

# RESUME



**Name: Dr. J. Vinolin**  
**Designation: Assistant Professor**  
**Department: Mathematics (Shift II)**  
**Address :2/167D, Jeyajothi Nagar, Krishnapuram, Tirunelveli-11**

## PERSONAL DETAILS

Date of Birth : 30.10.1991  
Qualification : M.Sc., M.Phil., Ph.D.,  
Designation : Assistant Professor  
Department : Mathematics (Shift II)  
Community : BC  
Religion : Roman Catholic  
Nationality : Indian  
Mobile : 8098405321  
Email ID : judevino3010@gmail.com

## ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B. Sc.	Mathematics	St.Xavier's College (Autonomous), Palayamkottai.	Manonmaniam Sundaranar University	2012
M. Sc.	Mathematics	St.Xavier's College (Autonomous),	Manonmaniam Sundaranar	2014

		Palayamkottai	University	
M. Phil.	Mathematics	St.Xavier's College (Autonomous), Palayamkottai	Manonmaniam Sundaranar University	2015
PhD	Mathematics (Graph Theory – Labeling)	St.Xavier's College (Autonomous), Palayamkottai	Manonmaniam Sundaranar University	2021

### ACADEMIC IDENTITY

*VIDWAN ID	287790
*ORCID ID	0000-0003-2672-0113
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	GON-8958-2022
GOOGLE SCHOLAR LINK	<a href="https://scholar.google.com/citations?user=80srtCoAAAJ&amp;hl=en">https://scholar.google.com/citations?user=80srtCoAAAJ&amp;hl=en</a>

### TEACHING EXPERIENCE

<b>Date of Appointment</b>	15.06.2019
<b>Date of Retirement</b>	31.10.2051
<b>Teaching Experience</b>	UG – 6 Months
	PG
	M.Phil.
<b>Date of Appointment</b>	18.07.2022
<b>Date of Retirement</b>	31.10.2051
<b>Teaching Experience</b>	UG 2022 - still
	PG 2022 - still
	M.Phil.
<b>Research</b>	Guided M Phil: Guided Ph D: Guiding Ph Scholar:

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B.Sc/ Algebra 2, Vector Calculus,	Vyasa Arts and Science Women's College	June 2019	2.12.2019	6 months

NME - Statistics Statistics				
UG/ Human and Social Analysis, Environmental Studies, Mechanics, NME- Numerical Ability I, NME- Numerical Ability II, C and C++, Graph Theory, Differential Calculus, Integral Calculus, Laplace Transforms, Sequence and Series	St. Xavier's College (Autonomous)	July 2022	still	3 years and 1 month
PG/Algebra II, Advanced Algebra, CONM, Object oriented programming with JAVA, Operations Research, Number Theory and Cryptography, Neural Networks, Integral Equation and Calculus of Variations	St. Xavier's College (Autonomous)	July 2022	still	3 years and 1 month

### AWARDS RECEIVED

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### ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR
	NIL	-----	-----

### MEMBERSHIP

S. No	Designation	Particulars
1	In Charge Staff for II UG	STAND

<b>ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( )</b>			
<b>S. No</b>	<b>Name of the Training</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Faculty in Universities/Colleges/Institutes of Higher Education (Orientation)	Ministry of Education, Ramanujan College, University of Delhi.	Zoom Portal 22 July - 20 August, 2023
2	Art of Research Publications and Promotion(FDP)	Department of Science and Humanities and General Engineering, JACSI College of Engineering	Zoom Portal 3 <sup>rd</sup> to 5 <sup>th</sup> March 2023
3	AI Tools for Research and Teaching	Department Of Data Science – SXC	Zoom Portal 9 <sup>th</sup> March 2025
4	NEP 2020 Orientation and Sensitization Programme	UGC- MMTC, Mizoram University	Zoom Portal 22 <sup>nd</sup> to 30 <sup>th</sup> May 2025

