Integration in Curriculum & Research : Prospects and Possibilities

Organized By:
 Research & Development Cell, Arul Anandar College (Autonomous)
 Karumathur, Madurai in Collaboration with ACT Academy, India.

24 - 31, July 2025 **6.00 PM- 7.00 PM**

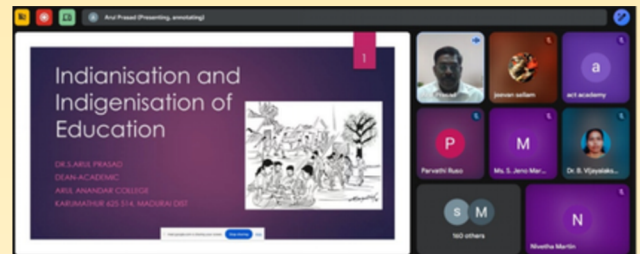


NEED OF INDIAN KNOWLEDGE SYSTEM IN MODERN EDUCATION

The contemporary education system in India tend to follow Western models, often neglecting this vast pool of indigenous wisdom.

There is now a growing need to integrate IKS into formal education to produce not just academically proficient individuals, but also socially conscious, well-rounded citizens.

The National Education Policy (NEP) 2020 recognizes the importance of IKS and emphasizes its inclusion in the educational curriculum.



Indianisation and Indigenisation of Education

DELEENA PRASAD
 DEBANKARAYAN
 ARUL ANANDAR COLLEGE
 KARUMATHUR-622054, MADURAI DIST



Major Sources of Indian Knowledge System

The diagram illustrates the sources of Indian Knowledge System (IKS) as follows:

- Classical Texts (Sama, Yajur, Rig, Atharva)
- Regional and folk knowledge
- Traditions, stories and Surfs
- IKS
- Classical Texts (Sama, Yajur, Rig, Atharva)
- Classical Texts (Sama, Yajur, Rig, Atharva)
- Classical Texts (Sama, Yajur, Rig, Atharva)



An *International Seminar on Effective Research Paper Writing and Funding Proposal Development* was organized on 01 August 2025 in collaboration with Holy Cross College, Trichy. The seminar provided faculty members and research scholars with practical insights into scholarly publishing standards, proposal writing techniques, and funding opportunities.

Holy Cross College Research Colloquium and PG Department of Library and Information Science, HCC in Collaboration with R & D Cell, Arul Anandar College, Madurai Organizes an International Seminar on Effective Research Paper Writing and Funding Proposal Development

Presided by

Rev.Sr.Dr. Rajakumari P Principal Holy Cross College (Autonomous) Tiruchirappalli

Resource Person

Rev.Dr. M. Anbarasu, SJ Principal Arul Anandar College, (Autonomous) Madurai

Dr. Pit. Pitchappan Senior Scientist/Professor Digital Information Research Lab India, UK, Thailand

DATE: 01-08-2025
TIME: 10.30 AM TO 5.00 PM

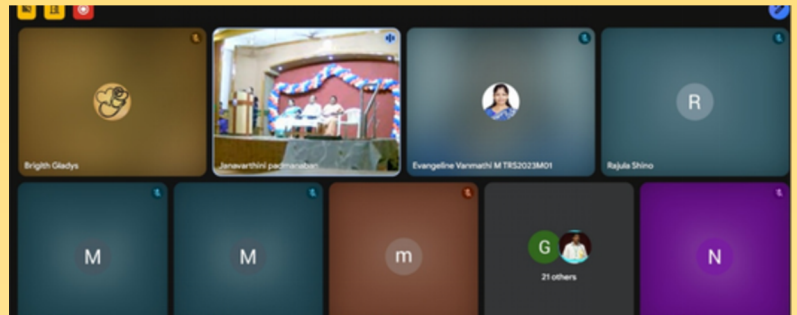
Registration Fee: Rs. 250/-
Google Link for Registration, <https://forms.gle/xazyBMCyPM2mqjgZ9>

Organizers

Dr. W. Ritha Dean of Research, HCC

Dr.A.Senthamilselvi Head,DLIS,HCC

Dr.Nivetha Martin Dean of Research, AAC



How to write effective research proposals for funded projects?

