Curriculum Vitae

Name : Dr. S. STALIN KUMAR

Designation : Associate Professor

Department : Mathematics

Date of Joining : **23.09.2004 (Management)**
13.09.2007 (AIDED)

Phone with Extn. No. : 9944035481,
Email : stalinkumar@americancollege.edu.in
sskumbas@gmail.com

Career Objective:

Promote holistic education that nurtures intellectual curiosity, character development, and community engagement.

Educational Qualifications:

Degree	Subject	Institution	Year of Passing	Grade
B.Sc.	Mathematics	The American College, Madurai	2001	I Class with Distinction
M.Sc.	Mathematics	The American College, Madurai	2003	I Class with Distinction
M.Phil.	Mathematics	DDE, MKU, Madurai	2004	II Class
P.G.D.E.Com	Computer Application	TCPS, Madurai	2002	I Class
Ph.D.	Mathematics	Madurai Kamaraj University, Madurai	2017	Highly Commended
Certificate in Theology	Theology	Global University, School of Evangelism and Discipleship, Springfield, Missouri USA	2023	I Class with Distinction

Specialization in Teaching:

Number theory, Real Analysis, Topology, Fractal Geometry, Combinatorics, Statistics, Algebra, Operations Research, Programming in C, Programming in C++, JAVA, WEB Designing.

Specialisation in Research:

Graph Theory, Operations Research

Professional Experience in The American College, Madurai:

Post Held	Duration
Lecturer (Management)	23.09.2004 to 12.09.2007
Assistant Professor (**Aided**)	13.09.2007 to 14.09.2021
Associate Professor (**Aided**)	15.09.2021 to Till Date

Administrative /Academic Position/s (held / currently holding):

Positions held / Currently holding	Year - From (month/year) To month/year)
Superintendent in Wallace Hall	Nov 2004 to May 2008
Autonomy Coordinator	2006-2013
Senates (Elected Member)	June 2015 to May 2016
Athletic committee Member	2006 to 2023
Discipline Committee Member	2005-2020
NCC NAVY Officer	June 2012 to April 2019
Lunch Assistant Programme Member	2010 to 2020
Deputy-Controller of Examinations	June 2018 to May 2021
Senates Member	June 2018 to May 2021
Awards Committee Member	June 2018 to May 2021
Evaluation and Monitoring Cell	June 2018 to May 2021
Discipline Committee Member	June 2018 to May 2021
NAD Coordinator	2019-2021
Self-Financed Coordinator (PG-SF Maths)	June 2024 to Till Date
Senates Member	June 2024 to Till Date
Academic Council	2004 to 2018 and June 2024 to Till Date
Board of Studies in Mathematics-member	2004 to Till Date

Membership in Professional Bodies:

S.No.	Designation	Institution
1	Technical Expert Committee Member	Lady Doak College, Madurai
2	Board of Studies Member	Mannar Thirumalai Naicker College, Madurai
3		Sourashtra College, Madurai
4	Ph.D./M.Phil Thesis External Examiner	Bharathiyar University, Coimbatore
5		Thassim Beevi Abdul Kader College for Women, Kilakarai
6	External Examiner (PG/UG Projects/Practical/Question Setting/Valuation)	Madurai Kamaraj University, Madurai
7		Bharathiyar University, Coimbatore
8		Alagappa University, Karaikudi
9		Fatima College, Madurai
10		Lady Doak College, Madurai
11		Arul Ananthar College, Karumathur, Madurai
12		The Madura College, Madurai
13		S.V.N. College, Nagamalai Pudukottai, Madurai
14		Thiagarajar College, Madurai
15		Sri Meenakshi Govt. College, Madurai
16		Thassim Beevi Abdul Kader College for Women, Kilakarai
17		Sri Sankara Arts and Science College, Enathur, Kancheepuram
18		A.V.V.M. Sri Pushpam College, Poondi, Thanjavur
19		V.H.N.S.N College, Virudhunagar
20		PSGR College, Coimbatore
21		VVV College, Virudhunagar
22		Nehru College, Tiruchy
23		Theivanai Ammal College for Women, Chidambaram
24		Mannar Thirumalai Naicker College, Madurai

Resource Person/Guest Speaker:

S.No.	Name of the College	Topic	Date
1.	Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore	CIA Online Examination and Evaluation	03.07.2020
2.	The Madura College, Madurai	Employability Opportunity For Science Graduates	10.03.2021
3.	V.V. Vanniaperumal College for Women, Virudhunagar	Scope and Opportunities for Graduates in Mathematics	03.09.2021

Conference / Seminar Presentations:

1. Presented a paper on "Private out dominating set on cayley digraphs" in **State** level seminar organised by ANJAC College, Sivakasi on 12.03.2012 to 13.03.2012.

