

RESUME



**Dr. G. PRINCESS
RATHINABAI
Guest Lecturer,
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Tirunelveli - 627 008**

PERSONALDETAILS

Date of Birth : 26.05.1995
Qualification : M.Sc., Ph.D
Designation : Guest Lecturer
Department : Mathematics
Community : BC
Religion : Christian
Nationality : Indian
EmailID : rathinag95@gmail.com

ACADEMIC QUALIFICATIONS				
Degree	Specialization	College	University	Year of Passing
Ph.D	Mathematics	St. John's College, Palayamkottai, Tirunelveli.	Manonmaniam Sundaranar University, Tirunelveli.	2022
M. Sc	Mathematics	St. John's College, Palayamkottai, Tirunelveli.	Manonmaniam Sundaranar University, Tirunelveli.	2017
B. Sc	Mathematics	St. John's College, Palayamkottai, Tirunelveli.	Manonmaniam Sundaranar University, Tirunelveli.	2015

TEACHING EXPERIENCE	
Date of Appointment	20.01.2023
Date of Retirement	
Research	5years

AWARDS RECEIVED	
1.	Awarded the Second Prize for Academic Excellence in the Academic year 2013-2014
2.	Awarded the Best outgoing Student certificate from Department of Mathematics, St. John's College in 2017.
3.	Awarded the Best outgoing Student certificate for Women's Cell Activities, St. John's College in 2017.

ORIENTATION/REFRESHER COURSES/FACULTY DEVELOPMENT PROGRAMME UNDERGONE(1)			
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1.	International FDP on "Data Analytics and Machine Learning" (virtual mode)	Mizoram University and North-Eastern Hill University.	Mizoram University and North-Eastern Hill University & 21-25 March 2022

DETAILS OF RESEARCH WORK		
Research Stages	Title of the Thesis	University where the work was carried out
Completed	A STUDY ON TOPOLOGICAL INDICES OF LABELED GRAPHS	Manonmaniam Sundaranar University, Tirunelveli.

AREAS OF RESEARCH
Graph Theory
Mathematical Biology

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS INDEXED	WEB OF SCIENCE	UGC LISTED
0	4	3	0	1
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	PATENT
0	0	8	13	

BOOK CHAPTERS (4)			
S.No	Title of the Paper	Name of the Book	ISBN No., Pg.No
1.	Roots of the non-neighbor harmonic polynomial of tadpole graph, ladder graph, and their subdivision graphs	Proceedings of the International conference on Graph Theory and its Applications (ICGTA19)	978-81-938054-7-3, 9-12.
2.	Dominating sets of cell graphs	Proceedings of the International conference on Materials and Mathematical Sciences (ICMMS-2020)	978-81-909237-8-1, 180-185.
3.	Labeling of color graphs	Proceedings of the Second International Conference on Applied Mathematics and Intellectual Property Rights (ICAMIPR2-2021)	9789380430331, 209-212.
4.	Relation between the sum of the densities of labeled graphs	Proceedings of the International Conference on Advanced Mathematical Modeling and Computational Techniques (ICAMMCT-2021)	978-93-85434-84-6, 248-251.

PUBLICATIONS:SCOPUS INDEXED JOURNALS(3) WEB OF SCIENCE(0)			
S.No	Title of the Paper	Name of the Journal	ISSNNo.,Volume,Issue,Impact factor &Pg. No
1.	Construction Of Color Graphs	Advances In Mathematics: Scientific Journal	1857-8365, 9, 5 & 2397-2404
2.	Labeling Of Cell Graphs	Advances In Mathematics: Scientific Journal	1857-8365, 10,2 & 779-785
3.	Topological Indices For Labeled Graphs	Advances In Mathematics: Scientific Journal	1857-8365, 10, 3 & 1301-1309

PUBLICATIONS:UGC LISTED JOURNALS(1)			
S.No	Title of the Paper	Name of the Journal	ISSNNo.,Volume,Issue, Impactfactor &Pg.No
1.	Cell Graph Analysis Through Various Construction Methods	Malaya Journal of Matematik	2319-3786, Special Issue, 1 & 586-588

