Curriculum Vitae

Name	**Dr. J. AMALORPAVA JERLINE**
Designation	**Assistant Professor**
Qualification	**M. Sc., M. Phil., Ph.D., M. A.(TAMIL), PGDCA., with SET**
Address	**No: 96, Krishnamoorthy Nagar, Trichy-620 021**
Mobile Number	**97896 73526**
E-mail id	**jermaths@gmail.com**
Area of Specialization	**Graph Theory and Algebra**

Working Experience

- **W**orked as an Assistant Professor in Arul Anandar College (Autonomous), Karumathur, Madurai from 16.06.2008 to 28.08.2008.

- **W**orked as an Assistant Professor in Holy Cross College (Autonomous), Trichy-620 002, from 01.09.2008 to 30.05.2018.

- **W**orking as an Assistant Professor in St. Joseph's College (Autonomous), Trichy, since 18.06.2018.

Academic Profile

Ph. D.

College Name and Address	**St. Joseph's College (Autonomous), Trichy-620 002.**
Year	**January 2018**
Title of the thesis	**"Harmonic and Zagreb Indices of Graphs"**

SET

Year of Passing	**February 2016**
University	**Mother Teresa Women's University, Kodaikanal**

M. Phil

Qualifying Exam	**M. Phil., Mathematics**
Qualifying Marks in Percentage	**97.06% (Gold Medal)**
Year of Passing	**September 2008**
College Name and Address	**St. Joseph's College (Autonomous), Trichy-620 002.**

Post Graduate

Qualifying Exam	**M.Sc., Mathematics**
Qualifying Marks in Percentage	**93.79% (Silver Medal)**
Year of Passing	**April 2008**
College Name and Address	**St. Joseph's College (Autonomous), Trichy-620 002**

Under Graduate

Qualifying Exam	**B.Sc., Mathematics**
Qualifying Marks in Percentage	**96.29% (Gold Medal and University IV Rank)**
Year of Passing	**June 2005**
College Name and Address	**Holy Cross College (Autonomous), Trichy-620 002**

Technical Qualification:

- MATLAB
- LaTeX
- Type Writing in English

Awards / Honour

- Reviewer for the international journal - Ars Combinatoria.

- Reviewer for the international journal - Journal of Applied Mathematics and Computing.

Publication Details

1. Amalorpava Jerline J, Benedict Michaelraj L, Dhanalakshmi K, Syamala P, Harmonic index of graphs with more than one cut –vertex, Ars Combinatoria 135 (2017) 283-298.

2. Amalorpava Jerline J, Benedict Michaelraj K, On harmonic index and diameter of unicyclic graphs, Iranian Journal of Mathematical Sciences and Informatics, 11(1) 2016, 115-122 .

3. Amalorpava Jerline J, , Dhanalakshmi K, Benedict Michaelraj L, The first and the second Zagreb indices of the generalized Mycielskian of graph, Electronics Notes in Discrete Mathematics,53(2016) 239-358.

4. Amalorpava Jerline J, Benedict Michaelraj L, On a conjecture of Harmonic Index and Diameter of Graphs, Kragujevac Journal of Mathematics, 40(1) 2016, 73-78.

5. Amalorpava Jerline J, , Dhanalakshmi K, Benedict Michaelraj L, Harmonic Index of Product Graphs, Proceedings of National Conference on Analysis and Applied Mathematics, 85-90, ISBN: 978-93-84743-06-2.

6. Amalorpava Jerline J, Dhanalakshmi K, Benedict Michaelraj L, The second and third minimum harmonic index of trees, Proceedings of National Conference on Discrete Mathematics, 6-11.

7. Amalorpava Jerline J, Dhanalakshmi K, Benedict Michaelraj L, Harmonic Index of Bridge and Chain Graphs, International Journal Journal of Mathematics and its Applications, 5 (1-C) (2017), 275-284.

8. Dhanalakshmi K, Amalorpava Jerline J, Benedict Michaelraj L, "Dichromatic Polynomial Of Product Digraphs", Electronic Notes in Discrete Mathematics,53(2016) 165-172.

9. Dhanalakshmi K, Amalorpava Jerline J, Benedict Michaelraj L, Colouring of Digraph, Proceedings of National Conference on Analysis and Applied Mathematics, 91-94 ISBN: 978-93-84743-06-2.

10. Dhanalakshmi K, Amalorpava Jerline J, Benedict Michaelraj L, Uniquely Colourable Digraph, Proceedings of National Conference on Discrete Mathematics, 1-5.

11. Dhanalakshmi K, Amalorpava Jerline J, Benedict Michaelraj L, First Modified Zagreb Indices of Unicyclic Graphs with a given number of pendant vertices, International Journal of Mathematical Archive, 7(4) 2016, 151-153.

12. Dhanalakshmi K, Amalorpava Jerline J, Benedict Michaelraj L, Modified and Multiplicative Zagreb Indices on Graph Operations, Journal of Computer and Mathmatical Sciences, 7(4) 2016, 225-232.

13. Dhanalakshmi K, Amalorpava Jerline J, Benedict Michaelraj L,Modified Zagreb Index of Some Chemical Structure Trees, International Journal of Mathematics and its Applications, 5 (1-C) (2017), 285-290.

14. Litta E, Amalorpava Jerline J, Dhanalakshmi K, Benedict Michaelraj L, Modified Zagreb Indices of Bridge Graphs, International Journal of Mathematical Archive, 8(3) 2017, 86-91.

Paper Presentation Details

1. Harmonic Index of Product Graphs, National Conference On Analysis And Applied Mathematics, NIT, Trichy, November 2014.

2. The second and third minimum harmonic index of trees, National Conference On Discrete Mathematics, St. Josephs' College(Autonomous), Trichy, January 2015.

3. The first and the second Zagreb indices of the generalized Mycielskian of graph, International Conference On Discrete Mathematics, AMRITA University, Coimbatore, December 2015.

4. Modified Zagreb Indices Of Bridge Graphs, National Conference On Mathematics And Its Applications, Cauvery College For Women, Trichy, August 2016.

5. F index of Generalized Mycielskian of Graphs, International Conference on Discrete Mathematics, St. Joseph's College(Autonomous), Trichy, January 2019.

Conference/ Workshop Attended

1. National Conference on Graph Theory Generalizations and Applications held at SASTRA University, Thanjavur, 20-21 August 2012.

2. National Seminar on Applications in Graph Theory held at Seethalakshmi Ramaswami College, Tiruchirappalli, 18-19 December 2012.

3. National Conference on Graph Theory and Operations Research held at Holy Cross College(Autonomous), Tiruchirappalli, 03-04 March 2014.

4. National Conference on Mathematical Sciences and Applications held at St.Joseph's College(Autonomous), Tiruchirappalli, 04-05 March 2014.

5. National Conference on Analysis and Applied Mathematics held at National Institute of Technology, Tiruchirappalli, 27-28 November 2014.

6. National Conference on National Conference on Discrete Mathematics held at St.Joseph's College(Autonomous), Tiruchirappalli, 9-10 January 2015.

7. International Conference on Graph Theory and its Applications held at Amrita School of Engineering, Amrita Vishwa Vidyapeetham University, Coimbatore, 16-19 December 2015.

8. National Conference on Advances in Applied Mathematical Sciences held at Cauvery College For Womwn, Trichy, 12-13 August 2016.

9. Short Term Training Programme on Graph Theory and Its Applications(STTP-2017) held at SRM University, Kattnkulathur, Chennai, 03-04 November 2017.

10. International Conference on Discrete Mathematics held at St. Joseph's College(Autonomous), Trichy, 7 -9 January 2019.