2. Presented a paper on "H-V-super magic decomposition of complete bipartite graphs", in DST & INSA sponsored, Eight **International** Workshop on Graph Labelings (IWOGL-2014) at n-CARDMATH, Kalasalingam University, Krishnankoil, from 03-06 December 2014.

3. Presented a paper on "H-E-super magic decomposition of complete bipartite graphs", in DST & INSA sponsored, Eight **International** Workshop on Graph Labelings (IWOGL-2014) at n-CARDMATH, Kalasalingam University, Krishnankoil, from 03-06 December 2014.

4. Presented a paper on "H-V-super magic decomposition of even regular graphs", in NBHM & UGC sponsored **National** Seminar on Recent Advancement on Distance, Domination and Labeling in Graphs (RADDLG-2016) at The Madura College, Madurai, from 21-22 January 2016.

5. Presented a paper on "Private out domination number of Cayley Digraphs" in the **National** Conference on "Modern Mathematics & its Applications" (NCMMA-2018) organized by the Department of Mathematics, The American College, Madurai from 22-23 January 2018.

6. Presented a paper on "Private in domination number of Cayley Digraphs" in the **National** Conference on "Modern Mathematics & its Applications" (NCMMA-2018) organized by the Department of Mathematics, The American College, Madurai from 22-23 January 2018.

7. Presented a paper on "H-V-Super Strong-(a,d)-antimagic decomposition of Complete Bipartite graphs" in the Virtual **International** Conference on Discrete Mathematics & Combinatorics 2021 organized by the Department of Mathematics, Poornaprajna College & Postgraduate Centre, Udupi from 22-23 July 2021.

Publications (International/National)

1. G. Marimuthu and **S. Stalin Kumar**, "H-V-Super magic decomposition of complete bipartite graphs" Electron. Notes in Discrete Math., ISSN: 1571-0653, 48(2015), 231-233.

2. **S. Stalin Kumar** and G. Marimuthu, "H-E-Super magic decomposition of complete bipartite graphs" Electron. Notes in Discrete Math., ISSN: 1571-0653, 48(2015), 297-300.

3. **S. Stalin Kumar** and G. Marimuthu, "H-V-Super magic decomposition of complete bipartite graphs", Communications of Korean Mathematical Society, ISSN: 2234-3024, 30(2015), No.3, 313-325.

4. G. Marimuthu and **S. Stalin Kumar**, "Mixed cycle-E-super magic decomposition of complete bipartite graphs", Journal of Algorithms and Computation, ISSN: 2476-2784, 46(2015), No.4, 35-50.

5. **S. Stalin Kumar** and G. Marimuthu, "A Mathematical Modeling of campus information system", Romanian Journal of Mathematics and Computer Science, ISSN: 2247-689X, 6(2016), No.6, 47-60.

6. **S. Stalin Kumar**, "Private Out Domination Number of Cayley Digraphs", Proceedings of National Conference on "Modern Mathematics & its Applications", Vergal Publication, ISBN: 978-9385109-67-6(2018), 46.

7. A. Antony George and **S. Stalin Kumar**, "Private In Domination Number of Cayley Digraphs", Proceedings of National Conference on "Modern Mathematics & its Applications", Vergal Publication, ISBN: 978-9385109-67-6(2018), 54-55.

8. **S. Stalin Kumar**, "On super edge-Magicness of double star", Journal of Computer Science Applications and Information Technology, ISSN: 2474-9257(2018), 3(2): 1-3.

9. **S. Stalin Kumar**, "H-V-Super-Strong-(a,d)-antimagic decomposition of complete bipartite graphs, Ars Combinatoria, ISSN:2817-5204, 157 (2023), 73-80.

10. **S. Stalin Kumar**, "Mixed cycle-V-super magic decomposition of complete bipartite graphs", Asian-European Journal of Mathematics, ISSN-1793-5571(2025), in press.

Communicated Papers:

1. **S. Stalin Kumar**, "H-E-Super magic decomposition of complete bipartite graphs", Advances in Mathematics.

2. **S. Stalin Kumar**, "Semi-n-Star V-Super Magic Decomposition of Complete Bipartite Graphs", Mapana Journal of Sciences.

3. **S. Stalin Kumar**, "H-V-Super Magic Decomposition of Even Regular Graphs", Indian Journal of Discrete Mathematics (IJDM).

4. **S. Stalin Kumar**, Private-out domination number of Cayley digraph, Mapana Journal of Sciences.

5. **S. Stalin Kumar**, H-V-Super-(a,d)-antimagic decomposition of complete bipartite graphs, Electronic Journal of Mathematics.

