

## STAFF PROFILE



- 1. Name** : Dr. I.SAHUL HAMID
- 2. Designation** : Assistant Professor
- 3. Date of entry into service** : 25<sup>th</sup> February, 2008
- 4. Email** : [sahulmat@yahoo.co.in](mailto:sahulmat@yahoo.co.in), [sahulhamid@maduracollege.edu](mailto:sahulhamid@maduracollege.edu)
- 5. Mobile** : +91 99427 95484
- 6. Education** : M.Sc.,M.phil., Ph.D.,
- 7. Areas of specialization** : Graph Theory
- 8. Projects undertaken**

Title of the project	Name of the funding agency	Duration	Completed /Ongoing	Amount (In Rupees)	Remarks
Mathematical Modeling and analysis of enzyme substrate reaction diffusion processes in some biochemical systems (SR/SI/PC-49-2008)	DST-SERB	3 Years (2008-2011)	Completed	20,31,840	<b>Position: Co-PI</b> The PI of this project is Dr.L.Rajendran, Assistant Professor of Mathematics(Rtd.), The Madura College, Madurai
Decompositions of Graphs into Paths and Cycles (SRF/FTP/MS-002/2012)	DST-SERB	3 Years (2013-2016)	Completed	11,76,000	<b>Position: PI</b>
Domination, Independence and related concepts in Graphs(EMR-----)	DST-SERB	3 Years (2017-2020)	Ongoing	financial order to be received	<b>Position: PI</b>

## 9. Seminars Organized

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State /International	Coordinator /Convener
Two Day Workshop on Graph Theory and its Applications	27-28, November 2014.	ADMA &RMS*	National	Convener
National Conference on Labelings and Decompositions of Graphs	29 – 30, August 2013	UGC	National	Convener
One day State Level Seminar on Applicable Mathematics	February 10, 2010	UGC(Autonomy Grant)	State	Convener

\*ADMA- Academy of Discrete Mathematics and Applications, RMS- Ramanujan Mathematics Society

### 10. Seminars, Workshop and Conferences Attended

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Organization in which attended
Discrete Mathematics and Graph Theory	July 7-8, 2005.	UGC	National	Sri Narayana College, Punalur, Kerala
Recent Development in Graph Theory	September 23, 2005.	UGC-COSIP	State	A. P. C. Mahalaxmi College for Women, Tuticorin
Workshop on Decompositions of Graphs and Product Graphs	January 3-7, 2006.	DST	National	Annamalai University, Annamalai Nagar
$n$ -CARDMATH Group Discussion on Labelings of Discrete Structures and Applications	April 19 – 28, 2006	DST	National	Mary Matha Arts and Science College, Mananthavady, Kerala
Seminar on Graph Theory and Algorithms	June 10– 12, 2006.	DST	National	PESIT, Bangalore
State level conference on Recent Advancements in Graph Theory and its Applications	August 18-19, 2006.	UGC	State	SFR College, Sivakasi
Workshop on Graph Theory and Applications	October 9 -14, 2006	DST	National	NERIST, Nirjuli, Itanagar, Arunachal Pradesh
Conference on Discrete Mathematics during	December 15-18, 2006	DST	International	Indian Institute of Science, Bangalore
Workshop on Recent Developments in Graph Theory	February 26, 2007.	UGC	State	St. Xavier's College (Autonomous), Palayamkottai
Conference on Mathematics and Computer Science	March 01 - 03, 2007	Layola College	International	Layola College, Chennai during
Research Oriented Seminar on Analysis and Graph Theory	March 12-13, 2007	UGC	National	M.D.T. Hindu College, Tirunelveli
Recent Developments in Algebraic Graph Theory	March 29 – 31, 2007.	UGC	National	Saraswathi Narayanan College, Madurai
Symposium on Frontiers in Mathematics	April 03, 2007.	American College	National	American College, Madurai
Recent Developments in Combinatorics and Graph Theory	June 10-14, 2007	DST	International	Kalasalingam University, Krishnankoil.

