

BIODATA

1. Name : **Dr. K. SHIVASHANKARA**
2. Name of the Father : KEMPE GOWDA
3. Date of Birth : 22.07.1968
4. Designation and Place of work : Assistant Professor,
Department of Mathematics,
Yuvaraja's College,
University of Mysore,
Mysore.
5. Address Permanent and Postal : K. SHIVASHANKARA,
#4400, J Block,
Dattagalli III Stage,
(Kanakadasa Nagara,)
Mysore - 570022
INDIA.
6. Educational Qualification
B.Sc : University of Mysore
M.Sc : University of Mysore
Ph.D : University of Mysore
7. Specialization : Graphtheory, Special Functions.
8. Area of Research Work : Special Functions, Number Theory
9. Details of research Degree :
Name of the Award : **Ph.D**
Title of the Thesis : **Some Studies in the Theory of
Special Functions and their
Applications**
Year of awarding the degree : 2003
Name of the University : University of Mysore

10. Teaching and Research Experience:

Name of the Institution	Period of Service	Designation
Yuvaraja's College University of Mysore	: 19.07.2007 to till date	Assistant Professor
Sri Mahadeshwara First Grade College, Kollegal	: 17.07.2006 to 18.07.2007	Assistant Professor
Yuvaraja's College University of Mysore	: 01.09. 2004 to 16.07.2006	Guest Lecturer
Mahajana's P. G. Center	: 01.04.2001 to 31.08.2004	Lecturer
D. Banumaiah's Science College, Mysore	: August 2001 to August 2004	Visiting Faculty
Vidyavardhaka First Grade College, Mysore	: 01.08.1993 to 31.03.2001	Lecturer

11. Other Details

Member of the Educational Institution:

- I. Life Member, SOCIETY FOR SPECIAL FUNCTIONS AND THEIR APPLICATIONS
- II. Life Member, BHARATA GANITA PARISAD
- III. Life Member of INDIAN MATHEMATICAL SOCIETY
- IV. Life member of INDIAN SOCIETY OF MATHEMATICS AND MATHEMATICAL SCIENCES
- V. Life Member of RAMANUJAN MATHEMATICAL SOCIETY
- VI. Life Member of THE INDIAN SCIENCE CONGRESS ASSOCIATION (L 16897)

Presented, Participated National and International Conference and Seminars:

1. Participated International conference on Geometry, Analysis, Fluid Mechanics and their applications & presented a paper "On some new continued fractions related to ${}_2\phi_1$ basic hypergeometric functions", Jan. 15-17, 2000, Kuvempu University.
2. Attended First National Conference of Society for Special Functions and their applications & presented a paper "On some continued fraction, expansion of ratio of ${}_2\phi_1$ ", March 03-04, 2000, Jodhpur.

3. Participated International Conference on the Works of Srinivasa Ramanujan, July 01-02, 2000, Mysore.
4. Participated in Workshop on new syllabus for B.Sc., July 25-26, 2000, DOS in Mathematics, University of Mysore, Mysore.
5. Attended 14th International Conference of the Jangjeon Mathematical Society, Dec. 22-24, 2003, Mysore.
6. Attended UGC sponsored orientation program held at Academic staff college, September 01-28, 2006, University of Mysore.
7. Participated in Workshop on Complete quality maintenance in higher education during February 19-21, 2007, organized by Dept. of higher education Mysore.
8. Attended 19th International Conference of the Jangjeon Mathematical Society, and give a invited talk on Geometric Series organized by Department of Mathematics, Central college Bangalore, February, 22-24, 2007
9. Attended 3 day National Seminar on Religion, Spirituality and Education challenging Globalized World, April 8-10, 2007, St. Philomena's College, Mysore.
10. Attended the 73rd Annual conference of the Indian Mathematical Society organized by the Department of Mathematics, University of Pune, Pune, during 27-30, December 2007
11. Attended the Workshop of ICDM-2008 at DOS in Mathematics, MGM, from 01-05, June 2008.
12. Participated in the International Conference on Discrete Mathematics organized by DOS in Mathematics, MGM from 06-10, June 2008.
13. Attended the workshop on Transformation theory of ordinary an Basic Hypergeometric functions at University of Gorakhpur, UP from 14-19, Feb 2009.
14. Participated and presented a paper entitled "A continued fraction of order twelve" at the 6th National Conference of Indian Society of Mathematics and Mathematical Sciences at Gorakhpur, UP from 20-21, February 2009.
15. Attended the one day State level seminar on Excitement in Mathematics held on 11th April 2009 at P.E.S. College of science, Mandya.
16. Participated 24th Annual Conference of Ramanujan Mathematical Society organized by Indian Statistical institute, Bangalore from 11-13 May, 2009.
17. Participated in the Symposium on Mathematics (Series-1) organized by Department of Mathematics, Central college Bangalore. May 18, 2009.
18. Participated in the Ramanujan Rediscovered 2009 conference from,1-5, June 2009 at III T-Bangalore.
19. Participated in the Symposium on Ramanujan's Mathematics organized by Department of Mathematics, Central college Bangalore. June 15, 2009.
20. Attended 22nd International Conference of the Jangjeon Mathematical Society, organized by Adichunchanagiri Institute of Technology Chikmagalure, August, 13-15, 2009.
21. Attended the 75th Annual conference of the Indian Mathematical Society organized by the Department of Discrete Mathematics (n-Cardmath),