WEBINARS/SEMINARS/CONFERENCES/SYMPOSIUM/WORKSHOP			
PAPER PRESENTED:National(1)International(7)			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	International conference on Graph Theory and its Applications (ICGTA19)	UG(aided) and Research Department of Mathematics, Sadakathullah Appa College, Tirunelveli.	Sadakathullah Appa College, Tirunelveli and 27th February 2019.
2.	International conference on Applied Mathematics and Intellectual Property Rights, (ICAMIPR-2020)	PG and Research Department of Mathematics, A.P.C. Mahalaxmi College For Women, Thoothukudi.	A.P.C. Mahalaxmi College For Women, Thoothukudi, 20 th & 21 st January 2020.
3.	National conference on Mathematics and Computer Applications (NCMCA-2020)	Department of Mathematics, Women's Christian College, Chennai.	Women's Christian College, Chennai, 28th & 29th January 2020.
4.	International conference on Materials and Mathematical Sciences (ICMMS-2020) (Virtual Mode)	School of Advanced Sciences, Kalasalingam Academy of Research and Education, Srivilliputhur.	Kalasalingam Academy of Research and Education, Srivilliputhur, 19 th & 20th June 2020.
5.	International conference on Advances in Science, Engineering & Mathematics (ICASEM-2020) (Virtual Mode)	Annamacharya Institute of Technology and Sciences (Autonomous) in association with Andhra Pradesh and Telangana Society for Mathematical Sciences.	Annamacharya Institute of Technology and Sciences (Autonomous), Andhra Pradesh, 7th to 9th, August 2020.
6.	International conference on Advanced Research in Mathematical Sciences (ICARMS-2021) (Virtual Mode)	Department of Mathematics, Sri Manakula Vinayagar Engineering College, Pudhucherry.	Sri Manakula Vinayagar Engineering College, Pudhucherry, 24th & 25th, February 2021.
7.	Second International conference on Applied Mathematics and Intellectual Property Rights (ICAMIPR2-2021) (Virtual Mode)	PG and Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi.	A.P.C. Mahalaxmi College for Women, Thoothukudi, 09th & 10th, March 2021
8.	International conference on Advanced Mathematical Modeling and Computational Techniques (ICAMMCT-2021)	Department of Mathematics, AMET Deemed to be University, Chennai.	AMET Deemed to be University, Chennai, 28th to 30th, June 2021

**WEBINARS/SEMINARS/CONFERENCES/SYMPOSIA/WORKSHOP
ATTENDED:13**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	National Seminar on “Graph Theory and its Applications”	Department of Mathematics, Sadakathullah Appa College, Tirunelveli.	Sadakathullah Appa College, Tirunelveli and 14.09.2017.
2.	One day National conference on “Innovations in Mathematics (NCIM-2018)”	UG, PG and Research Department of Mathematics, Sadakathullah Appa College, Tirunelveli.	Sadakathullah Appa College, Tirunelveli and 09.02.2018.
3.	International conference on “Algebra and Discrete Mathematics-ICADM-2018”	Department of Mathematics, Directorate of Distance Education, Madurai Kamaraj University, Madurai.	Madurai Kamaraj University, Madurai and 08 th to 10 th January 2018.
4.	International Conference on “Discrete Mathematics and its Applications”	UGC, Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli.	Manonmaniam Sundaranar University, Tirunelveli and 18 th to 20 th January 2018.
5.	One day International seminar on “Recent Trends in Mathematics”	Department of Mathematics and IQAC, Nazareth Margoschis College, Pillaiyanmanai, Nazareth.	Nazareth Margoschis College, Pillaiyanmanai, Nazareth and 02.03.2018.
6.	One day National level Multi Disciplinary workshop on “Research Ethics: New Directions”	PG and Research Department of English, St. John’s College, Palayamkottai, Tirunelveli.	St. John’s College, Palayamkottai, Tirunelveli and 31.08.2018.
7.	One day seminar on “Quality Research and Publications”	Centre for Research, Manonmaniam Sundaranar University, Tirunelveli.	Manonmaniam Sundaranar University, Tirunelveli and 07.12.2018.
8.	International conference on “New Frontiers in Mathematics and Computing- ICNFMFC’19”	Department of Mathematics and Department of Computer Science, Lady Doak College, Madurai.	Lady Doak College, Madurai and 18 th & 19 th February 2019.
9.	Seminar on “Importance of Intellectual Property rights (IPR) in the Indian Context”	IQAC/NAAC and Research Forum, St. John’s College, Palayamkottai, Tirunelveli.	St. John’s College, Palayamkottai, Tirunelveli and 30.03.2019.
10.	Seminar on “Journal Publication, Impact Factor and Citation, Index”	IQAC, St. John’s College, Palayamkottai, Tirunelveli.	St. John’s College, Palayamkottai, Tirunelveli and 30.08.2019.
11.	One Day State Level Seminar on “Labeling Problems in Graphs”	PG and Research Department of Mathematics, V. O. Chidambaram College, Thoothukudi.	V. O. Chidambaram College, Thoothukudi and 27.02.2020.

12.	“International Web Conference on Pure and Applied Mathematics”,	PG and Research Department of Mathematics, St. Xavier’s College (Autonomous), Palayamkottai, Tirunelveli.	St. Xavier’s College (Autonomous), Palayamkottai, Tirunelveli and 23 rd & 24 th June 2020
13.	“Webinar on Current Trends in Chemical Graph Theory (CTCGT-2021-2022)”	PG and Research Department of Mathematics, C. Abdul Hakeem College (Autonomous), Melvisharam.	C. Abdul Hakeem College (Autonomous), Melvisharam and 10.07.2021

Date : 01/04/2023

G. PRINCESS RATHINABAI