Basic Details:

- **Name:** Dr. R. Binthiya

- **Designation:** Assistant Professor

- **PhoneNumber:** 044 - 43923042

- **EmailID:** binthiyr@srmist.edu.in

- **Areaor Subject:** Mathematics / Graph Theory

- **Affiliation:** Department of Mathematics, SRM Institute of Science and Technology, Ramapuram.

Educational Details:

- **Degree, University, Awarded Year**

  - B.Sc., Mathematics, Manonmaniam Sundaranar University, Tirunelveli, 2004, Women's Christian College, Nagercoil, Tamilnadu.

  - M.Sc., Mathematics, Manonmaniam Sundaranar University, Tirunelveli, 2006, Holy Cross College, Nagercoil-4, Tamilnadu.

  - M.Phil., Mathematics, Manonmaniam Sundaranar University, Tirunelveli, 2007, DDCE.

  - Ph.D., Noorul Islam Centre for Higher Education, Kumaracoil, 2015, Tamilnadu.

  - SET - Mathematical Sciences, TNSET 2016, Mother Teresa Women's University, Tamilnadu.

  - NET – Mathematical Sciences, CSIR UGC NET, New Delhi, 2017.

Research Interests: Graph Theory.

Publications:

1. Jisha JJ, Binthiya R. Zero Divisor Graph Revelation and so its Multifarious Scope, European Chemical Bulletin, 2023, Vol. 12 (SI 6), 1231-1260.(SCOPOUS)

2. Uma M., Binthiya R., Cayley Graph Energy and change by a set of generators using Eigen Values with a novel of Approximation of a Molecule's Energy, European Chemical Bulletin, 2023, Vol. 12 (SI 6), 1210-1230.(SCOPOUS)

3. Sarasija P.B., Binthiya R., Bounds on the Seidel Energy of Strongly Quotient Graphs , (IJCSIS) Journal of Chemical and Parmaceutical Sciences, Vol. 10, Issue 1, **(2017),** 1-4, ISSN 0974-2115. (Impact factor: 1.42)

4. Binthiya R., Sarasija P.B., A note on Strongly Quotient Graphs with Harary Energy and Harary Estrada index, Applied Mathematics E - Notes, Vol.14**,(2014),** 97-106, ISSN 1607-2510. (SCOPOUS)

5. Binthiya R., Sarasija P.B., A note on Laplacian energy and Laplacian estrada index of Strongly quotient graphs, Far East Journal of Mathematical Sciences, Vol.93, No.1, **(2014),** 119 - 131, ISSN 0972-0871. (SCOPOUS)

6. Binthiya R., Sarasija P.B., On the Signless Laplacian Energy and Signless Laplacian Estrada Index of Extremal Graphs, Applied Mathematical Sciences, Vol. 8, no. 4, **(2014),** 193 - 198, ISSN 1312-885X. (SCOPOUS)

7. Some new Even Harmonious Graphs, Binthiya R., Sarasija P.B., International Journal of Mathematics and Soft Computing, Vol.4, No.2, **(2014),** 105 - 111, ISSN 2249 - 3328. (Universal impact factor: 0.5714)

8. Sarasija P.B., Binthiya R., Even Harmonious Graphs with Applications, (IJCSIS) International Journal of Computer Science and Information Security, Vol. 9, No.7**, (2011),** 161-163, ISSN 1947- 5500. (Impact factor: 0.423)

Academic Experience:

- Working as Assistant Professor in SRM Institute of Science and Technology, Ramapuram, Chennai from 8th August 2022 to till date.

- Worked as Assistant Professor in Noorul Islam Centre for Higher Education, Kumaracoil from 1st September 2010 to 5th August 2022.

- Worked as Lecturer in Noorul Islam College of Engineering, Kumaracoil, Kanyakumari Dist., from 20th February 2007 to 30th August 2010.

Other Professional Experience: NIL

Other Details:

Achievements and Awards:

- Completed "Engineering Mathematics I" NPTEL Online Certification Course with Topper and Elite Silver

(87%, 12 week Course) – 2023.

- Completed "Transform Calculus and Its Applications in Differential Equations" NPTEL Online Certification Course with Topper and Elite Gold (93%, 12 week Course) – 2019.
- Qualified "Tamilnadu State Level Eligibility" (SET) Test - 2016.
- Qualified "CSIR UGC NET National level Eligible" (NET) Test – Dec 2017 with 59th rank.
- Received the award 'Outstanding Academic Achiever' in 2019, by Noorul Islam Group of Institutions.
- Received the award 'Outstanding Academic Achiever' in 2018 by Noorul Islam Group of Institutions.

Membership: IAENG Membership, Membership Number: 337973.