6. **S. Stalin Kumar**, H-V-Super-(a,d) semi-antimagic decomposition of complete bipartite graphs, International Journal of Mathematical Combinatorics.

Orientation / Refresher Courses/ Short Term Courses Attended:

Name of the Course	Place	Duration	Dates
Refresher Course in Mathematics	UGC Academic Staff College Madurai Kamaraj University, Madurai- Tamil Nadu	21 Days	23/02/2011 to 15/03/2011
Orientation Programme	UGC Academic Staff College Madurai Kamaraj University, Madurai- Tamil Nadu	28 Days	16/05/2012 to 12/06/2012
Refresher Course in Mathematics	UGC Academic Staff College Madurai Kamaraj University, Madurai- Tamil Nadu	21 Days	25/11/2015 to 15/12/2015
One week Online Short Term Training Programme on "Role of Computational Mathematics in Science & Engineering"	Department of Mathematics & Humanities, College of Engineering and Technology, Bhubaneswar, India (TEQIP-III Sponsored)	5 Days	15.02.2021 to 19.02.2021
UGC Sponsored Short Term Course on "ICT Enabled Learning"	Human Resource Development Centre, Kumaun University, Nainital Uttarakhand	7 Days	03/08/2021 to 09/08/2021
Refresher Course in Mathematics	Teaching Learning Centre, Ramanujan College, University of Delhi	15 Days	31/08/2021 to 14/09/2021

NPTEL-MOOC Courses Completed:

Hosted by	Name of the Course	Duration	Score
NPTEL-AICTE	Foundations of R Software	12 weeks (July-Oct 2024)	96%

Projects Guided:

Number of M.Phil. Students: 5

Number of M.Sc. Students: 6 (Up to 2024)

Student's Roll No.	Title	Year of Passing
M.Phil. Projects		
16MPM07	A Study on Prime Graphs and Edge Graphs.	April 2017
16MPM11	A Study on Vertex Magic Total Labeling and Edge Magic Total Labeling of Some Class of Graphs.	April 2017
16MPM14	A Study on $\{K_1, K_2, K_3\}$-Vertex Magic Labeling of Some Class of Graphs.	April 2017
17MPM06	A Study on Vertex-magic, Super Edge-Magic and its Duality of Some Class of Graphs.	August 2018
18MPM02	H-V-Super (a,d) Anti-Magic Decomposition of Complete Bipartite Graphs.	April 2019
PG-Projects		
18PGM12	Magic Graphs.	April 2020
19PGM07	H-V-Super-(a,d) Semi-Antimagic Decomposition of Complete Bipartite Graph.	April 2021
20PGM08	H-V-Super Magic Decomposition of $K_{m,n}$ for Distinct Values of m and n With n Even.	April 2022
20PGM12	H-V-Super Magic Decomposition of $K_{m,n}$ for Distinct Values of m and n With n Odd.	April 2022
21PGM18	H-E-Super Magic Decomposition of $K_{m,n}$ for Distinct Values of m and n.	May 2023
22PGM27	Semi-n-Star V-Super Magic Decomposition of Complete Bipartite Graph.	May 2024

Conferences (Organized/Chaired) (International / National):

1. **Member of the International Organising Committee** of 22nd FAI International Conference on MATHEMATICAL COMPUTATIONAL INTELLIGENCE AND ENGINEERING APPROACHED TO HEALTHCARE, BUSINESS AND TORUISM ANALYTICS 2020 (ONLINE) jointly organized by The American College, Madurai and FATER Academy of India during 20-22 December 2020.

2. **Organizer** - International Virtual Workshop on "Innovative Resources and IPR in Research" PG & Research Department of Mathematics, The American College, Madurai from 08.10.2021 to 09.10.2021.

3. **Mentor –** Young Student Scientist Programme (YSSP) Catalysed and Supported by Tamilnadu State Council for Science and Technology and Conducted by The American College, Madurai during 20.05.2022 to 03.06.2022.

4. **Chaired a Paper Presentation Session** at National Conference on Advances in Applied Mathematics & Indian Knowledge System, organized by PG & Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai on 26.02 2025.

Conferences / Seminars / Workshop attended (International / National):

1. National Level Symposium on Frontiers in Mathematics, conducted by the Department of Mathematics, The American College, Madurai on 03.04.2007.

2. International Lecture Series on Algebra and its Applications (Multi Campus Programme) organized by Department of Mathematics of a) Thiagarajar College of Engineering, b) Mannar Thirumalai Naicker College and c) Saraswathi Narayanan College, Madurai from 26.10.2007 to 28.10.2007.

3. National Conference on Fuzzy Mathematics, Graph Theory and Applications organized by the Department of Mathematics, Mepco Schlenk Engineering College, Sivakasi from 17.04.2009 to 18.04.2009.

