Dr N.K. SUDEV

Curriculum Vitae

Objective

1. To become a competent teacher who can take academic initiatives and leadership, inspire students to perform well in their curricular and co-curricular activities and to mould them as responsible citizens of our nation.

2. To become a successful reseacher with notable works and a good motivator for young minds in their research.

Education

2012–2016   **Doctor of Philosophy (Ph. D.)**, *Kannur University*, Kannur-670002, Kerala, India, Date of Award :30, December 2016.
Supervisor: **Prof. (Dr) K.A. Germina**

Thesis Title: *Set-Valuations of Discrete Structures and Their Applications*

Description: This thesis discusses different types of integer additive set-valuations of graphs and other discrete structures such as hypergraphs and signed graphs and their characteristics and structural properties.

2005–2006   **Master of Philosophy (M.Phil.)**, *Madurai Kamaraj University*, Madurai, Tamil Nadu, India., *Second Class*.
Specialized in Mathematical Analysis

2003   **State Elibility Test (SET)**, *Government of Kerala*.
Mathematics

2001–2002   **Bachelor of Education (B. Ed.)**, *Mahatma Gandhi University*, Kottayam, Kerala, India., *First Class*.
Specialized in Mathematics Education

1998–2000   **Master of Science (M. Sc.)**, *University of Calicut*, Malappuram, Kerala, India., *First Class*.
Specialized in Pure Mathematics

1995–1998   **Bachelor of Science (B. Sc)**, *University of Calicut*, Malappuram, Kerala, India., *First Class*.
Mathematics (main) with Physics & Statistics (subsidiaries)

1993–1995	**Pre-Degree**, *University of Calicut*, Malappuram, Kerala, India., *First Class*. Mathematics, Physics & Chemistry (First Group)
1993	**SSLC**, *Board of Public Examinations*, Thiruvananthapuram , Kerala, India., *Distinction*.

Experience

Vocational

2018 May – Present	**Associate Professor**, CHRIST (Deemed to be University), Hosur Road, SG Palaya, Bangalore-560029, Karnataka, India.. Teaching Mathematics topics UG and PG classes.
2003 August – 2018 May	**Associate Professor**, Vidya Academy of Science & Technology, Thalakkottukara, Thrissur-680501, Kerala, India. Taught Engineering Mathematics courses for Bachelor of Technology (BTech), Master of Technology (MTech) and Computer Applications (MCA) Programmes.
2002 July – 2003 July	**Lecturer**, Nirmala College of Information Technology, Chalakudy, Thrissur, Kerala, India. Taught Mathematics for UG and PG Programmes in Information Technology and Management.
2008 June – 2012 May	**Visiting Faculty**, Sakthan Thampuran College of Mathematics & Arts, Thrissur-20, Kerala, India. Taught Mathematics topics in IT and Management classes.

Other Academic Responsibilities Held

Centre for Studies in Discrete Mathematics (CSDM)

2016–Till Date	**Centre Coordinator**, Centre for Studies in Discrete Mathematics (CSDM), Thrissur-680501, Kerala, India. Coordinating various academic and research activities of the Centre.
2016 – Present	**Managing Editor**, Contemporary Studies in Discrete Mathematics (e-ISSN : 2581-3676), The Journal by Centre for Studies in Discrete Mathematics, Thrissur-680501, Kerala, India. Managing the overall activities of the journal such as receiving, reviewing and publishing research articles.
2016 – Present	**Editor**, Bulletin of Centre for Studies in Discrete Mathematics, The official newsletter of Centre for Studies in Discrete Mathematics, Thrissur-680501, Kerala, India.

Other Responsibilities Held

2016 June – 2018 May	**Academic Coordinator**, Vidya Academy of Science & Technology, Thalakkottukara, Thrissur-680501, Kerala, India. Coordinated academic activities of Vidya Academy of Science & Technology, Thalakkottukara, Thrissur, Kerala, as per the directions of APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala.
2015 June – 2018 May	**External Examiner**, Kerala Agricultural University, Thrissur, Kerala, India. Served as a question paper setter and external examiner of the Mathematics Courses of the Kerala Agricultural University.

Awards

2017 **Best Presenter** award in the Science Category for the presentation of the paper *Certain types of sumset labeling of graphs* in the International Conference on Science, Engineering, Technology and Management held at Kuriakose Elias College, Mannanam, Kottayam, India, during 08-09, March 2017.

Languages Known

Mothertongue	**Malayalam**	
Intermediate	**English**	*Conversationally fluent*
Basic	**Hindi**	*Basic understanding*

Computer skills

Basic	WINDOWS, LINUX, MS OFFICE, OPENOFFICE.
Intermediate	MAPLE, MAXIMA & SCILAB
Advanced	LATEX

Other Interests

Sports: Cricket, Tennis, Chess.

Others: Music, Movies, Reading.

PERSONAL

Date of Birth: 23, February 1978.

Nationality: Indian

Birth Place: Nandikkara, Thrissur, Kerala, India.

Father: N.V. Krishnan Namboodiri

Mother: A.M. Savithri

Spouse: K.P. Chithra

Professional Memberships

KMA	**Kerala Mathematical Association**	*Life Membership.*
AMTI	**Association of Mathematics Teachers of India**	*Life Membership.*
ISTE	**Indian Society for Technical Education**	*Life Membership.*
IAENG	**International Association of Engineers**	*Life Membership.*
AMS	**American Mathematical Society**	*Annual Affiliate Membership.*
ISDS	**International Society for Developments & Sustainability**	*Life Membership.*
ADMA	**Academy of Discrete Mathematics and Applications**	*Life Membership.*
SSFA	**Society for Special Functions and Applications (India)**	*Life Membership.*
MTA(I)	**Mathematics Teachers' Association (India)**	*Life Membership.*

Reviewer to Indexing & Reviewing Services

- **Mathematical Reviews/MathSciNet** (Reviewer No.-113363) - American Mathematical Society.

