

**Name** : Dr. R. Rajeswari

**Designation** : Assistant Professor

**Department** : Computer Technology

**Qualification** : MCA., M. Phil., UGC – SET., Ph.D., M. Sc.(Yoga)

**Experience** : Teaching: 9 Years Research: 9 Years

**Area of Specialization(s)** : Data Mining,  
Digital Image Processing, Networking,  
Python Programming, R- Programming

**Email (Official ID)** : rajeswari.r@drngpasc.ac.in



### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
M. Sc.	Yoga	Bharathidasan University	Pursuing
Ph. D.	Computer Applications	St. Peter's Institute of Higher Education and Research, Chennai	2018
M. Phil.	Computer Science	PRIST Univeristy, Thanjavur	2011
MCA	Computer Applications	Alagappa University, Karikudi	2009
B. Sc.	Computer Science	Bharathiyar University, Coimbatore	2006

### Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
SET	Computer Science	UGC	2016
Online Certificate	Data Mining	NPTEL	2018

### Research Publications (Indexed)

#### International

- R. Rajeswari, **Systematic And Comparative Study On Gene Micro Array Using Fuzzy Logic Applications**, International Journals for Computer Science Engineering and

Information Technology, Vol. 3 Issue: 1 26-Jun-2014, ISSN: 2321-3337, (Indexed in Google Scholar, EBSCO).

- R. Rajeswari, **Tumor Detection And Segmentation Using Watershed And Hierarchical Clustering Algorithms**, International Journal of Innovative Research in Computer and Communication Engineering, Vol.2, Special Issue 5, October 2014, ISSN: 2320-9801, (Indexed in Index Copernicus).
- R. Rajeswari, **Pro-Creation Semi-Supervised Clustering wi-Prominent Constraints**, International Journal of Applied Engineering Research, Vol.10, Issue 17, 2015 ISSN: 0973-9769, (Indexed in SCOPUS).
- R. Rajeswari, **Gene Data Analysis and Techniques: A Survey**, International Journal of Research in Engineering & Advanced Technology, Volume 3, Issue 3, June ISSN: 2320 – 8791, (Indexed in Google Scholar).
- R. Rajeswari , **Robust Ensemble Co-Clustering Algorithm for Enzyme Clustering (RECCA)**, Australian Journal of Basic and Applied Sciences, 9(10) Special 2015, Pages: 364-375, ISSN: 2309-8414 (Indexed in SciLit, SciMago).
- R. Rajeswari, **Improved Ant Colony Optimization towards Robust Ensemble Co-Clustering Algorithm (IACO-RECCA) for Enzyme Clustering**, International Journal of Engineering Science and Innovative Technology, Volume 4, Issue 4, July 2015, ISSN: 2319-5967, (Indexed in SciLit, SciMago).
- R. Rajeswari, **A Survey on Data Mining of Gene Expression Data for Gene Function Prediction**, International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, Issue 4, April 2015, ISSN: 2320-9801, (Indexed in Google Scholar).
- R. Rajeswari, **Detection Wi-Firefly Algorithm (FA) Based Feature Selection For Autism Spectrum Disorder (ASD) and Machine Learning Classification**, International Journal of Computer Science and Engineering, Vol-7, Issue-5, May 2019, ISSN: 2347-2693.(UGC)

### Other Publications: International / National Journals

- R. Rajeswari, Published article on **Gene Expression Data Analysis Using Ant Based Clustering**, The International Journal of Innovative Research in Computer Science and Engineering ISSN: 2394-6364, Volume-1, Issue-7, June 2015.
- R. Rajeswari, Published article on **An Improved Cuckoo Search Based Robust Ensemble Co-Clustering Algorithm (ICS-RECCA) for Enzyme Clustering**, International Journal of Modern Electronics and Communication Engineering Volume 3, Issue 3, September 2015.
- R. Rajeswari, Published article on **Gene Expression Dataset Analysis**, Published by Indian Journal of Engineering, Volume 12, Issue 30, September 2015.
- R. Rajeswari, Published article on **An Improved Cuckoo Search Based Robust Ensemble Co-Clustering Algorithm (ICS- RECCA) for Gene Data clustering**, International Journal of Computational Intelligence and Informatics, Volume 5:No. 3, December 2015.

