

Curriculum Vitae



Dr. S. Jai Roselin M.Sc., M.Phil., Ph.D.
Assistant Professor (Shift-II),
St. Joseph's College,
Trichy.

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Year of completion	Course	Institution/University	Class
2009	B.Sc. Mathematics	Holy Cross College (Autonomous), Bharathidasan University, Trichy.	Outstanding
2014	M.Sc. Mathematics	St. Joseph's College (Autonomous), Bharathidasan University, Trichy.	Distinction
2015	M.Phil. Mathematics	St. Joseph's College (Autonomous), Bharathidasan University, Trichy.	Distinction
2020	Ph.D. Mathematics	St. Joseph's College (Autonomous), Bharathidasan University, Trichy.	Completed

List of Publications

1. S.Jai Roselin, L.Benedict Michael Raj., *T*-Coloring of Wheel Graphs, International Journal of Information and Computing Science, ISSN NO:0972-1347 Volume 6, Issue 3, March 2019, 11-18.
2. S.Jai Roselin, L.Benedict Michael Raj, *T*-Coloring of Certain Non Perfect Graphs, Journal of Applied Science and Computations, ISSN NO:1076-5131 ,Volume VI, Issue II, February 2019, 1456-1468.
3. S.Jai Roselin, L.Benedict Michael Raj, *T*-span, *T*-edge span critical graphs, International Journal of Innovative Technology and Exploring Engineering, Volume-8, Issue-12, October 2019,3898-3901.
4. S.Jai Roselin, L.Benedict Michael Raj, K.A.Germina, Strong *T*-coloring of graphs, International Journal of Innovative Technology and Exploring Engineering, Volume-8, Issue-12, October 2019, 4677-4681.
5. S.Jai Roselin, L.Benedict Michael Raj, *T*-coloring of product graphs, Discrete Mathematics, Algorithms and Applications, Volume-14, Issue-1,February 2021,1-14

List of Paper Presentations

1. *T*-Coloring of Wheel graphs, "International Conference on Discrete Mathematics-ICDM 2019", St.Joseph's College (Affiliated to Bharathidasan University), Trichy, January 7-9,2019.
2. *T*-Coloring of Cartesian Product of graphs, "International Conference On Advances In Mathematics-ICOAIM-19", Annai Women's College (Affiliated to Bharathidasan University, Karur, 20th february 2019.

Experience

- Working as an Assistant Professor in St. Joseph's College (Autonomous), Trichy from 18.07.2022 till present
- Research experience : 8 years

Workshop/ Conference/ Seminar/ Training programme attended

1. National Conference on Mathematical Sciences and Applications held at St. Joseph's College (Autonomous), Trichy, 4th & 5th March 2014.
2. Regional Workshop On Statistical Packages organized by Department of Statistics, St. Joseph's College (Autonomous), Trichy, on 9th & 10th October 2014.
3. One day symposium on Mathematical Analysis held at National College (Autonomous), Trichy on 9th December 2014.
4. National Conference on Discrete Mathematics held at St. Joseph's College (Autonomous), Trichy, 9th & 10th January 2015.
5. Mathematical Outreach Programme organized jointly by the Ramanujan Mathematical Society and National College (Autonomous), Trichy, during the period May 20, 2015 to May 27, 2015 at the National College Campus.
6. Rev. Dr. S. Lazar SJ., Endowment Seminar on Resources and Research on 15th October 2016 organized by the Department of Library, St. Joseph's College (Autonomous), Trichy.
7. Rev. Dr. A. Albert Muthumalai, SJ., Endowment Fourth National Conference on Applications of Mathematics – Recent Trends held on December 15-16th, 2016 organized by the PG & Research Department of Mathematics, St. Joseph's College (Autonomous), Trichy.
8. National Conference on Recent Trends in Graph Theory held on January 18, 2017 organized by the Department of Mathematics, Fathima College (Autonomous), Madurai.
9. A 5-day National level Training Programme on Thesis Writing : From Copper Strip to Gold Bar Conducted from 30.10.2017 to 03.11.2017 at Bharathidasan University, Trichy.
10. National Workshop on Graph Coloring and Algebraic Graph Theory held at the Department of Mathematics, Pondicherry University during March 6-10, 2018.
11. Rev. Dr. S. Lazar SJ Endowment Seminar on Research Ethics on 15th October 2018 organized by Arrupe Library, St. Joseph's College (Autonomous), Trichy.
12. Post Conference Workshop on Graph Labellings held on December 18-19, 2018, organized by National College (Autonomous), Trichy.
13. International Conference On Discrete Mathematics held on December 18-19, 2018, organized by the Post and Research Department of Mthematics, National College (Autonomous), Trichy.

Responsibilities Held:

- Fine arts Representative, Department of Mathematics, Holy Cross College (Autonomous), Trichy, during the year 2011-2012.
- Member of Student's Exnora , Holy Cross College (Autonomous), Trichy, during the year 2009-2012.
- Member of Board of Studies in Mathematics, Department of Mathematics, St. Joseph's College (Autonomous), Trichy, 3rd March, 2014.
- MQC member of IOAC, St. Joseph's College (Autonomous), Trichy, 2023-present.
- Soft Skills Trainer, St. Joseph's College (Autonomous), Trichy, 2024.

Technical Qualification

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| <ul style="list-style-type: none">• Latex• Microsoft• Photoshop | <ul style="list-style-type: none">• MatLab• Animation• Video editing |
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Courses/ FDP Completed (2024)

- Mathematical Modelling: Analysis and Applications , NPTEL-AICTE(FDP)
- Introduction to Machine Learning, NPTEL-AICTE(FDP)
- Hi-Impact a Faculty Development Programme, St.Joseph's Hub for Languages.
- Enhancing and Engaging ourselves: Administrative Perspectives, St.Joseph's College, Trichy.
- FDP on Effective E-Content Development (Four Quadrant Approach), Faculty Development Center, St.Joseph's College, Trichy.

Personal Details

- Date of Birth : 16.04.1992
- Gender : Female
- Address : No, 38, Renga Nagar, Uyyankondan Thirumalai, Trichy, 620102.
- Religion : Roman Catholic
- Languages Known : Tamil(தமிழ்), English.
- Area of Interest : Graph Theory, Linear Algebra, Calculus, Real Analysis.
- Interest : Dance, Music, Reading books, Drawing,

I declare that the information furnished above is true to the best of my knowledge.

S. Jai Roselin