- **Zentralblatt MATH**(Reviewer No.-15804) - European Math. Society & FIZ Karlsruhe, Germany.

- **Computing Reviews** (Reviewer No. 13606) - Association of Computing Machinery.

- **MAA Reviews** - Mathematical Association of America.

Editorial Experiences

- Global Journal of Mathematics (GPC Publishers, India., ISSN: 2395–4760).

- International Journal of Advanced Mathematical Sciences (Science Publishing Company, Germany).

- International Journal of Applied Graph Theory (Mount Star Publications, India).

- International Journal of Discrete Mathematics (Science Publishing Group, USA.).

- Mathematical Journal of Interdisciplinary Sciences (Chitkara University, Punjab., ISSN: 2278-9561)

- MJ Journal of Discrete Mathematics (Math-Journals Publications).

- MJ Journal of Mathematics (Math-Journals Publications).

- Open Journal of Discrete Mathematics (Scientific Research Publishing, China).

- Open Journal of Discrete Applied Mathematics (Ptolemy Instt. of Scientific Research & Technology, Pakisthan).

- Pure and Applied Mathematics Journal (Science Publishing Group, USA).

- SCIREA Journal of Mathematics (Science Research Association.)

Reviewer/Referee to the Journals

- American Journal of Applied Sciences, (Science Publications, ISSN:1554-3641).

- Applied Mathematical Sciences (Hikari Journals., Bulgaria., ISSN: 1312-885X).

- Ars Combinatoria (The Charles Babbage Research Centre, Canada., ISSN: 0381-7032.)

- Asian-European Journal of Mathematics (World Scientific, Singapore., ISSN:1793-5571).

- Asian Journal of Mathematics and Computer Research (International Knowledge Publications, Manchester., ISSN: 2395-4213).

- Asian Research Journal of Mathematics (Science Domain International, London).

- British Journal of Mathematics and Computer Science (Science Domain International, London., ISSN: 2231-0851).

- Carpathian Mathematical Publications, (Ivano-Frankivsk Mathematical Society, Ukraine., ISSN: 2075-9827).

- Cogent Mathematics, (Taylor & Francis Online, ISSN: 2331-1835).

- Discrete Mathematics, (Elsevier, ISSN: 0012-365X).

- Discrete Mathematics, Algorithms and Applications (World Scientific, Singapore, ISSN: 1793-8309).

- Electronic Journal of Graph Theory and Applications (Indonesian Combinatorial Society, ISSN: 2338-2287).

- Far East Journal of Mathematical Sciences (Pushpa Publishing House, Allahabad, India., ISSN: 0972-0871).

- Indian Journal of Discrete Mathematics (Academy for Discrete Mathematics and Application)

- International Journal of Contemporary Mathematical Sciences (Hikari Journals., Bulgaria., ISSN: 1312-7586).

- International Mathematical Forum (Hikari Journals., Bulgaria., ISSN: 1312-7594).

- Iranian Journal of Fuzzy Systems (University of Sistan and Baluchestan, Iran, ISSN: 1735-0654)

- Journal of Algebra, Combinatorics, Discrete Structures and Applications (Yildiz Technical University, Turkey ISSN:2148-838X).

- Journal of Combinatorial Mathematics and Combinatorial Computing (The Charles Babbage Research Centre, Canada., ISSN: 0835-3026).

- Journal of Graph Labeling, (ISSN: 2454-4515).

- Journal of Indonesian Mathematical Society (ISSN: 2460-0245).

- Journal of Mathematical and Fundamental Sciences (ITB Journal Publisher, Indonesia).

- Journal of Mathematics and Statistics (Science Publications, New York., ISSN: 1549-3644).

- Journal of Scientific Research and Reports (Science Domain International, London., ISSN:2320-0227).

- Mathematical Journal of Interdisciplinary Sciences (Chitkara University, Punjab., ISSN: 2278-9561)

- Mathematics (MDPI AG, Switzerland, ISSN: 2227-7390).

- National Academy Science Letters (National Academy of Sciences, India., ISSN: 0250-541X).

- Open Journal of Discrete Mathematics (Scientific Research Publishers, USA., ISSN: 2161-7635).

- PLOS ONE (PLOS, California, USA., ISSN: 1932-6203)

- South Asian Journal of Mathematics, (South Asian Press, Singapore., ISSN:251-1512).

- Southeast Asian Bulletin of Mathematics (Southeast Asian Mathematical Society, Hongkong).

- Thai Journal of Mathematics (Mathematical Association of Thailand, ISSN 1686-0209).

○ Utilitas Mathematica (Utilitas Mathematica Publishing Inc. Winnipeg, Canada,ISSN: 0315-3681).

Books Written

2018 **Topics in Graph Theory**, *Author: Sudev Naduvath*, Publisher: Owl Books, Thiruvananthapuram, Kerala, India., Lecture Notes.
ISBN: 978-93-8566-621-6

2018 **An Introduction to Sumset Labeling of Graphs**, *Author: Sudev Naduvath, Germina Augustine*, Publisher: Lambert Academic Publishers, Germany., CSDM Research Books Series.
ISBN: 978-613-9-58087-3

2017 **Lecture Notes on Graph Theory**, *Author: Sudev Naduvath*, Publisher: Centre for Studies in Discrete Mathematics, Thrissur, India., CSDM Lecture Notes Series.
ISBN: 978-93-5291-147-9

Research Publications

Published Papers

82. N.K. Sudev, C. Susanth, S.J. Kalayathankal, *On the rainbow neighbourhood number of Mycielski type graphs*, International Journal of Applied Mathematics, Vol.31 , Issue.6, 2018, pp.797–803, DOI: 10.12732/ijam.v31i6.8.

