

Name : Dr. R. SURIYAGRACE
Designation : ASSISTANT PROFESSOR
Department : B.Sc CS (AI)
Qualification : M.Sc., M.Phil., Ph.D
Experience : Teaching - 4.5 Years
Research : 8 Years
Area of Specialization(s) : Digital Image Processing, Data Mining
Email(OfficialID) : suriyagrace@psgrkcw.ac.in



Academic Qualifications

| Degree | Branch | Institution/UniversityName | Year of Graduation |
|---------|------------------|---------------------------------------|--------------------|
| Ph.D. | Computer Science | Government Arts College, Coimbatore | 2023 |
| M.Phil. | Computer Science | Government Arts College, Coimbatore | 2017 |
| M. Sc. | Computer Science | Bharathiar University | 2014 |
| B.Sc. | Computer Science | Nirmala College for Women, Coimbatore | 2012 |

Additional Qualifications

| Diploma/ Vocational/ Certification | Area of Specialization | Institution/University/AgencyName | Year |
|--|------------------------|------------------------------------|------|
| Certification | Coursera | PSGR Krishnammal College for Women | 2025 |
| Certification | Simplilearn | Simplilearn | 2025 |

Research Publications (Indexed)

International :

1. R.Suriyagrace, Dr M.Devapriya. “An Efficient Enriched Feature Extraction Approaches With Segmentation And Fuzzy Rule-Based Decision System To Detect Leukaemia”. Zeichen Journal, Volume 8, Issue 06, page no: 433-443, June 2022. (SCOPUS INDEXED)
2. R. Suriyagrace et al. “A Population-based Feature Selection and Fuzzy Rule Leukemia form image and Gene Expression Data”. NEUROQUANTOLOGY, VOLUME 20, ISSUE 12, DOI: 10.14704/NQ.2022.20.12. NQ77309. PAGE 3085- 3097, OCTOBER 2022. (SCOPUS)

Other Publications: International/National

1. “A study on image processing concepts used for the detection on leukaemia – a survey”, Volume 6, Issue 10, October 2016 ISSN: 2277 128X, International Journal of Advanced Research in Computer Science and Software Engineering(IJARCSSE).
2. “An automated approach based on k-means and fuzzy inference system for the detection of leukemia”, ISSN: 2349-4689 Volume 29, Number 03, 2016, International Journal Of Scientific Progress And Research(IJSPR).
3. “Leukaemia Detection Using K-Means And Fuzzy Inference As Automated Approach”, Volume 8, Issue 1, January 2021, E-ISSN 2348-1269, P- ISSN 2349-5138, International Journal Of Research And Analytical Reviews(IJRAR).
4. “Effective Image Pre-Processing Techniques with Deep Learning for Leukemia Detection”, Vol 9, Issue 10, October 2021, E-ISSN: 2347-2693 International Journal of Computer Sciences and Engineering(IJCSE).
5. “Refined Segmentation of K-Means Cluster Using Hidden-Markov Random Field (HMRF) for Leukemia Detection”, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538, Volume 10 Issue III Mar 2022, International Journal for Research in Applied Science & Engineering Technology(IJRASET).
6. Suriyagrace, Dr.M.Devapriya, “A Study on Image Processing Techniques Used In Various Cancer Detections”, International Conference on Knowledge Discovery in Science and Technology – 2019(ICKDST-19), 22nd-23rd February 2019. (Survey)

Book Published

1. Dr. R. Suriyagrace, “Uncovering Advances at the Intersection of Multidisciplinary Research”, RK Publishers, September 2024, ISBN: 978-81-976326-6-2.
2. Dr. R. Suriyagrace, “Cybersecurity and Forensic Science – Tools, Techniques and Applications”, Ciit Publishers, July 2025.

Book Chapter Published

1. Dr. R. Suriyagrace, “A comprehensive review of learning rules and architecture of perceptron in artificial neural networks (ANNs)”, CRC Press, Taylor & Francis group, December 2024, ISBN 9781032627724.

Acted as a Resource Person

1. Acted as a resource person in handling Hands on Session on “ARTIFICIAL INTELLIGENCE” for School Students in the Regional Science Centre, Coimbatore on 18.05.2024.
2. Acted as a resource person in handling Hands on Session on “ChatGPT & AI TOOLS” for School Students in the Regional Science Centre, Coimbatore on 29.06.2024.

Paper Presentations in Conference

International - 7

National - NIL

Participation in Conference

International - 5

Participation in Workshop

Attended more than 10 workshops in National and International level.

Participation in Faculty Development Programme

Attended more than 20+ Faculty Development Programmes at National and International level.

Participation in Webinar

Attended more than 10+ Webinars in National and International level.

Conference/Seminar/Workshop Organized

1. Organized Five Days National Level Virtual Faculty Development Programme on “**Innovative Trends in Artificial Intelligence for Teaching and Research**” from 27 - 31, January-2025.

Indexing and Citations

Citations - 1

H-Index - 1

Contribution

- Involved in proposal for MEiTY - IndiaAI Project Proposal - 2024-2025.
- Involved in TNSCST proposal - 2024-2025.
- Acted as Computational Sciences Cluster - Newsletter Co-ordinator for the academic year 2024-2025.
- Involved in Inter-disciplinary final year projects - 2024-2025, 2025-2026
- Department Admission Co-ordinator - 2024-2025, 2025-2026.
- Department Academic Co-ordinator - 2025-2026
- Department Syllabus incharge - 2025-2026.
- Department ERP incharge - 2025-2026.
- Department E-Content incharge - 2024-2025, 2025-2026 (Odd Semester).