4. National Conference of Theoretical Computer Science and Discrete Mathematics (Sponsored by NBHM, CSIR and DST), organized by (n-CARDMATH) Kalasalingam University, Krishnankoil, from 09.01.2012 to 11.01.2012.

5. Two Days National Seminar on Recent Trends in Distance in Graphs (Sponsored by UGC (SERO)), organized by Ayya Nadar Janaki Ammal College (ANJAC), Sivakasi from 12.03.2012 to 13.03.2012.

6. Instructional Workshop on Graph Labeling Problems (Sponsored by DST), organized by (n-CARDMATH) Kalasalingam University, Krishnankoil, from 05.02.2014 to 11.02.2014.

7. National Level Seminar on Applications in Fuzzy Mathematics and Fractal Geometry (Sponsored by UGC), conducted by the Department of Mathematics, The American College, Madurai on 21.02.2014.

8. Eight International Workshop on Graph Labelings (Sponsored by DST & INSA), organized by n-CARDMATH, Kalasalingam University, Krishnankoil, from 03.12.2014 to 06.12.2014.

9. Special Lecture on "Should we discard Lebesque Integral? -A review of Integration", conducted by the Department of Mathematics, The American College, Madurai on 16.12.2015.

10. National Seminar on "Recent Advancement on Distance, Domination and Labeling in Graphs (RADDLG-2016) (Sponsored by NBHM & UGC), organized by Department of Mathematics, The Madura College, Madurai from 21.01.2016 to 22.01.2016.

11. Enrichment Seminar on Leadership & Visioning -2016 organized by CSI St. Andrew's Church, Nagamalai, Madurai on 12.11.2016.

12. National Conference on "Modern Mathematics & its Applications", organized by Research Department of Mathematics, The American College, Madurai from 22.01.2018 to 23.01.2018.

13. Faculty Training Workshop organized by (**UBCHEA**) United Board for Christian Higher Education in Asia and hosted at St. Aloysius College, Jabalpur, MadhyaPradesh from 23.10.2018 to 26.10.2018.

14. Online Webinar on "Autonomy and Academic Independence", organized by SSUN, Tamil Nadu on 02.05.2020

15. Online Faculty Development Programme on "Effective Research and Proposal Writing" organized by Department of Computer Science and Information Technology, Sri Adi Chunchanagiri Women's College, Cumbum on 13.05.2020.

16. Online Workshop on "Data Analysis using SPSS", organized by Department of Mathematics, The American College, Madurai from 28.05.2020 to 30.05.2020.

17. Online Faculty Development Programme on Learning Management System (MOODLE) organized by Sacred Heart College, Tirupattur in Association with AIACHE & DBHEI from 08.06.2020 to 10.06.2020.

18. International Web Conference on "Advances in Mathematics", organized by St.Mary's College, Thoothukudi, from 17.06.2020 to 19.06.2020.

19. Digital Marketing Session for Teachers on Google Classroom and Microsoft Teams, organized by North Storm Academy through Online from 24.06.2020 to 25.06.2020.

Training / Online-FDP's/ Other Course Attended:

Name of the Course	Place	Duration	Date/Time
PRCN Course for NCC Officers Training	Officers Training Academy, Kamptee Naval Base, Kochi **(2nd in Academic with Grade 'A')**	90 Days	June 2013 to October 2013
Ship Attachment Camp	Naval Base, Vizag	14 Days	18/12/2013 to 31/12/2013
Inter Unit Competition (IUC) 2014 Camp	NCC Group, Puducherry	10 Days	August 2014
Inter Unit Competition (IUC) 2016 Camp	NCC Group, Puducherry	10 Days	21/08/2016 to 30/08/2016
Phython 3.4.3 Training (Online FDP)	Spoken Tutorial Project, IIT Bombay, Funded by National Mission on Education through ICT, MHRD Government of India.	5 Days	01/05/2020 to 05/05/2020
One-week Online Faculty Development Programme in "Pure and Applied Mathematics"	PG & Research Department of Mathematics (Under DBT Star College Scheme), Jamal Mohamed College (Autonomous), Tiruchirappalli.	7 Days	11/06/2020 to 17/06/2020
One-week International Faculty Development Programme on "Avant-garde Trends in Mathematics"	Department of Mathematics, Bannari Amman Institute of Technology.	7 Days	17/06/2020 to 23/06/2020
Online Teachers Enrichment Workshop on "Algebra & Discrete Mathematics"	National Centre for Mathematics (A Joint centre of TIFR and IIT Bombay)	18 Days	19/11/2020 to 03/01/2021
The Art of Publishing Articles in Indexed Journals	MCC Research Colloquium, Madras Christian College, Chennai	8 Days	12/02/2025 to 19/02/2025