

DEPARTMENT OF MATHEMATICS

FACULTY PUBLICATIONS

2016-2017

S. NO.	Name of the Faculty	Journal Publications		Paper Presented in Conference	
		National	International	National	International
1.	Dr.T.K.Suresh	-	1	-	-

LIST OF PUBLICATIONS- International Journal

1. **T.K.Suresh**, “Strong Differential Subordination and Superordination Properties of Phi-Like Functions”, Journal of Mathematical Research with Applications, Vol. 36, No.3, 2016, pp.291– 300.

2015-2016

S. NO.	Name of the Faculty	Journal Publications		Paper Presented in Conference	
		National	International	National	International
1.	Mr.T.K.Suresh	-	1	-	-

LIST OF PUBLICATIONS- International Journal

1. **T.K.Suresh**, “On meromorphically multivalent functions defined by multiplier transformation”, Bulletin of the Iranian Mathematical society, Vol. 41, No.3, 2015, pp.677– 697. **Impact factor: 0.270**

2014-2015

S. NO.	Name of the Faculty	Journal Publications	Paper Presented in Conference
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		National	International	National	International
1.	Dr.A.Gangadharan	-	3	-	-
2.	Mrs.S.R.Ananthalakshmi	-	1	-	-
3.	Mr.L.Vasu	-	2	-	-
4.	Dr.J.Louthur mary	-	1	-	-
5.	Mr.T.K.Suresh	-	1	-	1

LIST OF PUBLICATIONS- International Journal

1. **A.Gangadharan**, “ New Technique to Detect Redundant Constraints in Large Scale Linear Programming Problems ”,INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH,Vol.3,No.6,pp-16-18,2014 with **IMPACT FACTOR 1.865**.
2. **A.Gangadharan**, “ Sufficient conditions for certain types of functions to be parabolic starlike” ”,Australian journal of mathematical analysis and applications,Vol.10,No.10,pp-1-18 ,2014.
3. **A.Gangadharan**, “ Radius of strong starlikeness for some classes of analytic functions ”,Journal of Advances in mathematics,Vol.9,No.2,pp-1938-1945 2014.
4. **S.R.Ananthalakshmi**, ‘Performance Analysis for Queueing systems with close down time and server under maintenance’, International Journal of Systems Science, Vol46,No1,pp – 88-110,2015 with **IMPACT FACTOR 1.579**.
5. **L.Vasu**, “Even Sequential Harmonius Labeling On Path and Cycle Related Graphs”,Applied Mathematical Sciences,Vol.8,No.95,pp 4723-4728.

6. **L.Vasu**, “Felicitous Mean labeling of Some path and Cycle Related graphs ”,International Journal of Pure and Appled Mathematical sciences,Vol.7, No.2, pp.
7. **J.Lourthu Mary**, “Fekete-szego coefficient functional for k^{th} root transforms for universally prestarlike functions”, Bulletin of the Iranian Mathematical society, Vol. 40, No.6, pp.1403– 1411, 2014.
Impact factor: 0.270

LIST OF PAPERS PRESENTED IN CONFERENCE

1. **T. K. Suresh**, Presented the paper entitled Certain Third Order Differential Subordination jointly written by Dr. M. P. Jeyaraman, at the International Conference on Geometric Function Theory and its Applications (ICGFTA-2014), December 18-21, 2014, Organized by Department of Mathematics, Indian Institute of Technology Kharagpur, West Bengal.

2013-2014

S. NO.	Name of the Faculty	Journal Publications		Paper Presented in Conference	
		National	International	National	International
1.	Dr.A.Gangadharan	-	2	-	-
2.	Mrs.S.R.Ananthalakshmi	-	2	-	-
3.	Dr.J.Louthur Mary	-	3	-	-
4.	Mr.T.K.Suresh	-	1	-	-
5.	Mrs V.Radhika	-	-	1	-

LIST OF PUBLICATIONS- International Journal

1. **A.Gangadharan**, “Fekete- Szeogo problems for Quasi – subordination classes” – International journal of Research in Engineering and Sciences (IJRES) Vol I,No.8 , 2013,pp 25-30.
2. **A.Gangadharan**, “Selection of Constraints with a New Approach in linear programming Problems”, Applied Mathematical Sciences, Vol.8,2014,pp 1311-1321.
3. **S.R.Ananthalakshmi** , ‘An M/G/1 Bernoulli feedback retrial Queueing System with Negative Customers’ , International Journal of Operations Research.Vol13,No.2,pp-187-210,2013 with **IMPACT FACTOR of 1.5**.
4. **S.R.Ananthalakshmi**, ‘Transient and Steady State Analysis of Queueing System with Catastrophes and Impatient Customers’, International Journal of Mathematics in Operational Research,Vol6,No5.2014.
5. **T. K. Suresh**, “Subordination properties of multivalent functions defined by generalised multiplier transformation”, Journal of Complex Analysis, 2014 Article ID 187482, 1-12.
6. **J.Lourthu Mary** “Differential sandwich theorem for universally prestarlike functions of order alpha defined through linear operators”, Advances in applied mathematical analysis, Vol. 8, No.1, pp.23-39, 2013. **Impact factor: 0.254**
7. **J.Lourthu Mary** “Universally prestarlike functions of complex order”, Int. Journal of Math. Analysis, Vol. 7, No. 24, pp.1155 – 1164, 2013. **Impact factor: 0.3478**
8. **J.Lourthu Mary** “Integral property of universally prestarlike functions”, Journal of analysis and applications, Vol. 11, No. 1-2, pp.53– 58, 2013. **Impact factor: 0.245**

