Dr D.S. Gireesh

Curriculum Vitae

"Repetition plays a key role in your life"-Gireesh

Current Address

Dr Gireesh D.S.
Assistant Professor
Department of Mathematics
B M S College of Engineering
Bull Temple Road, Basavanagudi
Bengaluru-560 019
Karnataka
India

Education

2013–2016	**Ph.D**, *Thesis Title:* A study on some new arithmetic properties of certain partition functions, Supervisor: M.S. Mahadeva Naika, Bangalore University, Bengaluru
2009–2011	**M.Sc. Mathematics**, *Central College Campus*, Bangalore University, Bengaluru
2005–2009	**B.Sc.**, *The National College, Bagepalli*, Bangalore University
2005	**PUC**, *The National College, Bagepalli*
2003	**SSLC**, *Govt. Junior College, Gudibande*

Research Fellow

- Senior Research Fellow, July 2015-June 2016
- Junior Research Fellow, July 2013-June 2015
  Project Title: Construction of Modular Equations in the spirit of Ramanujan
  Funding Agency: Science and Engineering Research Board (SERB), Govt. of India
  PI: Prof. M.S. Mahadeva Naika

Qualified

- **CSIR-UGC National Eligibility Test (NET)** 2012 & 2014

○ **Graduate Aptitude Test in Engineering (GATE)** 2012

Teaching Experience

○ Teaching Higher Engineering Mathematics at BMS College of Engineering, Bengaluru from the academic year 2023–present.

○ Taught Higher Engineering Mathematics and M.Sc. Mathematics at M S Ramaiah University of Applied Sciences, Peenya Industrial Area, Peenya, Bengaluru from the academic year 2017–2022.

○ Taught Higher Engineering Mathematics at Dayananda Sagar College of Engineering (DSCE), Kumaraswamy Layout, Bengaluru from the academic year 2016–2017.

○ Taught Higher Engineering Mathematics at University Visveswaraya College of Engineering (UVCE), Bangalore University, Bengaluru for the academic year 2014–2015.

Computer skills

Packages   Python, Matlab, LaTeX, Maple

Conferences and Workshops

Conference Presentations

2014 29th Annual Conference of Ramanujan Mathematical Society, June 23–27, Indian Institute of Science Education and Research (IISER), Pune.

2014   International Conference on Emerging Trends in Mathematical Sciences (ICETMS-2014), July 25–26, VSK University, Bellary.

Conferences and Workshops Participated

2014 80th Annual Conference of the Indian Mathematical Society, December 27–30, Indian School of Mines, Dhanbad.

2014   One day National Conference on Emerging Trends in Mathematics, April 25, Government Science College, Bengaluru.

2016   One week GIAN course on "Influence of Ramanujan in Number Theory", July 25–30, Tezpur University, Napam, Tezpur, Assam.

2019   International Conference on Number Theory and Graph Theory, June 27–29, University of Mysore, Mysore.

2020   International Conference on Number Theory, October 28–29, Bengaluru City University, Bengaluru.

2021   Two Days Expert Lecture Series on Current Trends in Mathematical and Physical Sciences, MSRUAS, Bengaluru.

2022   One Week Faculty Development Prgramme on "Role of Optimization in Computational Mathematics, Supply Chain Management & Engineering".

2023 One Week Faculty Development Prgramme on "Recent Trends in Cybersecurity & Blockchain Technology", BMSCE, Bengaluru.

2023 One Week Faculty Development Prgramme on "Computational Modelling and Statistical Analysis", BMSCE, Bengaluru.

2023 One Week Faculty Development Prgramme on "Mathematical Foundation for Data Science", BMSCE, Bengaluru.

2023 One Week Workshop on "Pedagogical Innovations", BMSCE, Bengaluru.

Publications

Papers Published

1 M.S. Mahadeva Naika and **D.S. Gireesh**, Arithmetic properties of partition k-tuples with odd parts distinct, Journal of Integer Sequences, 19 (2016), Article 16.5.7. **Impact Factor:0.548.**

2 M.S. Mahadeva Naika and **D.S. Gireesh**, Congruences for Andrew's singular overpartitions, Journal of Number Theory (**Elsevier**), 165 (2016), pp.109–130. **Impact Factor:0.649**.

3 M.S. Mahadeva Naika and **D.S. Gireesh**, Congruences for 3-regular partitions with designated summands, Integers, 16 (2016), pp.1–14 #A25.