<b>ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( )</b>			
<b>S. No</b>	<b>Name of the Training</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Orientation Programme For Teachers	Internal Quality Assurance Cell - SXC	St. Xavier's College (Autonomous), Palayamkottai. 15 <sup>th</sup> and 16 <sup>th</sup> of July 2022
2	SXC – Centenary – Faculty Empowerment Programme	Internal Quality Assurance Cell - SXC	St. Xavier's College (Autonomous), Palayamkottai 23.07.2022
3	Orientation Program for the Newly Recruited Faculty Members	Internal Quality Assurance Cell - SXC	St. Xavier's College (Autonomous), Palayamkottai 6 <sup>th</sup> July 2024
4	Teaching teachers: Style and Professionalism	Internal Quality Assurance Cell - SXC	St. Xavier's College (Autonomous), Palayamkottai 23.07.2024
5	Preparation and finalizing research papers for journals recognized by institute for scientific information	Internal Quality Assurance Cell - SXC	St. Xavier's College (Autonomous), Palayamkottai 08.08.2024
6	SEEP	Internal Quality Assurance Cell - SXC	St. Xavier's College (Autonomous), Palayamkottai 19 <sup>th</sup> and 20 <sup>th</sup> November 2024
7	Enhancing research productivity: impactful publications and projects	Internal Quality Assurance Cell - SXC	St. Xavier's College (Autonomous),

			Palayamkottai 12.12.2024
8	Imparting computing skills to student community	Internal Quality Assurance Cell - SXC	ZOHO, Tirunelveli 15.02.2025

### DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Ph. D	Labeling in Graphs - A Study	Manonmaniam Sundaranar University

### AREAS OF RESEARCH

Graph Theory - Labeling, Domination

Algebraic Graph Theory – Zero Divisor Graphs.

### RESEARCH PROJECTS CARRIED OUT

S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration
	NIL	-----	----

### PUBLICATIONS

BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
-	-	1	-	-
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	
7	-	4	8	

### PUBLICATIONS: BOOKS ()

S. No	Title of the Book	Publication	Year
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# **BOOK CHAPTERS ()**

S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

# **PUBLICATIONS: SCOPUS INDEXED JOURNALS (4) WEB OF SCIENCE ()**

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Topological Indices on Splitting, Shadow and Total graphs	Montes Taurus Journal of Pure and Applied Mathematics	Accepted (Soon to be published)

# **PUBLICATIONS: UGC LISTED JOURNALS ()**

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

# **PUBLICATIONS: OTHER INDEXED JOURNALS (3)**

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No
1.	Line Join Connected Domination on a Graph	International Journal of Mathematics Trends and Technology	ISSN: 2231-5373, Volume 32, Issue 2, Impact Factor: 1.01, 66-70.
2.	Bounds on the Connected Domination in Graphs	Journal of Computational Mathematica	ISSN: 2456 – 8686, Volume 2, Issue 1, 1 – 14.
3.	Skolem Mean Labeling of Six Star graphs with partition 3, 3	International Journal of Analytical and Experimental Modal Analysis	ISSN: 0086 – 9367, Volume XIII, Issue1, 724 – 730
4.	Skolem Mean Labeling of Four Star Graphs $G = K_{1,\eta_1} \cup K_{1,\eta_2} \cup K_{1,\tau_1} \cup K_{1,\tau_2}$ where $\eta_1 + \eta_2 + 1 \leq \tau_1 + \tau_2 \leq \eta_1 + \eta_2 + 2$	International Journal of Engineering and Advanced Technology	ISSN: 2249 – 8958, Volume 9, Issue 3, impact factor 5.97, 1994 – 1996
5.	Skolem Mean Labeling of Six Star Graphs $G = K_{1,\eta_1} \cup K_{1,\eta_2} \cup K_{1,\eta_3} \cup K_{1,\eta_4} \cup K_{1,\tau_1} \cup K_{1,\tau_2}$ where $0 \leq  \sum_{i=1}^2 \tau_i - \sum_{i=1}^4 \eta_i  \leq 1$	International Journal of Recent Technology and Engineering	ISSN: 2277 – 3878 Volume 8, Issue 6, impact factor 0.107, 1865 – 1867

6.	Relaxed Skolem Mean Labeling of Four Star Graphs $G = K_{1,l_1} \cup K_{1,l_2} \cup K_{1,l_3} \cup K_{1,l}$ where $l_1 \leq l_2 \leq l_3$ with $ l - l_1 - l_2 - l_3  = 1$	International Journal of Engineering and Advanced Technology	ISSN: 2249 – 8958, Volume 9, Issue 3, impact factor 5.97, 3743 – 3745
7.	Relaxed Skolem Mean Labeling of Four Star Graphs $G = K_{1,l_1} \cup K_{1,l_2} \cup K_{1,l_3} \cup K_{1,l}$ where $l_1 \leq l_2 \leq l_3$ with $ l - l_1 - l_2 - l_3  = 2$	International Journal of Engineering and Advanced Technology	ISSN: 2249 – 8958, Volume 9, Issue 3, impact factor 5.97, 3577 – 3578
8.	Exploring Ant diversity with Fuzzy logic and python	Journal of Mathematical Problems, Equations and Statistics	ISSN:2709-9407, Volume 4, Issue (1), 49-53