Discrete Mathematics and its Applications	September 27 – 29, 2007.	TEQIP	National	Thiagarajar College of Engineering, Madurai
Group Discussion on Perfect Graphs and their Applications	November 15– 24, 2007.	DST	National	Regional Institute of Education, Mysore
Algebra, Graph Theory and their Applications	December 5 –7, 2007.	UGC-SAP	National	Manonmaniam Sundaranar University, Tirunelveli
Conference on Vedas- A Treasure House for Sciences	April 2-5, 2008.	The Madura College	International	The Madura College, Madurai
Discrete Mathematics	June 6 – 10, 2008.		International	Mysore University, Mysore
National Conference on Algebra, Graph Theory and their Applications	February 4 – 6, 2009	UGC-SAP	National	Manonmaniam Sundaranar University, Tirunelveli
Recent Advances in Mathematics	March 5, 2009.	UGC	National	SadakathullaAppa College, Palayamkottai
Discrete Mathematics and Applications	March 18- 19, 2009	UGC	National	AyyaNadarJanakiAmmal College, Sivakasi
Discrete Mathematics and Applications	February 19-20, 2010.	UGC	National	St. Xaviers College, Palayamkottai
Emerging Trends in Fluid Dynamics and Graph Theory	February 25-26, 2010.	CHRIST University	National	Christ University, Bangalore
Functional Analysis	March 5-6, 2010.	DST	National	SRNM College, Sattur
Recent Developments in Graph Theory and its Applications	March 18, 2010	ULTRA College of Engn	National	Ultra College of Engineering for Women, Madurai
Recent Trends in Mathematics and its Applications	December 22, 2010	UGC	National	Alagappa University, Karaikudi
Mathematics and Computer Science	January 07- 08, 2011	DST	International	Loyola College, Chennai
Emerging Trends in Fluid Dynamics and Graph Theory	February 11-12, 2011	CHRIST University	National	Christ University, Bangalore
Non-linear Functional Analysis	March 3 – 5, 2011.	UGC& NBHM	National	Manonmaniam Sundaranar University, Tirunelveli

Workshop on e-Content Development	March 11, 2011	UGC	National	The Madura College, Madurai.
IV National Conference on Graph Theory	February 15 – 16, 2013.	CHRIST University	National	Christ University, Bangalore
Recent Trends in Graph Theory	August 02 – 03, 2013	TNSCST	National	R.D.M College, Sivagangai during.
Interactive Group Discussions on Domination	October 21 – 22, 2013.	EMG Yadava College	National	E.M.G Yadava Women's College, Madurai,
National Seminar on Applications of Graph Theory	November 21 – 22, 2013	UGC	National	St.Dominic's College, Kanjirapalli, Kerala
Two Day Competence Building Programme	February 6 – 7, 2015.	UGC	National	The Madura College, Madurai
Instructional Workshop in Graph Theory	March 8-11, 2015	Christ University	National	Christ University, Bangalore
Contemporary Graph Theory and Its Applications	January 11, 2016.	UGC	National	Sermathai Vasan College, Madurai on
International Conference on Discrete Mathematics	June 09 – 11, 2016	DST - ADMA	National	Siddaganga Institute of Technology, Tumkur, Karnataka
Workshop on Graph Theory and its Applications	during 14 – 15, July 2016	Hindustan College of Engineering	National	Hidusthan College of Engineerin and Technology, Coimbatore,

### 11.Books Published: NIL

### 12. Research Publications:

Name of the Journal	ISSN No	Volume No&Page No	Year	International/National
Scientia Magna		Vol.5,Issue 2 Page 54-59	2009	International
International J. Math.Combin.		Vol. 1, Page 61-76	2009	International
International Journal of Mathematical and Statistical Sciences		Vol. 4, Issue 3, Page 117-121	2009	International
Journal Combin. Math. Combin. Comput		Vol. 69, Page 45-52	2009	International
International Mathematical Forum		Vol. 5, Issue 13, Page 639-648	2010	International
Discussiones Mathematicae Graph Theory		Vol.30, Issue 1, Page 33-44	2010	International

