

DR.S.KAVITHA

Assistant Professor

Department Of Mathematics

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SCOPUS ID : 57214984457

WEB OF SCIENCE

RESEARCHER ID : AAE-7800-2021

❖ ACADEMIC CONTRIBUTIONS

- Possessing more than 10 years of teaching experience and have a full time Ph.D
- Presently acting as the Staff Secretary for the Self support stream of the College
- A member of the NIRF committee from the self support stream
- Co-ordinator for the Adobe Spark ,a FDP conducted by CTS for staff and students
- College Union Vice President for the year 2019-2020
- Valuation Camp Member for the year 2018-2019
- Fine Arts Secretary (SFS) for the year 2017-2018
- Association Vice President of the Department for the year 2016-2017
- Organizing coordinator for the National Seminars and Workshops conducted by the department in various years
- Presented papers in various National and International Conferences one of which includes GFTA 2010 which was sponsored by CSIR
- Completed one Minor Research Project sponsored by SDNB Vaishnav college for women in the year 2018-2019 and have one on-going Minor Research Project sponsored by the same institution
- Referee for many reputed International Journals

❖ ACADEMIC DETAILS

Degree	University	Subject
Master of Science	Meenakshi College for Women, Chennai,Tamil Nadu, University of Madras	Mathematics
Master of Philosophy	Alagappa University Karaikudi Tamil Nadu	Mathematics/ Analysis
Doctor of Philosophy (Full Time)	Madras Christian College,Chennai, Tamil Nadu University of Madras	Mathematics/ Complex Analysis

❖ **Ph.D thesis title, Advisor's Name,
Institute/Organization/University, Year of Award:**

Ph.D thesis title : Studies on Certain subclasses of Analytic functions in the Unit disk.

Thesis Advisor : Dr.Thomas Rosy, Associate Professor of Mathematics, Madras Christian College, Chennai, Tamil Nadu.

Year of Award : **March 2011**

❖ **CONFERENCE VISITS ABROAD**

S.No	Name of the conference	Country	Sponsor
1	International Symposium —Geometric Function Theory and Applications'2009, 28, August 2009- 01 Sep 2009,	Sibiu, Romania	Nil
2	International Symposium —Geometric Function Theory and Applications'2010 27 – 31 August 2010,	Sofia – Bulgaria	CSIR under research scholar grant
3	Workshop for Geometric function theory research group, 05-11 October 2009	University Kebangsaan Malaysia, Malaysia, Malaysia	University Kebangsaan Malaysia, Mentor: Dr.MaslinaDarus

❖ **PUBLICATIONS (*LIST OF PAPERS PUBLISHED IN SCI JOURNALS*).**

- 1) **S. Kavitha**, S. Sivasubramanian and R. Jayasankar, Differential subordination and superordination results for Cho–Kwon–Srivastava operator, Comput. Math. Appl. **64**, no. 6, 1789—1803,(2012).
- 2) Thomas Rosy, **S. Kavitha** and G. Murugusundaramoorthy, Certain coefficient inequalities for some subclasses of analytic functions, Hacettepe Journal of Mathematics and Statistics, Volume 38 (3), 233 –242,(2009).
- 3) T. N. Shanmugam, S. Sivasubramanian, B.A.Frasin and **S. Kavitha**, On Sandwich theorems for certain subclasses of analytic functions involving Carlson-Shaffer Operator, J. Korean Math. Soc., Volume 45, Issue 3, 611-620, (2008).
- 4) T.N.Shanmugam, S. Sivasubramanian, MaslinaDarus and **S.Kavitha**, On

sandwich theorems for certain subclasses of non-Bazilevic functions involving Cho-Kim transformation, Complex Variables and Elliptic Equations, Volume 52, Issue 10 and 11, 1017 – 1028,(2007).