### Presentations in Conference

- **Comparative Study on Clustering techniques wi-Swarm Intelligence Algorithm**, Shri Sakthikailash Womens College, Salem, 25 & 26-Jul-17.
- **Gene Expression Data Analysis Using Ant Based Clustering**, International Conference on 'Innovative Research & Technology ICIRT-2015', Sri Venkateswara College of Arts and Science, Dharmapuri, 23-May-15.
- **Semi-Supervised Tumor Data Clustering Via Spectral Biased Normalized Cuts**, International Conference on 'Trends in Technology for Convergence TITCON-2015', AVS Engineering College, Salem, 10 & 11-Apr-15.
- **Pro-Creation Semi-Supervised Clustering wi-Prominent Constraints**, International Conference on 'Big Data and Cloud Computing', St. Peter's University, Chennai, 26 & 27-Mar-15.

- **Tumor Detection and Segmentation Using Watershed and Hierarchical Clustering Algorithms**, International Conference on ‘Advanced IT, Engineering and Management (SACAIM 2014)’, St. Aloysius College, Mangalore, 14 & 15-Oct-14.
- **Trends and Techniques of IOT in Medicine Center for Research**, International Conference, Dr. N.G.P Arts and Science College, Coimbatore, 9 & 10- Aug-18.
- **Biometrics on Iris Scanning**, Emerging Trends In Mathematics Wi-Computer Applications (ETMCA-19), Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep--19.
- **Rheumatoid Arthritis (Ra) Using Hybrid Artificial Bee Colony (Hyarbc) Of Fuzzy Cognitive Map (FCM) (Hyarbc-FCM) wi-Gene Dataset**, St. Peter’s Institute of Higher Education and Research, Chennai, 27 & 28-Feb-19.
- **A Survey on Demonstration and Testing Cost Beneficial Cognitive Radio Platform**, Dr. N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb20.

#### Participation in Conference

- **Semi Supervised Data Integration of Heterogeneous Data Via Co-Clustering using Non-Negative Matrix Factorization**, International Conference on ‘Cloud Computing and e-Governance 2012 ’, ICCCEG 2012, Bangkok, Thailand, 26 & 28-Jul-12.

#### Participation in Seminars

- **Emerging Trends in Computing and Networking Technologies**, (ETCNT-18), Vivekanandha College of Arts & Sciences for Women, Sankari, Salem, 2-Feb-18.
- **Spectral Co-Clustering Technique using Gene Dataset, National Level Seminar on ‘Emerging Trends in IT & Network**, Sri PSG Arts & Science College for Women, Sankari, 26-Feb-16.
- **An Outline of Swarm Intelligence Algorithm, National Level Seminar on ‘Advanced Trends in Information Technology (NATIT’ 16)**, ERK Arts & Science College, Dharmapuri, 8-Jan-16.

- **Big Data and Cloud Computing for Bioinformatics Applications**, Kongu Engineering College, Erode, 9 &10-Jan-15.
- **Challenges and Strategies in Research**, SNS College of Engineering, Coimbatore, 20-Oct-14.
- **Innovate Analytics wi-Oracle Data mining & Oracle R**, Padmavani Arts & Science College for Women, Salem, 3-Jan-14.