SUT Journal of Mathematics		Vol 46, Issue 1, Page 79-91	2010	International
International Journal of Mathematics and computer science.		Vol. 6, Issue 3, Page 166-169	2010	International
Discrete Mathematics, Algorithms and Applications		Vol.3, Issue 1, Page 1-7	2011	International
International J. Math .Combin.		Vol.4, Page 35-45	2011	International
SUT Journal of Mathematics		Vol. 47, Issue 2, Page 161-174	2011	International
International Journal of Mathematics and Soft Computing		Vol.2, Issue 1, Page 21-24	2012	International
Discussiones Mathematicae Graph Theory		Vol.32, Page 5-17	2012	International
Transactions on Combinatorics		Vol.1, Issue 4, Page 25-33	2012	International
Journal of Discrete Mathematics, Article ID 892839		Vol.2013, 9 Pages	2013	International
Journal of Discrete Mathematics Article ID 721051		Vol.2013, 6 Pages	2013	International
Discrete Mathematics, Algorithms and Applications		Vol.5, Issue 1, Page 1-11	2013	International
Bulletin of International Mathematical Virtual Institute, Vol.		Vol.3, Issue 1, Page 127-133	2013	International
International journal of Mathematics and soft computing		Vol.3, Issue 3, Page 79-83	2013	International
ISRN Combinatorics,, Article ID 79274.		Vol.2013, 4 Pages	2013	International
Acta Univ. Sapientiae, Informatica,		Vol.6, Issue 2, Page 178-189	2014	International
Discrete Mathematics, Algorithms and Applications		Vol.6, Issue 3, 13 Pages	2014	International
Discussiones Mathematicae Graph Theory		Vol.35, Page 5-16	2015	International
Discrete Mathematics, Algorithms and Applications		Vol.7, Issue 2, 9 Pages	2015	International
Discrete Math. Algorithm. Appl. 07, 1550039 (2015) [11 pages] DOI: 10.1142/S1793830915500391		<b>Vol.7,</b>	2015	International
Discrete Mathematics, Algorithms and Applications		Vol.7, Issue 2, 9 Pages	2015	International
Discrete Math. Algorithm. Appl		Vol.8, Issue 1, 13 Pages	2016	International
Discrete Math. Algorithm. Appl		Vol.8, Issue 1, 9	2016	International

		Pages		
Arab Journal of Mathematical Sciences (To appear).		Vol.2, Issue 1, Page 21-24	2016	International
Palestine Journal of Mathematics		Vol.5, Issue 1, Page 1-6	2016	International
Iranian Journal of Mathematical Sciences and Informatics (To appear).		Vol.2, Issue 1, Page 21-24	2016	International
Kyunpook Journal of Mathematics		Vol.2, Issue 1, Page 21-24	2016	International
Asian European Journal of Mathematics (To appear).		Vol.2, Issue 1, Page 21-24	2016	International
Scientia – Mathematical Sciences Series A (To appear).		Vol.2, Issue 1, Page 21-24	2016	International
Tamkang journal of Mathematics (To appear).		Vol.2, Issue 1, Page 21-24	2016	International

### 13. Research Activities

Degree	No. Awarded	No. Submitted	No. Guiding
<b>M.Phil</b>	<b>21</b>	--	<b>04</b>
<b>Ph.D(Part Time)</b>	<b>03</b>	<b>01</b>	<b>06</b>
<b>Ph.D(Full Time)</b>	--	--	--