4 M.S. Mahadeva Naika and **D.S. Gireesh**, Modular relations for J-invariant and explicit evaluations, Palestine Journal of Mathematics, 5 (2) (2016), pp.83–95.

5 M.S. Mahadeva Naika and **D.S. Gireesh**, Arithmetic properties arising from Ramanujan theta functions, The Ramanujan Journal (**Springer**), 42 (3) (2017), pp.601–615. **Impact Factor:1.005**.

6 **D.S. Gireesh**, M.D. Hirschhorn and M.S. Mahadeva Naika, On 3-regular partitions with odd parts distinct,The Ramanujan Journal (**Springer**), 44 (2017), pp.227–236. **Impact Factor:1.005**.

7 M.S. Mahadeva Naika, K. Sushan Bairy, **D.S. Gireesh** and N. P. Suman, Jacobi-Sohncke type mixed modular equations and their applications to overpartitions, Palestine Journal of Mathematics, 6 (1) (2017), pp.228–237.

8 **D.S. Gireesh**, Formulas for cubic partition with 3-cores, Journal of Mathematical Analysis and Applications (**Elsevier**), 453 (2017) pp.20–31. **Impact Factor:1.38**.

9 **D.S. Gireesh** and M.S. Mahadeva Naika, General family of congruences modulo large power of 3 for cubic partition pairs, New Zealand Journal of Mathematics, 47(2017), pp.43–56.

10 **D.S. Gireesh** and M.S. Mahadeva Naika, Recurrence relation to compute bipartition function, Rocky Mountain Journal of Mathematics, 48(1) (2018), pp.237–247. **Impact Factor:0.843**.

11 M.S. Mahadeva Naika and **D.S. Gireesh**, Congruences for overpartitions with restricted odd differences, Afrika Matematika (**Springer**),30 (2019), pp.1–21. **Impact Factor:1.054**

12 **D.S. Gireesh** and M.S. Mahadeva Naika, On 3-regular partitions in 3-colors, Indian Journal of Pure and Applied Mathematics (**Springer**), 50(1) (2019), pp.137–148. **Impact Factor:0.495.**

13 **D.S. Gireesh**, M.S. Mahadeva Naika, Shivashankar C., On 3 and 9-regular cubic partitions, Journal of Integer Sequences, 23 (2020), Article 20.7.2. **Impact Factor:0.548.**

14 **D.S. Gireesh**, Chiranjith Ray, Shivashankar C., A new analogue of t-core partitions, Acta Arithmetica (Polish Academy), 199 (2021), pp.33–53. **Impact Factor:0.558.**

15 Shivashankar C. and **D.S. Gireesh**, Congruences for ℓ-regular overpartitions into odd parts, Boletin de la Sociedad Matematica Mexicana (**Springer**), 28(1) (2022), pp.1–20.

16 Shivashankar C. and **D.S. Gireesh**, New congruences for ℓ-regular overpartition pairs, Afrika Matematika (**Springer**), 33(3) (2022), pp.1–12. **Impact Factor:1.054**

17 **D.S. Gireesh** and Shivashankar C., Congruences for overpartitions with ℓ-regular over-lined parts, Journal of Analysis (**Springer**), https://doi.org/10.1007/s41478-022-00464-4, (2022).

18 **D.S. Gireesh** and Hemanthkumar B., Partition-theoretic interpretation for certain truncated series, Journal of Integer Sequences, 26 (2023), Article 23.6.8 **Impact Factor:0.548.**

Reference

○ Prof. Pradeep G Siddheshwar
  Senior Professor
  Department of Mathematics
  School of Sciences, Bangalore Campus
  Christ University, Bengaluru.
  Mobile: +91-9449552834
  e-mail: mathdrpgs@gmail.com

○ Dr Mahesha Narayana
  Senior Lecturer & Graduate Coordinator
  Department of Mathematics
  The University of the West Indies
  Mona, Jamaica.
  Mobile: +1-8769772693
  e-mail: narayanamahesha@gmail.com

Personal Information

Father's Name	Shivanna
Mother's Name	Saraswathamma
Date of Birth	15/07/1987
Address	D.S. Gireesh, Dapparthi, Gudibande Taluk, Chickaballapur District-561 209, Karnataka
PAN	ARRPG7374H

Languages

Kannada, English, Telugu, Hindi

Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

D.S. Gireesh