81. J.K. Sebastian, J.V. Kureethara, S.Naduvath, C. Dominic, *On Star Decomposition and Star Number of Some Graph Classes*, International Journal of Scientific Research in Mathematics and Statistics, Vol.5 , Issue.6, 2018, pp.78–82, DOI: 10.26438/ijsrmss/v5i6.7882.

80. N.K. Sudev, K.P. Chithra and K.A. Germina, *Integer additive set-filter graphs*, Journal of Abstract and Computational Mathematics, Vol. 3, No. 3, 2018, 8–15.

79. E. G. Mphako-Banda, J. Kok and N. K. Sudev, *Chromatic probability index of certain cycle related graphs*, Far East Journal of Mathematical Sciences, Vol. 107, No. 2, 2018, pp. 415–432, DOI: 10.17654/MS107020415. (Included in UGC List).

78. N.K. Sudev, K.A. Germina, *A study on arithmetic integer additive set-indexers of graphs*, Journal Informatics and Mathematical Sciences, Vol. 10, No. 1-2, 2018, pp. 321–332, DOI: 10.26713/jims.v10i1+&+2.617. (ESCI Indexed).

77. N.K. Sudev, C. Susanth, Johan Kok, S.J. Kalayathankal, *Some new results on the curling number of graphs*, Journal of Combinatorial Mathematics and Combinatorial Computing, Vol. 105, 2018, pp. 117–130. (Scopus & ESCI Indexed, Included in UGC List).

76. E.G. Mphako-Banda, J. Kok, N.K. Sudev, *Some properties of Fibonacci-Sum set-graphs*, Contemporary Studies in Discrete Mathematics, Vol. 2, Issue 2, 2018, 43–47.

75. Johan Kok, Sudev Naduvath, Muhammad Kamran Jamil, *Dominating Chromatic Weights of Graphs*, Applied Mathematics E-Notes, Vol. 18, 2018, pp. 51–61. (Scopus & ESCI Indexed, Included in UGC List).

74. Johan Kok, N.K. Sudev, *A Note on the tattoo index of graphs*, Southeast Asian Bulletin of Mathematics, Vol. 42, No: 4, 2018, pp. 585–592. (ESCI Indexed, Included in UGC List).

73. Sudev Naduvath, *Equitable coloring parameters of certain graph classes*, Discrete Mathematics, Algorithms and Applications, Vol. 10, Issue-3, 2018., pp.1–12, DOI: 10.1142/S1793830918500404. (Scopus & ESCI Indexed, Included in UGC List).

72. N.K. Sudev, K.P. Chithra, K.A. Germina, S. Satheesh and J. Kok, *On certain coloring parameters of Mycielski graphs of some graphs*, Discrete Mathematics, Algorithms and Applications, Vol. 10, Issue-3, 2018., pp. 1–21, DOI:10.1142/S1793830918500301. (Scopus & ESCI Indexed, Included in UGC List).

71. Susanth Chandoor, Sudev Nduvath and Sunny Joseph Kalayathankal, *Some new results chromatic curling number of graphs*, Research & Reviews: Discrete Mathematical Structures, Vol.5, Issue 1, pp. 10–20. (Included in UGC List).

70. P.K. Ashraf, K.A. Germina, N.K. Sudev, *A study on set-valuations of signed graphs*, International Journal of Mathematical Combinatorics, Vol. 2018, Issue 1, 2018, 34–40. (Included in UGC List).

69. Johan Kok, N.K. Sudev, K.P. Chithra, *On the curling number of certain graphs*, Southeast Asian Bulletin of Mathematics Vol. 42, Issue 2, 2018, 195–209. (ESCI Indexed & Included in UGC List).

68. Smitha Rose, Sudev Naduvath, *Chromatic topological indices of certain cycle related graphs*, Contemporary Studies in Discrete Mathematics, Vol. 2, Issue 1, 2018, 57–68.

67. Smitha Rose, Ida David, Sudev Naduvath, *On chromatic D-polynomial of graphs*, Contemporary Studies in Discrete Mathematics, Vol. 2, Issue 1, 2018, 31–43.

66. Johan Kok, Sudev Naduvath, Jerlin Seles, U. Mary, *On the chromatic core subgraph of simple graphs*, Contemporary Studies in Discrete Mathematics, Vol. 2, Issue 1, 2018, 13–20.

65. Sudev Naduvath, Chithra Kaithavalappil, Germina Augustine, *A note on the sparing number of generalised Petersen graphs*, Journal of Combinatorics, Information and System Sciences, Vol. 42, Issue 1–2, 2017, pp. 23–31. (Included in UGC List).

64. N.K. Sudev and K.A. Germina, *A note on sparing number algorithm of graphs*, Journal of Information and Optimization Sciences , Vol. 38, Issue 8, 2017, pp. 1291–1296, DOI : 10.1080/02522667.2016.1247508. (Scopus & ESCI Indexed, Included in UGC List).