P Pichappan
Digital Information Research Labs
Chennai, India, Ilford, UK
pichappan@dirf.org
www.dirf.org/cv-pit

In continuation of innovation-focused activities, a *Workshop on Bridging Research and Innovation through Patent Publishing* was organized on 08 September 2025 in collaboration with the MHRD Innovation and IPR Cell. The programme sensitized participants to patent processes, innovation disclosure, and commercialization pathways.



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Research and Development Cell in association with MHRD Innovation & IPR Cell jointly organize a

WORKSHOP ON BRIDGING RESEARCH AND INNOVATION THROUGH PATENT PUBLISHING

08 September 2025

Dr. J. SATHISH
Assistant Professor
Department of Chemical Engineering
Hindusthan College of Engineering & Technology
Coimbatore

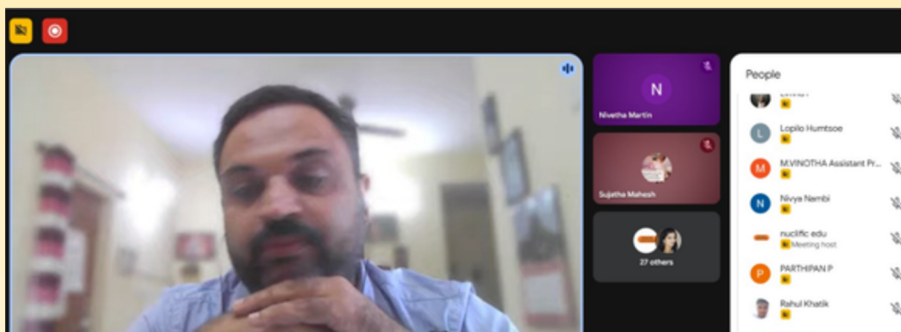
Venue: Fr. Prince Hall
Time: 09.00 am



The R&D Cell further organized a *2 Day National Level Research e-Workshop on “From Idea to Impact: Navigating the Research Lifecycle & Journal Selection Strategies”* on 13 and 14 September 2025, which guided early-career researchers through various stages of research planning, execution, and publication.



The Research and Development Cell, in collaboration with Nuclfic Education, organized a *One Day National Level e-Workshop on “Research Ethics and Artificial Intelligence”* on 14 October 2025. The programme highlighted the importance of ethical practices in AI-integrated research for faculty and students. The session was interactive, offering valuable insights into research ethics and the responsible use of AI research tools.



Further strengthening research professionalism, a *Two Day National Level E-Workshop on “Research Cognition, Intellectual Cartographies and Research Professionalism”* was conducted on 12 and 13 December 2025, offering valuable perspectives on academic identity, research mapping, and scholarly ethics.

NUCLIFIC EDUCATION In Association with **Arul Anandar College (Autonomous)**

organizes **Two Days National Level e-workshop on “Research Cognition, Intellectual Cartographies and Research Professionalism”**

Date : 12 & 13 Dec 2025
Time : 07:00 PM – 8:00 PM

1. Charting Intellectual Cartographies through Comprehensive and Critical Literature Reviews
2. From Inquiry to Impact: How Research Enhances Cognition and Professionalism

Dr. Navodita Bhatt
 Assistant Professor
 ELT Coordinator and PHD Guide
 Department of English (ELT)
 ILSASS
 CVM University, Gujarat

Prof. Manu Mangattu
 Poet, Research Consultant
 and
 Publishing Expert,
 Hyderabad



The R&D Cell also demonstrated strong international engagement by organizing a *2 Days International e-Conference on “Advanced Materials: Bridging Physics, Chemistry, Biosciences and Computational Modelling”* on 24 and 25 January 2026, facilitating interdisciplinary and global academic exchange.

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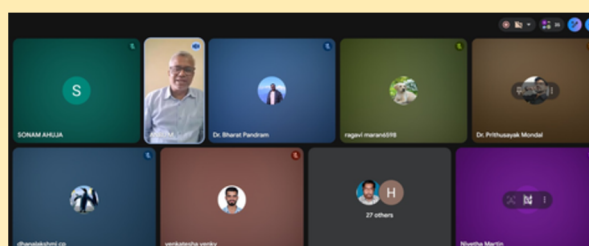
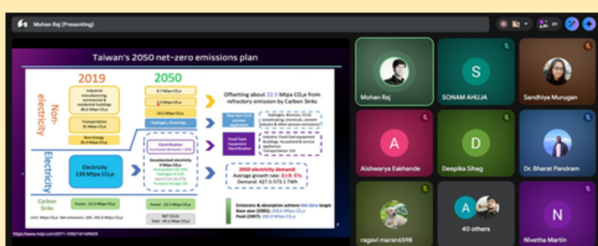
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 +91 8454 23410

