

Name : Dr. Sreeja. S

Designation : Assistant Professor

Department : Mathematics

Qualification : M.Sc., M.Phil., PhD

Experience : Teaching -7 Years

Research : 8 Years

Area of Specialization : Graph Theory

Email(Official ID) : s_sreeja@psgrkcw.ac.in



Academic Qualifications

Degree	Branch	Institution/ UniversityName	Year of Graduation
Ph.D.	Mathematics	Nirmala College for Women, Coimbatore	2022
M.Phil.	Mathematics	PSGR Krishnammal College for Women, Coimbatore	2018
M. Sc.	Mathematics	PSGR Krishnammal College for Women, Coimbatore	2015
B.Sc.	Mathematics	PSGR Krishnammal College for Women, Coimbatore	2013

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/Agency Name	Year
Certification	Data Science	Certified by IIT, Madras & HCL	2025
Certification	AWS Cloud Practitioner	TN Skills, Naan Mudhalvan	2025
Certification	Python for Data Science, Applied Data Science, Mathematics for Machine Learning, Generative AI Essentials, 6+	Coursera	2023
Certification	Advanced Graph Theory	NPTEL	2018

Research Publications (Indexed)

- ★ Sreeja S, Mary U, “Minimum Hub Harary Energy of a Graph”, *Advances in Mathematics: Scientific Journal*, Volume 9(12), 2020, 10745-10753 (**Scopus Indexed**)
- ★ Mary U, Sreeja S, “Maximum Independent Seidel Energy of a Graph”, *Journal of Physics: Conference Series*, Volume 1947-No.012051, 2021 (**Scopus Indexed**)
- ★ Sreeja S, Mary U, Y. Yogalakshmi “Extended Distance Energy for some Graphs and Common Fever drugs”, Springer Nature Switzerland, 2024 (**Scopus Indexed**)
- ★ Sreeja S, Mary U, Y. Yogalakshmi “Minimum Covering Extended Energy for some Common Fever drugs and its restrictions”, AIP conference proceedings, Vol.3267, 2025 (**Scopus Indexed**)

Other Publications : International/ National

- ★ Mary U, Sreeja S, “The Minimum Covering Distance and Minimum Covering Harary Energy of Friendship Graph”, *Journal of Information and Computational Science*, Volume 9(11), 2019 (**UGC Care listed**)
- ★ Sreeja S, Mary U, “Minimum Hub Color Energy of a Graph”, *Malaya Journal of Mathematik*, Volume 9(1)(2021), 494 - 497 (**UGC Care listed**)
- ★ Sreeja S, Mary U, Y. Yogalakshmi “Maximum Independent Distance Energy of a Graph”, *Journal of Algebraic Statistics*, Vol.13 No.3, 2022 (**Web of Science**)
- ★ Sreeja S, Mary U, Y. Yogalakshmi “A Study on Covering Extended Energy of Some Graphs”, *Indian Journal of Natural Sciences*, Vol.14 No.77, 2023 (**Web of Science**)

Short Term Course

- Successfully completed Innovation Ambassador Training conducted by MoE's Innovation Cell & AICTE, New Delhi – Basic level (2020) & Advanced level (2021).

Letter of Appreciation

- Received letter of appreciation from Government of India’s MoE's Innovation Cell & AICTE, New Delhi for the contribution towards building the innovation and entrepreneurship culture development in KCW as an IIC’s Internship activity coordinator.

Acted as a Resource Person

1. Resource Person in a Special lecture on “Introduction to Abstract Algebra” organized by PG & Research Department of Mathematics, Sri Ramakrishna College of Arts & Science, Coimbatore held on 03.07.2020.
2. Delivered Guest lecture on the topic “Role of Mathematics in various fields” at Rathinam College of Arts & Science, Coimbatore on 28th October, 2024.

Paper Presentations in Conference

International

- Sreeja. S, **Minimum Hub Seidel Energy of a graph**, 4th International Conference on Current Scenario in Pure and Applied Mathematics, ICCSPAM-2021, Kongunadu Arts and Science College, Coimbatore, 29-30th January 2021.
- Sreeja. S, **Maximum Independent Seidel Energy of a graph**, 4th International Virtual Conference on Applied Mathematics and Intelligent Computing, Sri Ramakrishna College of Arts and Science for Women, Coimbatore, 3rd March 2021.
- Sreeja. S, **On Maximum Independent Color Energy of Graphs**, International Conference on Mathematical Sciences in Engineering and Advanced Technologies – ICMSEAT’ 2021, KPR Institute of Engineering and Technology, Coimbatore, 22-23rd December 2021.
- Presented the paper titled “On Maximum Independent D - Energy of a Graph” in a Two Day International Conference on “Mathematics, Statistics & Applications”, VFSTR, 10th & 11th June, 2022.

National

- Sreeja. S, **The Minimum Dominating Energy of Friendship graph**, Nirmala Annual Research Congress-2018, Nirmala College for Women, Coimbatore, 4th December 2018.
- Sreeja. S, **Color Energy of butterfly graph and paw graph**, Nirmala Annual Research Congress-2019, Nirmala College for Women, Coimbatore, 27th November 2019.

Participation in Conferences

- International Conference on “Recent Trends in Theoretical and Computational Mathematics”, PSGR Krishnammal College for Women, 24th & 25th Feb 2022.
- International Conference on “Progress in Mathematics towards Industrial Applications”, SRMIST, 28th & 29th Oct 2022.
- International Conference on “Mathematical Analysis in Computational Biology and Data Science”, PSGR Krishnammal College for Women, 24th & 25th Jan 2023.

10+

Participation in Workshop

20+

Participation in Seminars

10+

Participation in Faculty Development Programme

50+

Participation in Webinars

20+

Grants

- Completed a Minor - Research 'GRG Trust project' at PSGR Krishnammal College for Women during 2020-2022

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
AICTSD	Skill Development related	Permanent

Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
Best CIIED Co-ordinator	PSGRKCW	2025
Best Paper Award in an International Conference on Applied Mathematics & Intelligent Computing	Sri Ramakrishna College for Women, Coimbatore	2021

Indexing and Citations

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Contribution

- Committee Member, NAAC 3.3.1 & 3.3.2 (Overall College) (2022 to 2024)
- Co-ordinator, Institution's Innovation Council (At College Level) (2019 to 2024)
- KCW's CIIED Member (At College Level) (2019 to 2024)
- NIRF Data Consolidator across Science streams (At College Level) (2023 & 2024)