63. N.K. Sudev, K.P. Chithra and Johan Kok, *Some results on b-colouring parameters of graphs*, Southeast Asian Bulletin of Mathematics, Vol. 41, Issue 6, 2017, pp. 909–920. (Scopus & ESCI Indexed, Included in UGC List).

62. N.K. Sudev, C.V. Rachana, C. Susanth and S.J. Kalayathankal, *A study on equitable chromatic curling number of graphs*, Contemporary Studies in Discrete Mathematics, Vol. 1, Issue, 1, 2017, pp. 53–60.

61. Johan Kok, Sudev Naduvath and Eunice Goo Mphako-Banda, *On the fading number of graphs*, Contemporary Studies in Discrete Mathematics, Vol. 1, Issue 1, 2017, pp. 37–42.

60. C.Susanth, N.K. Sudev and S.J. Kalayathankal, *On the chromatic curling number of graphs* , Contemporary Studies in Discrete Mathematics, Vol. 1, Issue 1, 2017, pp. 21–30.

Dr **N.K. Sudev**, Naduvath Mana, Nandikkara. P. O., Thrissur-680301, Kerala, India.
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59. K.P. Chithra, E.A. Shiny and N.K. Sudev, *On equitable colouring parameters of certain wheel related graph classes*, Contemporary Studies in Discrete Mathematics, Vol. 1, Issue 1, 2017, pp. 03–12.

58. Smitha Rose and Sudev Naduvath, *On chromatic topological indices of certain wheel related graphs*, International Journal of Mathematical Sciences & Engineering Applications, Vol. 11, Issue 3, 2017, pp. 129-144. (Included in UGC List).

57. C. Susanth, S.J. Kalayathankal and N.K. Sudev, *A study on blotting number of graphs*, International Journal of Mathematical Sciences & Engineering Applications, Vol. 11, Issue 3, 2017, pp. 165–177. (Included in UGC List).

56. N.K. Sudev and K.A. Germina, *A note on dispensing number algorithm of graphs*, Journal of Information and Optimization Sciences , Vol. 38, Issue 3-4, 2017, pp. 615-620, DOI:10.1080/02522667.2017.1303945. (Scopus & ESCI Indexed, Included in UGC List).

55. Johan Kok, N.K. Sudev, *A note on graphically summable sequences*, Journal of Information and Optimization Sciences , Vol. 38, Issue 3-4, 2017, pp. 603-613, DOI: 10.1080/02522667.2017.1303943. (Scopus & ESCI Indexed, Included in UGC List).

54. N.K. Sudev, K.P. Chithra and K.A. Germina, *Topological integer additive set-valued graphs: A review*, Research & Reviews: Discrete Mathematical Structures, Vol. 4, Issue-3, 2017, pp. 1-17. (Included in UGC List).

53. N.K. Sudev, K.P. Chithra, S. Satheesh and Johan Kok, *On certain parameters of equitable colouring of graphs*, Discrete Mathematics, Algorithms and Applications, Vol. 9, No.4, 2017, pp. 1-10, DOI: 10.1142/S1793830917500549. (Scopus & ESCI Indexed, Included in UGC List).

52. N.K. Sudev, K.P. Chithra and K.A. Germina, *Switched signed graphs of integer additive set-valued graphs*, Discrete Mathematics, Algorithms and Applications, Vol. 9, No.4, 2017, pp. 1-10, DOI: 10.1142/S1793830917500434. (Scopus & ESCI Indexed, Included in UGC List).

51. Sudev Naduvath, *A study on modular sumset labeling of graphs*, Discrete Mathematics, Algorithms and Applications, Vol. 9, No.3, 2017, pp. 1-16, DOI: 10.1142/S1793830917500392. (Scopus & ESCI Indexed, Included in UGC List).

50. N.K. Sudev and K.A. Germina, *A study on prime arithmetic integer additive set-indexers of graphs*, Proyecciones Journal of Mathematics, Vol. 36, No. 2, 2017, pp. 195-208, DOI: 10.4067/S0716-09172017000200195. (Scopus Indexed, Included in UGC List).

49. Sudev Naduvath, *A study on the product set-labeling of graphs*, Advances in Pure and Applied Mathematics, Vol.8, Issue-2, 2017, pp. 121-127, DOI: 10.1515/apam-2016-0098. (Scopus & ESCI Indexed, Included in UGC List).

48. Johan Kok, N.K. Sudev, K.P. Chithra and U. Mary, *Jaco-type graphs and black energy dissipation*,Advances in Pure and Applied Mathematics, Vol.8, Issue-2, 2017, pp. 141–152, DOI: 10.1515/apam-2016-0056. (Scopus & ESCI Indexed, Included in UGC List).

47. Johan Kok, N.K. Sudev and U Mary, *On chromatic Zagreb indices of certain graphs*, Discrete Mathematics, Algorithms and Applications, Vol. 9, Issue:1, 2017, pp. 1750014:1–14, DOI: 10.1142/S1793830917500148. (Scopus & ESCI Indexed, Included in UGC List).

46. N.K. Sudev, K.P. Chithra and K.A. Germina, *A review on graceful and sequential integer additive set-labeled graphs*, Cogent Mathematics, Vol.3, 2016, pp.1–14., DOI:10.1080/23311835.2016.1238643. (Scopus & ESCI Indexed, Included in UGC List).

45. N.K. Sudev, K.P. Chithra, S. Satheesh and Johan Kok, *A study on the injective colouring parameters of certain graphs*, Discrete Mathematics, Algorithms and Applications, Vol. 8, No: 3, 2016, pp. 1–12, DOI: 10.1142/S179383091650052X. (Scopus & ESCI Indexed, Included in UGC List).