Asian Research Association

Research and Development cell,
 Arul Anandar College (Autonomous), Madurai &
 ACT Academy, Kerala
 jointly organise

2 Days International e-Conference on
**Advanced Materials:
 Bridging Physics, Chemistry,
 Biosciences and
 Computational Modelling**

24 & 25, JANUARY 2026
10 AM - 4.30 PM



The R&D Cell in collaboration with ACT Academy organized *National Level Faculty e-Workshop on Institutional Development Plan (IDP) as per UGC Guidelines* on 14 March 2026

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Research and Development cell,
 Arul Anandar College (Autonomous), Madurai & ACT Academy
 Jointly organising

National Level Faculty e-Workshop on
**“Institutional Development
 Plan (IDP) as per UGC
 Guidelines”**

RESOURCE PERSON
Prof. (Dr). R. ANITA
 Professor in HR
 Controller of Examinations
 Department of Business Management
 St. Joseph's Degree & PG College
 Hyderabad, Telangana

14, MARCH 2026
5.30 PM

In-source Programmes

To enhance technical and interdisciplinary research skills, a *Virtual Workshop on ChemDraw: A Tool for Chemists* was conducted on 25 September 2025, followed by a *Virtual Workshop on Interdisciplinary Research Design: Zebrafish Case Study in Drug Discovery* on 30 October 2025. These programmes encouraged hands-on learning and interdisciplinary research approaches. On 22 November 2025, the R&D Cell organized a *Workshop on Harnessing AI Tools in Research & Effective Learner Engagement*, focusing on the ethical and effective use of artificial intelligence in academic research and teaching-learning processes. The academic year concluded with a *Virtual Workshop on “From Lab to Market: Food Processing, Entrepreneurship and Startup Opportunities”*, organized on 28 February 2026, emphasizing translational research, value addition, and startup opportunities in food science and technology.



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Research and Development Cell
organizes a
Virtual Workshop on ChemDraw: A Tool for Chemists
25 September 2025
Time: 6-7 pm



Dr. M. Amalraj
Innovative Ambassador
Assistant Professor of Chemistry, AAC

KEY HIGHLIGHTS

- Basics of ChemDraw interface
- Drawing chemical structures and reactions
- Generating IUPAC names and properties
- Preparing publication-quality diagrams
- Predicting ¹H and ¹³C NMR spectra
- 3D structure visualization
- Tips & tricks for faster workflow

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TARGET AUDIENCE
Faculty, Research Scholars and Students in Chemistry, Biochemistry and Related Disciplines.



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RESEARCH AND DEVELOPMENT CELL Organizes

Virtual Workshop on Interdisciplinary Research Design: Zebrafish Case Study in Drug Discovery
30 October 2025 @ 6-7 pm



Dr. C. Justin David
Assistant Professor of Rural Development Science, AAC
Post Doctoral Researcher, University of Pennsylvania, Philadelphia USA

KEY HIGHLIGHTS

- Interdisciplinary design basics
- Zebrafish in drug discovery
- Controlled lab experiments
- Endocrine & pharmacology cases
- Data analysis & interpretation
- Ethics & regulations

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Research & Development Cell
Organizes a *Virtual Workshop* on

Harnessing AI Tools in Research & Effective Learner Engagement
22 November 2025 @ 6.30-7.30 pm

KEY HIGHLIGHTS

- Visualise and build research data effortlessly.
- Explore and map connected research papers.
- Summarise and generate academic content with AI.
- Create stunning presentations in seconds.
- Transform ideas into clear visual diagrams.

TARGET AUDIENCE
Faculty, Research Scholars, and Students of all Disciplines.

