Basic Details:

- **Name:**   Dr. D. Kavitha

- **Designation**:   Ph.D

- **PhoneNumber:**   8610340667

- **EmailID:**   kavithad5@srmist.edu.in

- **AreaorSubject:**   Complex Analysis

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

Degree, University, AwardedYear

- ➢ B.Sc – Mathematics, Madras University, 2004

- ➢ M.Sc-Mathematics, Thiruvalluar University, 2006

- ➢ M.Phil –Mathematics, Alagappa University, 2008

- ➢ Ph.D – Complex Analysis, Anna University, 2019

Research Interests: Geometric Function Theory

Publications:

- ➢ **D Kavitha**, K Dhanalakshmi, K Anitha, Toeplitz Determinant for Error Starlike & Error Convex Function, Mathematics and Statistics 11(2): 345-352, 2023
  DOI: 10.13189/ms.2023.110214.

- ➢ **Kavitha D**, Dhanalakshmi K& Manikandan P, A new subclass of bi-univalent functions associated with q-Chebyshev Polynomial, Int. J. Nonlinear Anal. Appl.
  In Press, 1–8 ISSN: 2008-6822 (electronic) http://dx.doi.org/10.22075/ijnaa.2022.28252.3845

- ➢ **Kavitha D**&Dhanalakshmi K, Studies on Coefficient Estimates and Fekete-Szegö Problem for a Class of Bi-Univalent Functions Associated With (p,q)-Chebyshev Polynomial, Communication in mathematics and Applications, Vol. 12, No. 3, pp. 691–697, 2021.

- ➢ Dhanalakshmi K, **Kavitha D**& Anbukarasi A, Coefficient estimates for bi-univalent functions in connection with (p,q) chebyshev polynomial, J. Math. Comput. Sci. 11 (2021), No. 6, 8422-8429

- ➢ **Kavitha D**, Dhanalakshmi K& Arulmozhi N, Fekete Szego Properties For The Class Of Mocanu Functions Associated with q-Ruscheweyh Operator, J. Math. Comput. Sci. 11 (2021), No. 1, 603-613.

- **Kavitha D**, Dhanalakshmi K& Arulmozhi N, Coefficient Estimates for Some Subclasses of Analytic Functions Associated with Haradam Polynomial , *Advances in Mathematics : Scientific Journal.*, Vol. 9, No. 12, 10091-10102*, 2020.*

- **Kavitha D**&Dhanalakshmi K, Subclasses of Analytic Functions with Respect to Symmetric Conjugate Points Bounded by Conical Domain., *Advances in Mathematics : Scientific Journal.*, Vol. 9, No. 1, 397-404*, 2020.*

- **Kavitha D**&Dhanalakshmi K, Certain coefficient estimates for a new class of analytic functions involving q-derivative operator., *Journal of Xi'an University of Architecture and Technology.*, Vol. XII, No. IV, 2407-2411*, 2020.*

- Dhanalakshmi K &**Kavitha D,** Fekete-Szegö inequality for a subclass involving the generalized K - Mittag-Leffler functions., Test Engineering and Management., Vol. 83, Pg No. 13795 – 13797, 2020.

- Dhanalakshmi, K &**Kavitha D,** Certain bounds for a subclasses of analytic functions of reciprocal order, Journal of Xidian University., Vol. 14, No.4., 124-130, 2020.

- Ramachandran C &**Kavitha D,** Sigmoid function associated with quasi-subordination, *Journal of Computational Analysis and Applications*, Vol. 28, No. 4, 670-678, 2020.

- Ramachandran C., Kavitha D &Wasim Ul-Haq, Fekete Szego problem for some subclasses of multivalent non-Bazilevic function using differential operator, *Journal of Computational Analysis and Applications.*, Vol. 26, No.2, 216–222, 2019.

- Ramachandran C., Kavitha D & Wasim Ul-Haq, Fekete Szego theorem for a close-to-convex error function, *Mathematica Slovaca.,* 69, no. 2, 391-398, 2019.

- Ramachandran C &**Kavitha D**., Toeplitz Determinant for Some Subclasses of Analytic Functions., *Global Journal of Pure and Applied Mathematics.*, *13*(2), 785-793, 2017.

- Ramachandran C &**Kavitha D**, Fekete-Szegö problem for some subclasses of analytic functions associated with quasi-subordination, *Global Journal of Pure and Applied Mathematics*, Vol. 13, Number 1, 2017.

- Ramachandran C., **Kavitha D**& Om. P. Ahuja, Fekete Szego Inequalities for Certain Generalized Classes of Multivalent Functions Associated with Salagean Operator., *Journal of Computational and Theoretical Nanoscience.,*Vol. 14, 1–3, 2017.

- Ramachandran C &**Kavitha D**, Coefficient estimates for some subclass of bi-univalent functions defined by Salagean operator using quasi-subordination, *Applied Mathematical Sciences*., Vol. 11, no. 35, 1725–1732, 2017.

- Ramachandran C &**Kavitha D**, Faber polynomial coefficient of bi-univalent functions with respect to symmetric q-derivative operator, *International Journal of Pure and Applied Mathematics*., Vol. 116, no. 2, 391–401, 2017.

- Ramachandran C., **Kavitha D**& Soupramanien T, Certain bound for q-starlike and q-convex functions with respect to symmetric points., *International Journal of Mathematics and Mathematical Sciences*, *2015*.

- Ramachandran C., **Kavitha D**& Annamalai S, Fekete-Szegö Coefficient for the Komatu Integral Operator in Unit Disk., *International Journal of Mathematical Analysis.*, *9*(19), 935-945, 2015.

Academic Experience: 16 Years

Other Professional Experience:nil

<u>Other Details:</u>

Achievements and Awards:

Memberships: ISTE, IFERP

Please send in your latest PASSPORT SIZE photograph.