




P.E.S. College of Engineering, Mandya



Faculty Profile

General

Name	Dr. G. Sharath	
Designation,	Assistant Professor	
Department & Affiliated Institution	Department of Mathematics, P.E.S College of Engineering, Mandya – 571 401	
Research Area	q-series & modular equations	
Contact Number	+91 9448064645	
Email ID	sharathg@pesce.ac.in	

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph.D	DOS in Mathematics, MGM, UOM	University of Mysore	2013	-	-
M.Sc	DOS in Mathematics, MGM, UOM	University of Mysore	2004	81.3%	Distinction
B.Sc	JSS College of Arts, Commerce and Science, Ooty Road, Mysuru	University of Mysore	2002	70.94%	First class

Research Achievements/Awards

Ph. D / M.Sc., Engg./M.Phil	Ph. D - Nil	M.Sc., Engg./M/Phil - Nil
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Professional Experience

Organization & Department	Designation	Period	Total of Experience
PG Dept. of Mathematics, BETAHE, , Bharathi College, Bharathinagara, Mandya District	Assistant Professor	01-08-2012 to 03-07-2015	2 Years 11 months
PG Dept. of Mathematics, Vidya Vikas FGC, VVET, Mysuru	Assistant Professor	06-07-2015 to 30-4-2021	5 Years 9 months

Report of Work for the Academic Year : 2019-20

Academics	Description of Academic records
Teaching Records (Details of courses taught)	<i>Undergraduate: Elements of Functional Analysis, Measure and Integration, Linear Algebra, Real Analysis-III, Number Theory</i>

Research Guidance (Ph.D /; Students awarded & pursuing)

Degree	Awarded	Pursuing
Ph. D	Nil	Nil
M.Sc Engg./ M/Phil	Nil	Nil

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
Nil	--	--	--

Research Publications in Refereed Journals and Conferences

No. of Publications in	National	International
Journals	01	10
Conferences	--	--

Other Important Responsibilities held in the College

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LIST OF PUBLICATION

Year 2009:

1. K. R. Vasuki and **G. Sharath**. (2009). On the $3\psi 3$ Basic Bilateral Hypergeometric Series Summation Formulas, *International J. Math. Combin.*, **4**, 41-48. ISSN 1937-1055, <http://fs.unm.edu/IJMC.htm>

Year 2010:

2. K. R. Vasuki, N. Bhaskar and **G. Sharath**. (2010). On a continued fraction of order six, *Annali Dell' Universita' di Ferrara*, **56(1)**, 77-89. ISSN: 1827-1510, <https://www.springer.com/mathematics/journal/11565>, DOI 10.1007/s11565-010-0090-4
3. K. R. Vasuki, **G. Sharath** and N. Bhaskar. (2010). General Formulas for Evaluation of Singular Modulus of the Complete Elliptic Integral, *Advanced Studies in Contemporary Mathematics*, **20(1)**, 29-56. ISSN 1229-3067, <http://www.jangjeon.or.kr/index.html>
4. K. R. Vasuki, Abdulrawf A. A. Khatan, **G. Sharath** and C. Satish Kumar. (2010). On a continued fraction of order 12, *Ukrainian J. of Mathematics*, **62(12)**, 1866–1878. ISSN: 1573-9376, <https://www.springer.com/mathematics/journal/11253>, <https://doi.org/10.1007/s11253-011-0476-1>
5. K. R. Vasuki, **G. Sharath** and K. R. Rajanna. (2010). Two Modular Equations for Squares of the Cubic-Functions with Applications, *Note di Matematica*, **30(2)**, 61-71. ISSN: 1123-2536 , <http://siba-ese.unisalento.it/index.php/notemat>
DOI Code: 10.1285/i15900932v30n2p61

Year 2011:

6. K.R. Vasuki, Abdulrawf A. A. Kahtan and **G. Sharath**. (2011). On the Series Expansion of the Ramanujan Cubic Continued Fraction, *International J. Math. Combin.*, **4**, 84-95, ISSN 1937-1055, <http://fs.unm.edu/IJMC.htm>
7. K. R. Vasuki , **G. Sharath** and K. R. Rajanna.(2011). On Some Identities of Ramanujan-Gollnitz-Gordon Continued Fraction, *NNTDM*, **17(4)**, 50–60. ISSN 1310-5132, <http://nntdm.net/>

Year 2012:

8. K. R. Vasuki and **G. Sharath**. (2012). On Ramanujan's modular equations of degree 35, *J. Math. Anal. Appl.*, **396(1)**, 13–20. ISSN: 0022-247X, <https://www.journals.elsevier.com/journal-of-mathematical-analysis-and-applications>
<https://doi.org/10.1016/j.jmaa.2012.05.081>

Year 2013:

9. K. R. Vasuki and **G. Sharath**.(2013). On Ramanujan's modular equations of degree 21, *J. of Number Theory*, **133(2)**, 437–445. ISSN: 0022-314X, <https://www.journals.elsevier.com/journal-of-number-theory>
<https://doi.org/10.1016/j.jnt.2012.08.010>

Year 2015:

10. K. R. Vasuki and **G. Sharath**.(2015). On a modular equations of degree 27, *J. of Indian Mathematical Society*, **82(1-2)**, 197–206. ISSN: 0019-5839, <http://www.indianmathsociety.org.in/jims.htm>

Year 2020:

11. B. R. Srivatsa Kumar and **G. Sharath**.(2020). Some Somo's Theta Function Identities of Level 6 and Application to Partitions, *Publications de l'Institut Mathématique*, **108(121)** , 137–144, ISSN: 0350-1302, DOI: <https://doi.org/10.2298/PIM2022137S>
<http://www.doiserbia.nb.rs/Article.aspx?id=0350-13022022137S#.YDt1OW8zbIU>