### 14. Details of Invited Lecture/Resource Person

Place	Date	Sponsoring Agency	Topic	Audience Type	International/National/State Level
Arulmigu Kalasalingam College of Engineering, Krishnankoil	June 24, 2006	DST	Graphoidal Covers in Graphs	Faculties/ Research Scholars	State
Alagappa University, Karaikudi	August 12, 2006	DST	Characterization of graphs whose graphoidal covering number is one less than its cyclomatic number	Faculties/ Research Scholars	State
Thiagarajar College, Madurai	July 22, 2006	DST	Simple Graphoidal Covers in Graphs	Faculties/ Research Scholars	State
Saraswathi Narayanan College, Madurai	December 23, 2006	DST	Embedding index of Nonindominable Graphs	Faculties/ Research Scholars	National

V.V.V College for Women, Virudhunagar	February 24, 2007	DST	Antidomatic Number of a Graph	Faculties/ Research Scholars	State
M.D.T. Hindu College, Tirunelvel.	March 12-13, 2007	UGC	Domination in Graphs	Faculties/ Research Scholars	National
Kalasalingam University, Krishnankoil	March 24, 2007	DST	Global Domination in Graphs	Faculties/ Research Scholars	State
VHNSN College, Virudhunagar	March 23, 2009	Virudhunagar District Cluster of Colleges Joint Faculty Programme	Domination Related Parameters	Faculties/ PG Students	-----
Christ University, Bangalore	July 11, 2009	Christ University	Introduction to Topology	PG Students	National
Ayya Nadar Janaki Ammal College	September 25, 2009	UGC Autonomy Grant	Decomposition Parameters”	PG Students	----
Ultra College of Engineering for Women ,Madurai	March 18, 2010	Ultra College	Decompositions and Labelings in Graphs	Faculties/ Research Scholars	National
Christ University, Bangalore	May 24 – 28, 2010	Christ University	CSIR – NET Training Programme	PG students	National
Manonmaniam Sundaranar University	November 08, 2010	UGC - SAP Lecture Series	Common Weight Decompositions	Faculties/ Research Scholars	National
Thiagarajar College of Engineering, Madurai	August 30, 2012	TEQIP	Generalized Degrees in Graphs	PG students	----
Fatima College (Evening), Madurai	August 17, 2012	Fatima College	A first Look at Graph Theory	PG students	-----
Fatima College, Madurai	September 04, 2012	Fatima College	Graphs as Social Networks	PG students	-----
Christ University, Bangalore	February 15 – 16, 2013	Christ University	Colorings through Domination	Faculties/ Research Scholars	National

Thiagarajar College, Madurai	27.02.2013	UGC Autonomy Grant	Signed Graphs	Faculties/ Research Scholars	National
V.V.V College for Women, Virudunagar.	July 31, 2013	UGC Autonomy Grant	Recent Trends in Domination Related Parameters	PG students	----
Lady Doak College, Madurai	August 08, 2013	LDC	An Introduction to Graph Theory	PG students	----
R.D.M College, Sivagangai	August 02 – 03, 2013.	UGC	Colorings and Domination in Graphs	Faculties/ Research Scholars	National
E.M.G Yadava Womens College, Madurai	during October 21 – 22, 2013	UGC	Independence Related Parameters in Graphs	Faculties/ Research Scholars	National
Mannar Thirumalai Naicker College	December 03, 2013.	Vigyan Prasar, DST, New Delhi	Applications of Graph Theory	School Teachers	National
St. Dominic's College, Kanjirapalli, Kerala	November 21 – 22, 2013	UGC	Colorings and Domination	Faculties/ Research Scholars	-----
SRNM College, Sattur	February 11, 2014.	UGC Autonomy grant	Keynote Address in State Level Seminar on Recent Developments in Mathematics	PG students	-----
Arul Ananthar College, Karumattur	February 25, 2014	UGC	Degrees in Graphs - A General View	Faculties/ Research Scholars	National
Fatima College, Madurai	March 18, 2014.	Fatima College	Foundations to Pure Mathematics	PG students	-----
VHNSN College, Virudhunagar	September 16, 2014.	UGC Autonomy grant	Graphs through Labelings	PG students	-----
Mount Carmel College, Bangalore	September 19, 2014.	Mount Carmel College	Graphs of Integers	PG students	-----
NSS Hindu College, Changanachery, Kerala,	23-24, October 2014.	UGC	Divisor Graphs and Prime Graphs	Faculties/ Research Scholars	National
Fatima College, Madurai	February 04, 2015	Fatima College	Generalized Degrees in Graphs	PG students	----