SCAN & REGISTER




Dr. P. XAVIER
Assistant Professor
Department of English Language & Literature
Arul Anandar College



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Research & Development Cell Organizes

VIRTUAL WORKSHOP ON
From Lab to Market: Food Processing, Entrepreneurship and Startup Opportunities
28 February 2026 @ 6.30-7.30 pm

KEY HIGHLIGHTS

- Academic learning to industry-ready innovations
- Entrepreneurial and startup mindset for students
- Lab-to-market product development exposure
- Awareness of Skill India & Startup India initiatives
- Skills in innovation, problem-solving & design thinking
- Insights into careers, self-employment & startups

TARGET AUDIENCE
Faculty, Research Scholars, UG/PG Students, Entrepreneurs and Food Businessperson

Dr. P. REVATHI
Assistant Professor
Department of Food Science & Technology
Arul Anandar College





Memorandum of Understanding

On 10th November 2025, a significant Memorandum of Understanding (MoU) was signed between MADITSSIA and Arul Anandar College with the shared goal of enhancing the training and skill development of students. The MoU was signed by Dr. A. Selvaraj, Chairman of IIAC, and Mr. V. Senthikumar, President, representing MADITSSIA, and by Dr. M. Anbarasu, Principal, Mr. G. Pushparaj, Secretary, and Dr. Nivetha Martin, Dean of Research, representing Arul Anandar College.



This collaboration is expected to provide students with access to industry-oriented training programs, workshops, and hands-on learning experiences that will bridge the gap between academic knowledge and practical skills. By fostering close engagement with industry experts, the partnership aims to improve employability, encourage innovation, and equip students with the necessary competencies to meet the evolving demands of the professional world. Additionally, the MoU will facilitate knowledge exchange, collaborative projects, and networking opportunities, further strengthening the overall educational and professional development ecosystem at Arul Anandar College.



Consultancy

On 19 August 2025, a Discussion on Consultancy and its Modes of Operations was conducted, highlighting consultancy as an extension of academic expertise and institutional social responsibility. This session helped faculty members understand consultancy frameworks, ethical practices, and operational mechanisms. The institution has received a **GST number** to facilitate consultancy services.

CSR Initiative

The institution has received the **DARPAN ID** to facilitate CSR initiatives. A CSR proposal has been submitted to Indian Overseas Bank. A *Virtual Discussion on Industry–Institution Linkages for CSR Funding* was organized on 23 October 2025. Mr. K. Uday Kumar, Founder & President, Way for Life, Bengaluru, presented an overview of Way for Life and deliberated on the institutional eligibility for availing CSR funds. The discussion focused on exploring opportunities to strengthen institutional–industry collaboration for accessing CSR funding. The interactive session provided participants with practical insights into the processes and strategies involved in effectively tapping CSR resources for research and development initiatives.



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RESEARCH AND DEVELOPMENT CELL
Organizes

**Virtual Discussion on
Industry & Institution Linkages for CSR Funding**
23 October 2025 @ 6-7 pm

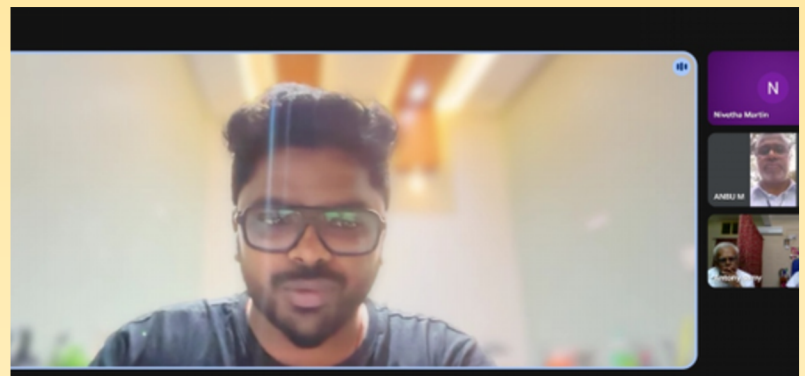
Interaction with



Mr. K. Uday Kumar
Founder & President
Way for Life
Bengaluru

Moderator
Dr. Nivetha Martin
Dean Research





Publication of Patents

In addition to these academic initiatives, faculty members and students of the institution successfully published patents on low-cost portable real-time sensor systems for on-farm monitoring, eco-friendly hydrogels derived from chicken feet waste, and an AI-based intelligent rider safety helmet, highlighting the institution's commitment to innovation, sustainability, and socially relevant research.

Seed Money Projects

To support the research activities of self-financed faculty, seed money projects were sanctioned to seven teaching staff members. The proposals submitted by the faculty were scrutinized, and the progress of the projects is periodically reviewed. A review meeting was held on 06 March 2026.