Kalasalingam university Krishnankoil, Tamil Nadu, during 27-30, December 2009.

22. Participated 25th Annual Conference of Ramanujan Mathematical Society organized by Dr. B. R Ambedkar National Institute of Technology at Jalandhar from 3-5, May, 2010.
23. Attended the 3 days workshop on Ramanujan's Mathematics organized by THE NATIONAL ACADEMY OF SCIENCES, INDIA, from 22-24, Dec 2010, Allahabad.
24. Attended the 76th Annual conference of the Indian Mathematical Society organized by the Department of Applied Mathematics and Humanities S.V.N.I.T at Surat during 27-30, December 2010.
25. Participated 25th Annual Conference of Ramanujan Mathematical Society organized by Dr.B.R Ambedkar National Institute of Technology Jalandhar from 3-5, May, 2010.
26. Attended UGC sponsored Refresher course in the subject Mathematical sciences held at Academic staff college, June 10-30, 2010, University of Mysore, Mysore.
27. Attended and presented a paper "Works of Ramanujan" in the National conference on the Works of Srinivasa Ramanujan organized by DOS in Mathematics, Manasagangothri University of Mysore, Mysore 03 July 2010
28. Attended the 3 days workshop on Ramanujan's Mathematics organized by THE NATIONAL ACADEMY OF SCIENCES, INDIA, from 22-24, Dec 2010, Allahabad.
29. Attended the 98th THE INDIAN SCIENCE CONGRESS organized by S.R.M University, during 3-7, Jan 2011.
30. One of the Organizing Committee Member for National Conference On Applications of Mathematics and Statistics during March 25-26, 2011, in Department of mathematics, Yuvaraja's college, University of Mysore, Mysore.
31. Attended the 98th THE INDIAN SCIENCE CONGRESS organized by S.R.M University, during 3-7, Jan 2011.
32. Attended the 77th Annual conference of the Indian Mathematical Society organized by the School of Mathematical Sciences, S.R.T.M. University, Nanded, during 27-30, December 2011.
33. Attended National conference on Functional Analysis and its Applications (FAA -2012) held on 17-18, February 2012, at P.E.S college of Science, Arts and Commerce, Mandya
34. Attended the National Conference on Graph Theory and Number theory, NCGTNT-2012 held at University of Mysore, Mysore during 21-22 March 2012.
35. Attended One day state level workshop on Algebra and Graph Theory held on 29th March 2012, at Maharani's science college for women, Mysore.
36. Attended the International Conference on Works of Srinivasa Ramanujan and related topics held at University of Mysore, Mysore during 12-14, December 2012.