### Participation in Workshop

- **"Spline Regression Cluster, CART & Meta Analysis Using SAS and R**, Salem Sowdeswari College.
- **Data Analytics Using Python**, School of Computer Technology & Applications, Kongu Engineering College, Perundurai, 16-Sep-17.
- **Preparational Tips & Tricks – SET (CS) 2016**, Periyar University, Salem, 6-Feb-6.
- **Image Processing Techniques using MATLAB**, Kongu Engineering College, Erode, 30 & 31-Jan-15.
- **Medical Image Segmentation Techniques**, Periyar University, Salem, 21 & 22-Nov-14.
- **Business Intelligence & Data Analytics Tools, Techniques & Applications**, VIT Business School, VIT University, Vellore, 19 & 20-Sep-14.
- **Latex Tool**, Vivekanada College of Eng., Tiruchengode, 28-Apr-14.
- **On the aspect of Soft Computing Techniques**, KSR College of Engineering, Tiruchengode, 28-Apr-14.
- **Genome Computing (GenComp 2014)**, Periyar University, Salem, on 29 & 30-Jan-14.
- **Data Analytics and its Applications in Biotechnology (Sponsored by DBT, New Delhi)**, Dr. N.G.P. Arts and science college, Coimbatore, 14 & 15-Feb-19.

### **Participation in Faculty Development Programme**

- **Flipped Classroom Pedagogy**, Government Arts College, Salem, 26-Dec-17.
- **Data Science and Big Data Analytics**, Bannari Amman Institute of Technology, Sathyamanglam, 16 to 19-Nov-17.
- **Data Analytics using Python**, Kongu Engineering College, Erode, 16-Sep-17.
- **Enhancement of Teaching Skills**, Salem Sowdeswari College, Salem, 14-Mar-14.
- **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18.

### **Conference / Seminar / Workshop Organized**

- Organizing Member, Workshop on Lap-Clinic Laptop Maintains and Servicing, 2 & 3- Mar-14.
- Organizing Member, International Conference on Recent Trends of Computer Technology (ICRTCT 2019), Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Aug-18.
- Organizing Member, Data Analytics and its Applications in Biotechnology (Sponsored by DBT, New Delhi), Dr. N.G.P. Arts and Science College, Coimbatore, 14 & 15-Feb-19.
- Organizing Member, Emerging Trends in Mathematics using Computer Applications (ETMCA-19). Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep-19.
- Organizing Member, International Conference on Recent Trends of Computer Technology (ICRTCT 2020), Dr. N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb-20.

### **Invited Speaker / Session Chair- Conference / Seminar / Workshop**

- Adjunct Faculty, Python Programming, PSGR Krishnammal College for Women, Coimbatore, 30-Aug-19.
- Guest, Science and Yoga for the Student Induction Programme Department of Computing, Coimbatore Institute of Technology, Coimbatore, 1-Aug-19.

- Adjunct, Recent Trends in Computer Networks, Sri Ramakrishna College of Arts and Science, Coimbatore, 11-Mar-20.

### Editorial / Review Board Member

- Editorial Board Member, International Journal of Scientific & Engineering Research -IJSER (ISSN 2229-5518). [https://www.ijser.org/editorial-board\\_page14.aspx](https://www.ijser.org/editorial-board_page14.aspx) journal.web.pages.
- Editorial Board Member, Engineering and Scientific International Journal (ESIJ).
- Editorial Board Member, International Journal of Linguistics and Computational Applications (IJLCA).

### Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Internet Society	Life-time	-
Social Informatics and Telecommunication Engn.	1 Year	2013 – 2014
CSTA Member	5 Years	2015 - 2020

### Awards / Honors

Awards / Honors	Agency / Institute	Year
M.Phil. - Distinction Award	PRIST University	2011
Dr. Sarvepalli Radhakrishnan Life Time Achievement National Award	IRDP, Chennai	2018
Fellowships Award	Dr. N.G.P. Arts and Science College	2019
Dr. Thavamani D. Palaniswami Research Award for Best Work Paper (2018-2019).	Dr. N.G.P. Arts and Science College	2019
Best Research Paper Award	Dr. N.G.P. Arts and Science College	2019