44. N.K. Sudev, K.P. Chithra and Johan Kok, *Certain chromatic sums of some cycle related graph classes*, Discrete Mathematics, Algorithms and Applications, Vol. 8, No: 3, 2016, pp. 1–16, DOI: 10.1142/S1793830916500506. (Scopus & ESCI Indexed, Included in UGC List).

43. Johan Kok and N.K. Sudev, *The b-chromatic number of certain graphs and digraphs*, Journal of Discrete Mathematical Sciences and Cryptography, Vol.19, Issue-2, pp. 435–445, DOI: 10.1080/09720529.2016.1160512. (Scopus & ESCI Indexed, Included in UGC List).

42. N.K. Sudev, K.P. Chithra and K.A. Germina, *On integer additive set-valuation of finite Jaco graphs*, Journal of Informatics and Mathematical Sciences, Vol. 8, No: 2, 2016, pp. 113–121. (ESCI Indexed, Included in UGC List).

41. C. Susanth, S. J. Kalayathankal and N.K. Sudev, *A note on McPherson number of graphs*, Journal of Informatics and Mathematical Sciences, Vol. 8, No: 2, 2016, pp. 123–127. (ESCI Indexed, Included in UGC List).

40. Johan Kok, N.K. Sudev and K.P. Chithra, *A study on Jaco-type graphs*, Journal of Informatics and Mathematical Sciences, Vol. 8, No: 2, 2016, pp. 105–112. (ESCI Indexed, Included in UGC List).

39. Johan Kok and N.K. Sudev, *A study on total irregularities of certain graphs and digraphs*, Cogent Mathematics, Vol.3, Issue-1, 2016, pp. 1–10, DOI:10.1080/23311835.2016.1179708. (Scopus & ESCI Indexed, Included in UGC List).

38. Johan Kok, N.K. Sudev and K.P. Chithra, *On the Pythagorean holes of certain graphs*, International Journal of Pure and Applied Mathematics, Vol.107, Issue-1, 2016, pp. 187–200, DOI:10.12732/ijpam.v107i1.15. (Scopus Indexed, Included in UGC List).

37. Johan Kok, N.K. Sudev and K.P. Chithra, *Generalised colouring sums of graphs*, Cogent Mathematics, Vol.3, Issue-1, 2016, pp. 1–14, DOI:10.1080/23311835.2016.1140002. (Scopus & ESCI Indexed, Included in UGC List).

36. N.K. Sudev, K.A. Germina, *Integer additive set-valuations of signed graphs*, Carpathian Mathematical Publications, Vol. 7, No. 2, 2015, pp. 236–246. (ESCI Indexed, Included in UGC List).

35. Johan Kok, N.K. Sudev, *A study on sprout graphs*, International Journal of Pure and Applied Mathematics, Vol. 105, No. 2, 2015, pp. 235-255., DOI: 10.12732/ijpam.v105i2. (Scopus Indexed, Included in UGC List).

34. N.K. Sudev, K.A. Germina, *A study on topogenic integer additive set-labeled graphs*, Journal of Advanced Research in Pure Mathematics, Vol.7, Issue. 3, 2015, pp. 15-22., DOI: 10.5373/jarpm.2230.121314.

33. N.K. Sudev, K.A. Germina, *On integer additive set-sequential graphs*, International Journal of Mathematical Combinatorics, Vol. 3(2015), 2015, pp. 125-133. (Included in UGC List).

32. N.K. Sudev, K.A. Germina, *On the hypergraphs associated with certain integer additive set-labeled graphs*, Journal of Advanced Research in Applied Mathematics, Vol.7, Issue. 4, 2015, pp. 23-33., DOI: 10.5373/jaram.2287.021015.

31. N.K. Sudev, K.A. Germina, *Some new results on weak integer additive set-labeled graphs*, International Journal of Computer Applications, Vol. 128, Issue 1, pp. 1–5, DOI:10.5120/ijca2015906514.

30. Johan Kok, N.K. Sudev, and K.P. Chithra, *A study on edge-set graphs of certain graphs*, International Journal of Computer Applications, Vol. 127, Issue 6, pp. 1–5, DOI: 10.5120/ijca2015906385.

29. N.K. Sudev, K.A. Germina and K.P. Chithra, *A creative review on weak integer additive set-labeled graphs*, Asian European Journal of Mathematics, Vol. 8. Issue-3, 2015, pp.1–22; DOI:10.1142/S1793557115500527. (Scopus & ESCI Indexed, Included in UGC List).

28. N.K. Sudev, K.A. Germina and K.P. Chithra, *Strong integer additive set-valued graphs: A creative review*, International Journal of Computer Applications Vol. 115, No. 4, 2015, pp. 1–7; DOI:10.5120/20136-2254.

27. N.K. Sudev, K.A. Germina and K.P. Chithra, *A creative review on integer additive set-valued graphs*, International Journal of Scientific & Engineering Research, Vol. 6. Issue-3, 2015, pp.372–378.

26. Johan Kok, K.P. Chithra, N.K. Sudev and C. Susanth, *A study on set-graphs*, International Journal of Computer Applications, Vol. 117, No. 7, 2015, pp. 1–5; DOI:10.5120/20754-3173.

25. Johan Kok and N.K. Sudev, *The primitive hole number of certain graphs*, International Journal of Scientific and Engineering Research Vol. 6, No. 4, 2015; pp. 631–635.

24. N.K. Sudev, K.A. Germina and K.P. Chithra, *Topological integer additive set-sequential graphs*, Mathematics, Vol. 3, Issue-3, 2015, pp. 604–614; 10.3390/math3030604. (Scopus & ESCI Indexed, Included in UGC List).