#### AS A RESOURCE PERSON ()

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
<b>WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP</b>			
<b>PAPER PRESENTED: National (3) International (1)</b>			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	National Conference On Recent Advancements In Mathematics	PG and Research Department of Mathematics, Kamaraj College, Thoothukudi.	Kamaraj College, Thoothukudi. 15 <sup>th</sup> January 2020.
2.	National Conference On Recent Trends in Graphs	PG and Research Department of Mathematics(Unaided), Sadakathullah Appa College (Autonomous), Tirunelveli	Sadakathullah Appa College (Autonomous), Tirunelveli. 5 <sup>th</sup> February 2020
3.	National Seminar on Recent Trends in Pure and Applied Mathematics	TANSCH, Chennai.	Rani Anna Govt. College(W), Tirunelveli. 1 <sup>st</sup> March 2020
4.	International Conference on Recent Trends in Mathematics	PG and Research Department of Mathematics, Holy Cross (Autonomous) College, Trichy	Holy Cross (Autonomous) College, Trichy 6 <sup>th</sup> February 2025

#### WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED: 8

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
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1	National Conference on Recent Advances in Pure and Applied Mathematics	PG and Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai.	St. Xavier's College (Autonomous), Palayamkottai. 7 <sup>th</sup> March 2014
2	National Conference on Mathematical Analysis and Graph Theory	PG and Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai.	St. Xavier's College (Autonomous), Palayamkottai. 10 <sup>th</sup> to 12 <sup>th</sup> March 2016
3	National Conference on Recent Advances in Fuzzy Mathematics and Applications	PG and Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai.	St. Xavier's College (Autonomous), Palayamkottai. 9 <sup>th</sup> & 10 <sup>th</sup> February 2017
4	One Day National Workshop on Hands on with LaTeX	Department of Information Technology, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur. 26 <sup>th</sup> April 2017
5	National Seminar on Graph Theory and its Applications	Department of Mathematics, Sadakathullah Appa College (Autonomous), Tirunelveli.	Sadakathullah Appa College (Autonomous), Tirunelveli. 14 <sup>th</sup> September 2017
6	International Conference on Discrete Mathematics and its Applications	UGC Sponsored	Manonmaniam Sundaranar University, Tirunelveli. 18 <sup>th</sup> to 20 <sup>th</sup> January 2018
7	National Conference on Recent Trends in Algebra and Topology.	PG and Research Department of Mathematics, Rani Anna Govt. College(W), Tirunelveli.	Rani Anna Govt. College(W), Tirunelveli. 27 <sup>th</sup> January 2020
8	SXC Centenary Year International Conference on Recent Developments in Pure and Applied Mathematics.	PG and Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai.	St. Xavier's College (Autonomous), Palayamkottai. 19 <sup>th</sup> to 21 <sup>st</sup> July 2022
9	A Two day workshop on Linear Algebra	PG and Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai.	St. Xavier's College, Palayamkottai. 6 <sup>th</sup> & 7 <sup>th</sup> December 2023
10	International Conference on Recent Trends in Mathematics	PG and Research Department of Mathematics, St. Xavier's	St. Xavier's College (Autonomous), Palayamkottai



		College (Autonomous), Palayamkottai.	11.09.2024 & 12.09.2024
11	International Conference on Recent Trends in Mathematics	PG and Research Department of Mathematics, Holy Cross (Autonomous) College, Trichy	Holy Cross (Autonomous) College, Trichy 6 <sup>th</sup> February 2025

### **COUNTRIES VISITED**

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### **EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)**

District level Shuttle Badminton Player (School Level).

Won many prizes in interdepartmental cultural competitions INDECO conducted by St. Xavier's College.

Won first prize in the event Poster presentation in the inter- collegiate meet conducted by the PG and research Department of Mathematics, Bishop Heber College, Trichy.

Won Second prizes in Maths Quiz and Who am I? competition in the inter- collegiate meet conducted by the PG and research Department of Mathematics, Bishop Heber College, Trichy.

**Date: 13.08.2025**

**Name: Dr. J. Vinolin**