LIST OF PAPERS PRESENTED IN CONFERENCE

1.V.Radhika, Presented the paper entitled SUBORDINATIONS FOR ANALYTIC FUNCTIONS DEFINED BY AN OPERATOR ASSOCIATED WITH THE GENERALIZED BESSEL FUNCTION ,NCPM(2014),PP 19-21 Organized by Department of Mathematics, VIT.

2012-2013

S. NO.	Name of the Faculty	Journal Publications		Paper Presented in Conference	
		National	International	National	International
1.	Mrs.S.R.Ananthalakshmi	-	1	-	-
2.	Mr. T.K Suresh	-	3	2	1
3.	Mrs.Julie	-	1	-	1

LIST OF PUBLICATIONS- International Journal

1. **S.R.Ananthalakshmi** , ‘Performance analysis of an M/G/1 Queueing System Under Bernoulli vacation schedules with server setup and close down periods’ , Computers & Industrial engineering, Vol66, No.1, pp-1-9 ,2013 with **IMPACT FACTOR of 1.69**.
2. **T. K. Suresh**, Strong differential subordination and superordination of analytic functions, Journal of Mathematical Analysis and Applications, 385 (2), 2012, 854-864 with **IMPACT FACTOR of 1.119**.
3. **T. K. Suresh**, Strong differential subordination and superordination of analytic functions associated with Komatu operator, Int. J. Nonlinear Anal. Appl. 4, No. 2, 2013, 26-44 with **IMPACT FACTOR of 1.045**.
4. **T. K. Suresh**, Some Subclasses of p-Valent Analytic Functions, Global Journal of Science Frontier Research (F) Volume 13 Issue 3 Version 1.0, 2013, 15-25.
5. **J.Julie**, “ CARTESIAN PRODUCT OF AUTOMATA DERIVED FROM GRAPH STRUCTURES” , European Journal of Scientific Research , Vol 90, No 2, 2012, pp 289-303.

LIST OF PAPERS PRESENTED IN CONFERENCE

1. **T. K. Suresh**, Presented the paper entitled On certain subclass of multivalent functions involving Dziok-Srivastava operator jointly written by M. P. Jeyaraman, T. K. Suresh, and E. Keshava Reddy, at the International Conference on Special Functions and their Applications (ICSFA-2012), June

27-29, 2012, Organized by Department of Mathematics, S. V. National Institute of Technology, Surat - 395 007.

2. **T. K. Suresh**, On multivalent functions defined by a generalized multiplier transform, Presented in the National Symposium on Mathematical Methods and Applications 2012 at IIT Madras.
3. **T. K. Suresh**, “Some subclasses of p-valent analytic functions” jointly written by M. P. Jeyaraman, T. K. Suresh, and E. Keshava Reddy, at the National Conference on Recent Trends in Mathematics (NCRMT-2013), March 21-22, 2013, Organized by Department of Mathematics, Jawaharlal Nehru Technological University, College of Engineering, Anantapur-515002.
4. **J.Julie**, Presented a paper titled ,'GENERAL RESULTS ON AUTOMATA ARISING FROM CERTAIN GRAPH OPERATIONS 'with Dr.J.Baskar Babujee in the IEEE Sponsored International Conference on Applied Mathematics on Theoretical Computer Science ,at St Xavier’s Catholic College of Engineering , Nagercoil during 24-25 January, 2013, available in IEEE Xplore Digital library

2011-2012

S. NO.	Name of the Faculty	Journal Publications		Paper Presented in Conference	
		National	International	National	International
1.	Dr.A.Gangadharan	-	-	1	-
2.	Mrs.S.R.Ananthalakshmi	-	1	-	-
3.	Mr. T.K Suresh	-	3	1	-
4.	Mrs.V.Radhika	-	-	1	1
5.	Mrs.J.Julie	-	-	-	1

LIST OF PUBLICATIONS- International Journal

- 1. S.R.Ananthalakshmi,** ‘Queueing System with State Dependent Controlled Batch Arrivals and server under maintenance’, TOP: An Official Journal of Spanish Society of Statistics and Operations Research , Springer, Vol 19 (2) pages – 351-379 , December2011 with **IMPACT FACTOR of .766**
- 2. T. K. Suresh,** Strong differential subordination and superordination of analytic functions, Journal of Mathematical Analysis and Applications, 385 (2), 854-864 with **IMPACT FACTOR of 1.119.**
- 3. T. K. Suresh,** On certain subclass of multivalent prestarlike functions, Int. J. of Mathematical Sciences and Applications, Vol. 1, No. 3, September 2011, 1455-1465 with **IMPACT FACTOR of 1.318.**
- 4. T. K. Suresh,** On a subclass of p-valent prestarlike functions with negative coefficients defined by Dziok-Srivastava operator, International Journal of Computing and Mathematical Applications, Vol. 6, No. 2, 2012, 119-132.