❖ **PUBLICATIONS (*LIST OF PAPERS PUBLISHED IN OTHER
REPUTED JOURNALS INDEXED BY UNIVERSITY GRANTS
COMMISSION*)**

- 5) **S.Kavitha**, On (p,q) -Quantum Calculus Involving Quasi- Subordination, Advances in Algebra and Analysis, 215-223, (2018). (**Springer**)
- 6) **S. Kavitha**, On Padmanabhan Type of Univalent Functions with Quasi-Subordination, Advances and Applications in Mathematical Sciences, Vol. 17, Issue 2, 319-330, (2017).
- 7) Thomas Rosy, **S. Kavitha**, Mugur Acu and G. Murugusundaramoorthy, On certain subclasses of pre-starlike functions, General Mathematics, Vol. 19, No.1, 3-18, (2011).(**Scopus Indexed**)
- 8) Thomas Rosy, **S. Kavitha** and G. Murugusundaramoorthy , Certain Subclasses of Analytic Functions Involving Complex Order, Inequality Theory and Applications, Volume 6 , pp. 37-42 (2010). (Book Series Edited by Y.J.Cho and Sever Dragomir, Nova Publishers USA).
- 9) **S. Kavitha**, S.Sivasubramanian and K.Muthunagai, A new subclass of meromorphic function with positive coefficients, Bull. Math. Anal. Appl. Volume3, Issue 3, Pages 109-1021, (2010). (**Emerging SCI**)
- 10) S. Owa, G. Murugusundarmoorthy, T. Rosy and **S. Kavitha**,. A unified class of uniformly convex functions involving Cho-Kim operator. Int. J. Open Problems Complex Anal., 2: 2074-2074(2010).
- 11) H. Silverman, Thomas Rosy and **S. Kavitha**, On Certain sufficient condition involving Gaussian hypergeometric functions, International Journal of Mathematics and Mathematical Sciences Volume 2009, Article ID 989603, 15 pages. (**Scopus indexed**)
- 12) T.N. Shanmugam, S.Sivasubramanian, **S. Kavitha**, On Certain Subclasses of Functions involving Complex Order, South East Asian Bull. Math.33,533-539,(2009). (**Emerging SCI**)
- 13) Thomas Rosy, **S. Kavitha**, and G. Murugusundaramoorthy, Certain results on multivalent functions involving Wright hypergeometric function, Acta

Universitatis Apulensis. Mathematics, Vol. 18,185-198, (2009).

- 14) T. N.Shanmugam, S. Sivasubramanian and **S.Kavitha**, Fekete-Szego inequality for certain Subclass of Analytic Functions, Vietnam J. Math. 36(1), 39—46, (2008). (**Emerging SCI**).
- 15) G. Murugusundaramoorthy, **S. Kavitha** and Thomas Rosy, Fekete-Szegö problem for some subclasses of analytic functions involving convolution, J. Comb. Math. Comb. Comput. 67, 217-222 (2008) (**Scopus Indexed**).
- 16) T. N.Shanmugam, S. Sivasubramanian and **S.Kavitha**, On the Unified class of Analytic functions associated with Carlson-Shaffer operator, Far East Journal of Mathematical sciences 26(3), 749—757, (2007). (**Scopus Indexed**)
- 17) G. Murugusundaramoorthy, **S. Kavitha** and Thomas Rosy, On the Fekete-Szego problem for some subclasses of analytic functions defined by convolution, Proc. Pakistan Acad. Sci. , 44 (4), 249-254, (2007). (**Scopus Indexed**)

❖ LIST OF SELECTED CONFERENCE PRESENTATIONS

- 1) Toeplitz determinants for Bazilevic functions connected with sine functions, National conference on Mathematical Analysis and Applications, National institute of technology, Dec 19-20,2019.
- 2) Region of variability for a class of analytic univalent functions defined by subordination, 2nd International conference on Mathematical Modelling, Applied Analysis and computation, JECRC University, Jaipur, August 08-10, 2019.
- 3) Region of Variability for the class of univalent functions, Indian Women and Mathematics, Annual conference 2019, Indian Institute of Technology Bombay, Mumbai, June 10-12, 2019.
- 4) Region of Variability for a Janowski class of Analytic univalent functions defined by subordination, International conference of Mathematical Analysis and computing, SSN College of Engineering, December 23-24, 2019.
- 5) Initial coefficient Bounds for Inverse coefficients of certain subclasses of univalent functions involving Quasi-Subordination, National Conference on Mathematical Techniques and its Applications, SRM University, January 5-6,2018.
- 6) International Conference On Mathematical Computer Engineering ICMCE 2017,VIT University, Chennai, November 3-4,2017.

- 7) On (p,q) Quantum Calculus Involving Quasi-Subordination, International Conference on Advances In Mathematical Sciences, VIT University, Vellore, December 1-2, 2017.
- 8) Certain connection between generalized Struve function and the class of Janowski functions, 24th International conference on finite or infinite dimensional complex analysis and applications, Anand International College Of Engineering, Jaipur, August 24-26, 2016.
- 9) On Padmanabhan Type Of Univalent Functions with Quasi-Subordination, National Level Conference on current scenario in Pure and Applied Mathematics, Kongunadu Arts and Science College, December 22-23, 2016.