Madurai Sivakasi Nadar Pioneer Meenakshi College for Women, Veerapanchan	February 19, 2015.	Madurai Sivakasi Nadar Pioneer Meenakshi College for Women	Keynote Address at the inauguration of the BIOMATHS 2015	UG Students	-----
Christ University, Bangalore	March 8-11, 2015.	Christ University	Decomposition Problems	Faculties/ Research Scholars	National
Sermathai Vasan College, Madurai	January 11, 2016.	Sermathai Vasan College,	Coloring and Domination in Graphs	Faculties/ Research Scholars	National
Fatima College, Madurai	January 22, 2016.	Fatima College	Beauty of Pure Mathematics	PG students	-----
Fathima College, Madurai	March 14, 2016	Fatima College	Logic in Mathematics	PG students	-----
Siddaganga Institute of Technology, Tumkur, Karnataka	09 – 11, June 2016.	ADMA &DST	Domination and Coloring Related Concepts in Graphs	Faculties/ Research Scholars	International
Hidusthan College of Engineerin and Technology, Coimbatore	14 – 15, July 2016.	Hidusthan College of Engineering and Technology	Decomposition and Labeling in Graphs	Faculties/ Research Scholars	National
The American College, Madurai	29-07-2016	UGC Autonomy grant	Groups and Graphs in the inauguration of PG Mathematics Association	PG/Mphil students	-----
SRNM College, Sattur	03.09.16.	Virudhunagar District Cluster of Colleges Joint Faculty Programme	Generalized Degrees in Graphs	PG students	-----
Thiagarajar College of Engineering, Madurai	23 – 24, February 2017	TEQIP	Independence Parameters in Graphs	Faculties/ Research Scholars	National

### 15. Academic council/Board of studies Member

Institution	For a period of	Department
Sadakathulla Appa College, Palayamkottai	03	Mathematics
SRNM College (Autonomous), Sattur	05	Mathematics
EMG Yadava Women's College (Autonomous)	03	Mathematics
Sri.G.V.G.Vishalakshi College for women(Autonomous)	03	Mathematics
HKRH college, Utthamapalayam	03	Mathematics

### 16. Reviewer/Editor of a Journal

Title of the Journal	ISSN No	International/ National	Impact Factor
Discussions Mathematicae Graph Theory	1234-3099 (print version) 2083-5892 (electronic version)	International	0.372
FILOMAT	0354-5180 (Print) 2406-0933 (Online)	International	0.603
International Journal of Mathematics and Soft Computing	2249-3328 (Print) 2319-5215 (Online)	International	---
MAPANA Journal of Sciences	ISSN 0975-3303	International	
AMS Mathematical Reviews		International	
Discrete Mathematics, Algoritms and Applications	Print ISSN: 1793-8309 Online ISSN: 1793-8317	International	
Asian Journal of Mathematics and Computer Research	2395-4205 (Print), 2395-4213 (Online)	International	
British Journal of Mathematics and Computer Research	<a href="#">2231-0851</a>	International	

### 17. Details of Orientation/Refresher courses attended

Orientation/ Refresher	University	Duration	
		From	To
Orientation	Madurai Kamaraj University, Madurai	08.11.2011	05.12.2011
Refresher	Madurai Kamaraj University, Madurai	25.11.2015	15.12.2015