Student Innovators

The constant support from the management and guidance from faculty members have enabled students of AAC to emerge as young innovators. **Mr. Vinoth Mayandi**, Department of Information Technology, received the ₹1 Lakh Gramam Thorum Puthozhil Special Seed Grant from StartupTN for his invention Anbu IoT. He also received the Best Innovator Award along with cash prizes.

Mr. A. S. Karmugil and **Ms. V. Beula Merlin Jenifer**, Department of Chemistry, received a cash prize of ₹7,000 for their project titled “Intelligent Eco-friendly Bioplastic Packaging for Real-Time Meat Spoilage Monitoring” from Nirmala College for Women, Coimbatore.





Annual Research Scholar Meeting

The Annual Research Scholar Meeting was held on 07 February 2026 at the Conference Hall. Research scholars participated with zeal and enthusiasm. The discussions and deliberations on research activities and related endeavours contributed significantly to enhancing the research ecosystem of the campus.



Research Excursion

A Research Excursion to Kodaikanal was organized on 19 March 2026. The research scholars actively participated in the programme and felt refreshed and rejuvenated.



Research Scholar Awards



MMr. S.L.Jenish



Dr. P.Partihipan

The Research & Development Cell introduced a new award category, the Best Research Scholar Award, from this academic year to encourage research scholars of our institution. Dr. P. Partihipan from Rural Development Science and Mr. S. L. Jenish from Physics Department have received the best scholar awards for the academic year 2025-26.

Funded Projects

Faculty members have submitted project proposals to ANRF, ICSSR, and TNSCST both as individual and joint ventures. Faculty–student collaborative projects have also been submitted, indicating the growing research orientation among the student community. The office of Dean Research conducted a *Workshop on Effective Proposal Writing* on 18 August 2025 in response to the call for ANRF-Convergence Research Centres of Excellence (CoE): Bridging Social Sciences, Humanities, Science & Technology.



Periodical Meetings

The Research & Development Cell convened Finance Committee Meeting – I on 07 August 2025 and passed resolution pertaining to financial aspects of our college. The second finance committee meeting is scheduled in the month of April 2026. Periodical meetings with members of Research Council & Ethics Committee, Research & Development Cell and Research Supervisors of AAC are held to discuss and deliberate on research initiatives aimed at strengthening the research dimension of the institution



VIDWAN Update

The Office of the Dean (Research), with the support of the College Library, facilitated the registration of faculty members in the VIDWAN portal. The Librarian, Dr. J. Bosco, along with his team, coordinated the registration process from 05 to 07 August 2025. Faculty members actively availed this opportunity and successfully completed their registration.



Journal Initiatives

The proposal for the Arul Anandar Journal of Science & Arts (AAJSA) has been initiated with the support and contribution of the members of the Research & Development Cell.

Sl. No.	Title of the Article & Authors
1	Effective Learner Engagement Through Game-Based Apps: An EVAMIX Decision-Making Framework Nivetha Martin
2	Stripping Happiness to the Bone: Cynic Autarkeia as the Essence of the Good Life T. Elphinston Kishore, J. Xavier Lawrence
3	Solvent-Free Synthesis and Characterization of Cobalt Oxide / Carbon Nanocomposites for Hydrogen Generation from Sodium Borohydride Hydrolysis M. Selvi, R. Saran Kumar, P. Muthukumar, K. Ganesan, T. Adinaveen, A. John Jeevagan, M. Amalraj
4	Mineral Analysis of Sediment Samples Collected Along the Krusadai – Rameswaram Island, Gulf of Mannar, Tamil Nadu, India Inigo Valan. I, Betsy Clarebel. R, Maniyarasan S, Parthasarathy. P, Stephen. A
5	Development of Herbal Energy Beverages and Milkshakes Enriched with Ashwagandha (<i>Withania somnifera</i>) and Tulsi (<i>Ocimum sanctum</i>) P. Revathi
6	சங்க இலக்கியங்களில் 'பறை' இசைக்கருவி: சமூகப் பயன்பாடும் பண்பாட்டு பரிணாமமும் D. Malar Vizhi
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Overall, the programmes organized during the academic year significantly enhanced research competence, innovation awareness, interdisciplinary collaboration, and entrepreneurial skills among faculty members and students, thereby strengthening the institutional research culture.

Editor



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