LIST OF PAPERS PRESENTED IN CONFERENCE

- 1. A.Gangadharan,** Certain subclasses of Analytical functions involving complex order – proceedings of National conference on “Recent Trends in Advanced Mathematics” p 36-41 (2012)
- 2. T. K. Suresh,** Strong differential subordination and superordination of Phi-like functions, Presented in the National Symposium on Mathematical Methods and Applications 2011 at IIT Madras.
- 3. V.Radhika,** “CERTAIN SUFFICIENCY CONDITION on GENERALIZED HYPER GEOMETRIC FUNCTIONS”., Proceedings of the National conference on Recent Trends in Advanced Mathematics,(2012),42-49 .
- 4. V.Radhika,** “CERTAIN SUFFICIENCY CONDITION on GENERALIZED HYPER GEOMETRIC FUNCTIONS”., Proceedings of ICMSAA-2012.
- 5. J.Julie,** Presented a paper titled ,’AUTOMATA RESULTING FROM GRAPH OPERATIONS ‘ with Dr.J.Baskar Babujee in the IEEE Sponsored Fourth

International Conference on Advanced Computing ICoAC 2012 at the Department of Computer Technology , Anna University , Madras Institute of Technology Campus, Chennai during Dec 13-15, 2012 available in IEEE Xplore Digital library.

2010-2011

S. NO.	Name of the Faculty	Journal Publications		Paper Presented in Conference	
		National	International	National	International
1.	Dr.R.Sumitra	-	8	1	-
2.	Dr.A.Gangadharan	-	-	1	-
3.	Mr.T.K.Suresh	-	-	1	-
4.	Mrs.J.Julie	-	-	-	1

LIST OF PUBLICATIONS- International Journal

1. **Sumitra R.**, 'Common fixed point theorem for non-self mappings satisfying generalized Ciric type contraction condition in cone metric space', Fixed Point Theory and Applications, Vol.2010, article ID.408086, pp.1-17, 2010 with **Impact Factor 2.03**.
2. **Sumitra R.**, 'Fixed point theorems for T-nonexpansive mappings', Internat. J.Math.Sci.Engg.Appl., Vol.4, No.1, pp.397-405,2010 with **Impact Factor 0.502**.
3. **Sumitra R.**, 'Common fixed point theorem for more general occasionally non-commuting mappings', Internat. J. Contemporary Math. Sci., Vol.5, No.7, pp.333-340,2010 with **Impact Factor 0.208**.
4. **Sumitra R.**, 'Common fixed point and invariant approximation theorem for mappings satisfying generalized contraction principle', J.Math.Research, Vol.2, no.2, pp.135-140, 2010.

5. **Sumitra R.**, 'Common fixed point theorems for T-Hardy-Rogers contraction mapping in a cone metric space', Internat. Math. Forum, Vol.no.5, no.30, pp.1495-1506,2010.
6. **Sumitra R.**, 'Common fixed point theorems for uniformly subcompatible mappings satisfying more general condition in normed linear space', Advances in Theoretical and Applied Mathematics,Vol.5, no.1, pp.97-108 2010
7. **Sumitra R.**, 'Common fixed point theorem for Generalized T-Ciric nonexpansive type mappings using Picard's iteration method' Mathematical Communications, Vol.20, no.10, pp.1-11, 2010.
8. **Sumitra R.**, 'Common fixed point theorems for uniformly subcompatible mappings satisfying more general condition', Tamkang J.Mathematics, Vol.42, no.1, 2011.

LIST OF PAPERS PRESENTED IN CONFERENCE

1. **A.Gangadharan**, Certain Classes of functions of complex order defined through Ruschewegh Deritchhe" – Proceedings of National Conference on "recent Trends in Advanced Mathematics" p 10-20 (2010)
2. **Sumitra R.**, Rhymend Uthariaraj V., Hemavathy R.and Vijayaraju P.(2010), 'Common fixed point and best approximation theorems for uniformly subcompatible mappings' , Proceedings of the National Conference on Recent trends in Advanced Mathematics NCRTAM 2010, Easwari Engineering college, Ramapuram, Chennai.
3. **T. K. Suresh**, Coefficient bounds for certain subclasses of multivalent functions associated with hankel determinant, Presented in National Conference on Recent Trends in Advanced Mathematics 2010 at Easwari Engineering College, Ramapuram, Chennai-600 089.
4. **J.Julie**, Presented a paper titled "SPECIAL AUTOMATA FROM GRAPH STRUCTURES " , with Dr.J.Baskar Babujee in the International Conference on Mathematics and Computer science at Loyola college, Chennai, during JAN 7-8 , 2011.