23. N.K. Sudev, K.P. Chithra and K.A. Germina, *Topological integer additive set-graceful graphs*, International Journal of Computer Applications, Vol. 123, Issue-2, 2015, pp. 1–4; DOI:10.5120/ijca2015905237.

22. N.K. Sudev and K.A. Germina, *On certain arithmetic integer additive set-indexers of graphs*, Discrete Mathematics, Algorithms and Applications, Vol. 7, Issue-3, 2015, 1–15., DOI:10.1142/S1793830915500251. (Scopus & ESCI Indexed, Included in UGC List).

21. N.K. Sudev, K.A. Germina and K.P. Chithra, *On the sparing number of edge-corona of certain graphs*, International Journal of Computer Applications, Vol. 114, No. 2, 2015, pp. 1–5; DOI:10.5120/20706-3025.

20. N.K. Sudev, K.A. Germina and K.P. Chithra, *Weak set-labeling number of certain integer additive set-labeled graphs*, International Journal of Computer Applications, Vol. 114, No. 2, 2015, pp. 1–6., DOI:10.5120/19947-1772.

19. N.K. Sudev and K.A. Germina, *A study on topological integer additive set-labeling of graphs* Electronic Journal of Graph Theory and Applications, Vol.3, No.1, 2015, pp.70–84, DOI: 10.5614/ejgta.2015.3.1.8. (Scopus & ESCI Indexed, Included in UGC List).

18. N.K. Sudev and K.A. Germina, *The exquisite integer additive set-indexers of graphs*, International Journal of Science and Research, Vol. 4, No. 4, 2015, 2858–2863.

17. N.K. Sudev and K.A. Germina, *Arithmetic integer additive set-indexers of certain graph operations*, Journal of Advanced Researches in Pure Mathematics, Vol. 7, Issue. 1, 2015, pp. 70–82; DOI: 10.5373/jarpm.2053.052614.

16. N.K. Sudev and K.A. Germina, *A study on the nourishing number of graphs and graph powers*, Mathematics, Vol. 3, 2015, pp. 29–39; DOI:10.3390/math3010029. (Scopus & ESCI Indexed, Included in UGC List).

15. N.K. Sudev and K.A. Germina, *A note on the sparing number on the sieve graphs of certain graphs*, Applied Mathematics E-Notes, Vol. 15, 2015, pp. 29–37. (Scopus & ESCI Indexed, Included in UGC List).

14. N.K. Sudev and K.A. Germina, *Weak integer additive set indexes of certain graph classes*, Journal of Discrete Mathematical Sciences and Cryptography, Vol.18, Issue 2-3, 117–128, DOI:10.1080/09720529.2014.962866. (Scopus & ESCI Indexed, Included in UGC List).

13. N.K. Sudev and K.A. Germina, *Some new results on strong integer additive set indexers of graphs*, Discrete Mathematics, Algorithms and Applications, Vol.7 Issue 1, 2015, pp. 1–11. (Scopus & ESCI Indexed, Included in UGC List).

12. N.K. Sudev and K.A. Germina, *A characterisation of strong integer additive set indexers of graphs*, Communications in Mathematics and Applications, Vol.5 Issue 3, 2014, pp. 101–110. (ESCI Indexed, Included in UGC List).

11. N.K. Sudev and K.A. Germina, *Weak integer additive set-indexers of certain graph products*, Journal of Informatics and Mathematical Sciences, Vol.6, No.1 (2014), pp. 35–43. (ESCI Indexed, Included in UGC List).

10. N.K. Sudev and K.A. Germina, *Further studies on the sparing number of graphs*, TechS Vidya e-Journal of Research, Vol. 2, 2014, pp. 25–36.

9. N.K. Sudev and K.A. Germina, *A note on the sparing number of graphs*, Advances and Applications in Discrete Mathematics, Vol. 14, Issue-1, 2014, pp. 51–65. (ESCI Indexed, Included in UGC List)

8. K.P. Chithra, N.K. Sudev and K.A. Germina, *A Study on the sparing number of corona of certain graphs*, Research and Reviews: Discrete Mathematical Structures, Vol 1, No.2, (2014) pp. 5–15. (Included in UGC List)

7. K.P. Chithra, N.K. Sudev and K.A. Germina, *Sparing number of Cartesian products of certain graphs*, Communications in Mathematics and Applications, Vol 5, No. 1. (2014) pp 23–30. (ESCI Indexed, Included in UGC List)

6. N.K. Sudev and K.A. Germina, *Associated graphs of certain arithmetic IASI graphs*, International Journal of Mathematics and Soft Computing, Vol 4 No.2, 2014, pp. 71–80.

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5. N.K. Sudev and K.A. Germina, *On the sparing number of certain graph structures*, Annals of Pure and Applied Mathematics, Vol 6, No. 2, 2014, pp. 140–149. (Included in UGC List)

4. N.K. Sudev and K.A. Germina, *A study of semi-arithmetic integer additive set-indexers of graphs*, International Journal of Mathematical Sciences and Engineering Applications, Vol. 8, No. 3, 2014, pp. 157–165. (Included in UGC List)

3. N.K. Sudev and K.A. Germina, *Weak integer additive set-indexers of graph operations*, Global Journal of Mathematical Sciences: Theory and Practical, Vol.6, No.1, pp. 25–36.

2. N.K. Sudev and K.A. Germina, *A characterization of weak integer additive set-indexers of graphs*, ISPACS Journal of Fuzzy Set Valued Analysis, Vol. 2014 (2014), pp. 1–7., DOI:10.5899/2014/jfsva-00189.