37. Attended UGC sponsored Refresher course in the subject Mathematical sciences held at Academic Staff College, March, 01-21, 2013, University of Mysore, Mysore.
38. Attended UGC sponsored Refresher course in the subject Mathematical sciences held at Academic Staff College, July, 03-23, 2013, University of Mysore, Mysore.
39. Attended and presented paper entitled “Negation Switching Equivalence in Signed Graphs” in the international conference of Jangjeon Mathematical Society, South Korea held at Acharya Institute of Graduate Studies, Bangalore during August 01-04, 2013
40. Attended International Seminar on Recent Trends in Mathematics held on 6th August 2013 at JSS college of Arts, Commerce and Science, Mysore.
41. Attended 29th Annual Conference of Ramanujan Mathematical Society 2014, held on 23-27 June 2014, at IISER Pune.
42. Attended UGC sponsored Refresher course in the subject Mathematical sciences held at Academic Staff College, July, 03-23, 2013, University of Mysore, Mysore.
43. Participated two day National seminar on Educational vision and mission of Swami Vivekananda, August,18-19,2014 held at Yuvaraja’s College, Mysore.
44. Participated in the International Conference on Emerging Trends in Mathematical Sciences, Chaired a session and delivered an invited talk on Hypergeometric series, during 25-26, July, 2014, held at VSK University, Bellary.
45. Organizing Committee Member for two days UGC Sponsored National Seminar on Statistical Method and Data Analysis, 26-27,September 2014, held at Yuvaraja’s College, Mysore.
46. Participated in the International Conference on Advances in Mathematical Sciences and Applications, during 22-23, Dec, 2014, held at AIT Chikkamagaluru.
47. Attended International Conference on Mathematics-Yesterday and Today held on 26-27, Dec, 2014 at JSS college of Arts, Commerce and Science, Mysore.
48. Attended the two day National Conference on Recent Advances in Applied Mathematics, during 22-23, January, 2015, held at St. Philomena’s College, Mysore.
49. Attended the two day National Conference on Recent Trends in Physics, Mathematics and Engineering, during 20-21, February, 2015, held at Sharada vilas College, Mysore.
50. Attended the One day National Conference on Mathematics and Its Applications, on 21 Feb, 2015, held at, University of Mysore, Mysore.

List of publications

1. K. Shivashankara, On some P-Q eta-function identities of Ramanujan, Indian Jour. Math., Vol. 44, No 2 (2002) 253-267, MR1980179 (2004h: 33032) (With C. Adiga and M. S. Mahadeva Naika).

2. K. Shivashankara, Some theta-function identities and new explicit evaluations of Rogers-Ramanujan continued fractions, *Tamsui Oxford J. Mathematical Sciences*, 18(1) (2002) 101-117, (With C. Adiga and K. R. Vasuki).
3. K. Shivashankara, Ramanujan's ${}_1\Psi_1$ summation formula and related identities, *Int. J. Appl. Math. Stat.*; Vol. 11; No. N07 (November 2007) 130-135. (With M. S. Mahadeva Naika).
4. K. Shivashankara, A note on explicit evaluations of products and ratios of class invariants, *Mathematical Forum*, Vol. XIII, 1999-2000, 58-68, (With K. R. Vasuki).
5. K. Shivashankara, On some new continued fraction expansions related ${}_2\phi_1$ basic hypergeometric functions, *Far East J. Math. Sci. (FJMS)*, 3 (3) (2001), 435-443, (With K. R. Vasuki).
6. K. Shivashankara, On Ramanujan's continued fractions, *Ganita*, Vol. 53, No. 1, (2002), 81-88, (With K. R. Vasuki).
7. K. Shivashankara, Some new values for the Rogers-Ramanujan continued fraction, *J. Indian Math. Soc.*, No. 69 (2002), (to appear) (With K. R. Vasuki).
8. K. Shivashankara, Some values for the ratios of theta-functions, *Math. Student*, Vol.72, No.1-4, (2003), 201-204, (With M. S. Mahadeva Naika).
9. K. Shivashankara, On some new explicit evaluations of Ramanujan's remarkable product of theta-function, *South East Asian J. Math. & Math. Sc.*, Vol.5, 1(2006), 107-119, (With M. S. Mahadeva Naika and B. N. Dharmendra).
10. K. Shivashankara, A continued fraction of order twelve, *Cent. Eur. J. Math.* 6 (2008),no. 3, 393-404, (With M. S. Mahadeva Naika and B. N. Dharmendra).
11. K. Shivashankara, A note on symmetric properties of twisted q -Bernoulli polynomials and the twisted generalized q -Bernoulli polynomials, *ADV. Difference Equ.* 2010, Art. ID 801580, 13pp. 11B68 (11S80 33D15 33E50) (with Jang, L. -C, Yi, H, Kim, T. Kim, Y. H. Lee, B.
12. K. Shivashankara, Total Minimal Dominating Signed Graph (with P. Siva Kota Reddy and S. Vijay) (communicated) (communicated).
13. K. Shivashankara Negation Switching Equivalence in SignedGraphs(with P. Siva Kota Reddy and K. V. Madhusudan) (communicated).
14. K. Shivashankara, Restricted super line Signed Graph (with P. Siva Kota Reddy and K V Madhusudan) (communicated).