1. N.K. Sudev and K.A. Germina, *On integer additive set-indexers of graphs*, International Journal of Mathematical Sciences and Engineering Applications, Vol. 8 (2014) No. II, pp. 11–22. (Included in UGC List)

0. K.A. Germina and N.K. Sudev, *On weakly uniform integer additive set-indexers of graphs*, International Mathematical Forum, Vol. 8, no. 37, 2013, pp. 1827–1834., DOI: 10.12988/imf.2013.310188.

Accepted Papers

13. N.K. Sudev, C. Susanth, S.J. Kalayathankal, Johan Kok, *Some New Results on the rainbow neighbourhood number of graphs*, National Academy Science Letters, (SCIE & Scopus Indexed, Included in UGC List).

12. Sudev Naduvath, *On the curling number of the Mycielskian of certain graphs*, Journal of Combinatorial Mathematics and Combinatorial Computing, (Scopus Indexed, Included in UGC List).

11. N.K. Sudev, On disjunctive and conjunctive set-Labelings of graphs, Southeast Asian Bulletin of Mathematics, (ESCI Indexed, Included in UGC List).

10. Sudev Naduvath, On the curling number of the Mycielskian of certain graphs, Journal of Combinatorial Mathematics and Combinatorial Computing, (Scopus Indexed, Included in UGC List).

9. N.K. Sudev, C. Susanth, S.J. Kalayathankal, Johan Kok, *A note on the rainbow neighbourhood number of graphs*, National Academy Science Letters, (SCIE & Scopus Indexed, Included in UGC List).

8. Johan Kok, N.K. sudev, M.K. Jamil, *A note on chromatic blending of colour clusters*, Southeast Asian Bulletin of Mathematics, (ESCI Indexed, Included in UGC List).

7. N.K. Sudev, P.K. Ashraf, K.A. Germina, *Some new results on integer additive set-valued signed graphs*, TWMS Journal of Applied and Engineering Mathematics. (ESCI Indexed, Included in UGC List).

6. Johan Kok, N.K. sudev, K.P. Chithra, K.A. Germina, U Mary, *On the vertex in-degrees of certain Jaco-type graphs*, Southeast Asian Bulletin of Mathematics, (ESCI Indexed, Included in UGC List).

5. C. Susanth, N.K. Sudev, S.J. Kalayathankal, K.P. Chithra and Johan Kok, *A study on the curling number of certain graph classes*, Journal of Combinatorial Mathematics and Combinatorial Computing, (Scopus Indexed, Included in UGC List).

4. N.K. Sudev, K.A. Germina, *A study on integer additive set-graceful graphs*, Southeast Asian Bulletin of Mathematics, (ESCI Indexed, Included in UGC List).

3. N.K. Sudev, K.P. Chithra, K.A. Germina, *Arithmetic integer additive set-indexers of graphs: A review*, Journal of Discrete Mathematical Science & Cryptography. (Scopus & ESCI Indexed, Included in UGC List).

2. N.K. Sudev, K.A. Germina, *A study on arithmetic integer additive set-indexers of graphs*, Journal of Informatics and Mathematical Sciences. (ESCI Indexed, Included in UGC List).

1. N.K. Sudev, K.P. Chithra, K.A. Germina, *The sparing number of the powers of certain Mycielski graphs*, Algebra and Discrete Mathematics. (Scopus & ESCI Indexed, Included in UGC List).

Conference Papers

5. N.K. Sudev, *Induced signed graphs of sumset labeled graphs*, International Conference on Science, Engineering, Technology and Social Sciences (ICSETS-2018) held at Kuriakose Elias College, Mannanam, Kottayam, India, during 18–19, January 2018.

4. N.K. Sudev, *Certain types of sumset labeling of graphs*, International Conference on Science, Engineering, Technology and Management (ICSETM-2017) held at Kuriakose Elias College, Mannanam, Kottayam, India, during 08–09, March 2017.

3. N.K. Sudev, *A study on integer additive set-labeled graphs*, National Conference (UGC Spon.) on Mathematical Methods in Applied Sciences held at Kuriakose Elias College, Mannanam, Kottayam, India, during 19–21, November 2015.

2. N.K. Sudev, *Structural properties of topological integer additive set-labeled graphs*, National Conference (UGC Spon.) on Discrete Mathematics and Applications held at Sahrdaya College of Advanced Studies, Kodakara, Thrissur, India, during 08–10, October 2015.

1. N.K. Sudev, *On weak integer additive set-labeling of graphs*, National Conference (UGC Spon.) on Discrete Mathematics and Its Applications held At Wayanad Muslim Orphanage Arts and Science College, Muttil, Wayanad, India, during 08–10, January 2015.

Invited Talks

4. Delivered a talk on **Graphs and Their Sumset Valuations** in the **National Seminar on Recent Trends in Graph Theory and Applications**, organised by the Department of Mathematics, Government Arts and Science College, Kondotty during 22-23, October 2018.

3. Delivered a talk on **Graph Theory and Applications** in a Faculty Development Programme on **Advanced Mathematics for Engineers**, organised at Vidya Academy of Science and Technology, Thalakkottukara, Thrissur, Kerala during 27, November 2017 – 01, December 2017.

2. Delivered a talk on **Set-Labeling of Graphs** in the National Workshop on Graph Domination and Labeling held at St. Mary's College, Thrissur during 23–25, November 2017, under the sponsorship of Kerala State Council Science, Technology and Environment (KSCSTE).

1. Delivered a talk on **Fundamentals of Calculus** in a Faculty Development Programme on **Essentials of Mathematics for Engineers**, organised by Kerala Technological University at Vidya Academy of Science and Technology, Thalakkottukara, Thrissur, Kerala during 28, November 2016 – 03, December 2016.

▬▬▬ Conferences/Seminar Attended

27. Attended **Ramanujan Math & Information Technology conference** (RMIT-2018) held at International Institute of Information Technology, Bangalore, Karnataka, India., during 30-31, October 2018.

26. Attended the International Conference of Recent Trends in Graph Theory and Combinatorics (ICRTGC-2018) held at Cochin University of Science & Technology, Ernakulam, Kerala, India., during 26-29, April 2018.

25. Organised the National Seminar on Discrete Mathematics and Applications (NSDMA-2017) at Centre for Studies in Discrete Mathematics, Vidya Academy of Science & Technology, Thrissur, Kerala, India. during 19-21, July 2017.

24. Participated in the International Seminar on Science, Engineering, Technology and Management (ICSETM-2017) at Kuriakose Elias College, Mannanam, Kottayam, Kerala, India. during 08-09, March 2017.

23. Organised a One-Day National Seminar on Recent Developments in Graph Theory (NSRDGT-2017) at the Centre for Studies in Discrete Mathematics, Vidya Academy of Science & Technology on 18, February 2017.

22. Participated in a National Workshop on *Random Processes and Applications* held at MES College of Engineering, Kuttipuram, Kerala during 26-27, October 2016.

21. Participated and presented a paper in a UGC sponsored National Seminar on *Mathematical Methods in Applied Sciences* held at Kuriakose Elias College Mannanam, Kottayam, Kerala during 19-21, November 2015.

20. Participated and presented a paper in a National Seminar on *Discrete Mathematics and Applications* held at Sahrdaya College of Advanced Studies, Kodakara, Thrissur, Kerala during 08-10, October 2015.

19. Participated in an ISTE-sponsored Faculty Development Programme on *Application of Advanced Mathematics in Engineering* held at Vidya Academy of Science & Technology, Thalakkottukara, Thrissur, Kerala during 22-25, July 2015.

18. Participated in a National Conference on *Applied Mathematics* held at St. Thomas College (Autonomous), Thrissur, Kerala during 27-28, February 2015.

17. Participated and presented a paper in a National Seminar on *Discrete Mathematics and Its Applications* held at WMO Arts and Science College, Muttil, Wayanad, Kerala during 08-10, January 2015.

16. Participated in a National Faculty Development Programme on *Applied Mathematics* held at Adi Shankara Institute of Engineering & Technology, Kalady, Ernakulam, Kerala during 16-20, June 2014.

15. Participated in a National Research Promotion Workshop on *Introduction to Graph and Geometric Algorithms* held at Indian Institute of Information Technology and Management, Technopark Campus, Thiruvananthapuram, Kerala during 23-25, January 2014.

14. Participated in a National Conference on *Applications of Discrete and Fuzzy Mathematics* held at Federal Institute of Science & Technology, Angamaly, Kerala during 15-17, July 2013.

13. Participated in a Research Workshop on *Applied Mathematics* held at Central University of Kerala, Kasaragod, Kerala during 21-23, February 2013.

12. Organized an AICTE sponsored National Conference on *Recent Trends in Advanced Mathematics* held at Vidya Academy of Science & Technology, Thalakkottukara, Thrissur, Kerala during 02-04, February 2012.

11. Participated in the ISTE sponsored Training Programme on *Application of Advanced Mathematics in Engineering and Research Methodologies* held at Vidya Academy of Science & Technology, Thalakkottukara, Thrissur, Kerala during 21-22, January 2011.

10. Participated in the International Conference on *Recent Trends in Graph Theory and Combinatorics* held at Cochin University of Science & Technology, Cochin, Kerala during 12-15, August 2010.

9. Participated in the International Conference on *Power, Control, Signals and Computation* held at Vidya Academy of Science & Technology, Thalakkottukara, Thrissur, Kerala during 03-06, January 2010.

8. Participated in the ISTE sponsored Extended Training Programme on *Computer Algebra Systems* held at Vidya Academy of Science & Technology, Thalakkottukara, Thrissur, Kerala during 17 June - 08 July, 2008.

7. Participated in the ISTE sponsored Short Term Training Programme on *Advanced Mathematics in Engineering* held at Govt. Engineering College, Kozhikode, Kerala during 14 - 18, December 2007.

6. Organized a National Seminar on *Recent Trends in Applicational Mathematics* at Vidya Academy of Science & Technology, Thalakkottukara, Thrissur, Kerala during 19-21, April 2007.

5. Participated in the UGC sponsored National Seminar on *Recent Trends in Cryptography with Coding Theory* in Union Christian College, Aluva, Kerala during 24-26, February 2005.

4. Participated in the ISTE sponsored Short Term Training Programme on *Teaching excellence and Methodologies* held at Maharaja's Technical Institute, Thrissur, Kerala during 24-29, May 2004.

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3. Participated in the National Seminar on *Topology, Category Theory and their applications to Computer Science* held at St. Joseph's College, Irinjalakkuda, Thrissur, Kerala during 11-13, March 2004.

2. Participated in the One day Seminar on *Symbolic Computations* held at Govt. Engineering College, Thrissur, Kerala on 07, February 2004.

1. Participated in the One Day National Seminar on *Modern Trends in Mathematics* held at Carmel College, Mala, Thrissur, Kerala on 23, August 2003.