CAUVERY COLLEGE FOR WOMEN(AUTONOMOUS)

STAFF PROFILE

PERSONAL INFORMATION

1. Name **: Dr. E. LITTA**

2. Date of Birth **: 12.03.1977**

3. Address **:**

Residential	Office
E. Litta 11A Iruthayapuram First Street, Palakarai, Trichy- 620001.	E.Litta Associate Professor, PG and Research Department of Mathematics, Cauvery College for Women(Autonomous) Annamalai Nagar, Trichy - 620018. Tamilnadu.

ACADEMIC INFORMATION

4. Designation & Department: Associate Professor

PG and Research Department of Mathematics

5. Educational Qualification:

Degree	Year	College/University
B.Sc Mathematics	1998	Holy Cross College, Trichy.
M.Sc Mathematics	2003	Holy Cross College, Trichy.
M.Phil Mathematics	2005	St.Joseph's College, Trichy.
B.Ed	2008	Indira Gandhi Open University.
PGDCSA	1999	St.Joseph's College, Trichy.
Ph. D	2020	St.Joseph's College, Trichy.

6. Researcher ID **:**

Google Scholar : https://scholar.google.com/citations?user=1TkTnCsAAAAJ&hl=en

Orcid : https://orcid.org/0000-0003-2741-680X?lang=en

Vidwan: https://vidwan.inflibnet.ac.in/profile/206358

Publons : https://publons.com/researcher/4276768/litta-/

7. Dissertation/Thesis:

S.No	Research Degree M.Phil/ Ph.D	Title of Dissertation /Thesis
1.	M.Phil.,	Peterson Graphs
2.	Ph.D.,	Modified Zagreb Indices, F- Index, F – Coindex and T-Colouring of Graphs

8. Experience :

Date of joining	Institution	Year of Experience
06.07.2009	Cauvery College For Women(Autonomous)	17 Years

9. Areas of Specialization : Graph Theory

10. Languages known : Tamil, English

11. Subjects Taught :

UG	Algebra and Calculus, Numerical Analysis and Statistics, Calculus and Fourier Series, Operations Research, Analytical Geometry of 3D and Integral Calculus, Bio Statistics, Graph Theory, Vector Calculus and Fourier Series, ODE, PDE, Laplace Transforms and Vector Calculus, Mathematical Statistics – II, Differential Equations and Laplace Transforms, Methods of Numerical Analysis, Bio Statistics and Computer Application, Probability and Statistics, Algebra and Theory of Numbers, Office Management Tools, Complex Analysis, Numerical Methods with MATLAB Programming, Linear Algebra, Universal Human Values, Environmental Studies, Business Statistics, Probability and Queueing Theory.
PG	Integral Equation, Calculus of variation and Fourier Transforms, Linear Algebra, Graph Theory, Discrete Mathematics, Social Work Research and Social Statistics, Quantitative Techniques for Business, Mathematical Foundation for Computer Science, Optimization Techniques Probability Theory.

12. Research Supervision:

	University from where guideship obtained	Thesis		
		Completed (in numbers)	Year Of Completion	Pursuing (in numbers)
M.Phil	-	-	-	-
Ph.D	-	-	-	-

13. Details of Publications :

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
International Journal of Mathematical Archive	2017	2229-5046	Modified Zagreb Indices of Bridge Graphs	4.908

International Journal of Mathematics Trends and Technology	2017	2231-5373	Changing and Unchanging properties of Single Chromatic Transversal Domination Number of Graphs.	2.53
International Journal of Research in Advent Technology	2019	2321-9637	F- Co-Index of Generalized Mycielskian Graphs	5.153
International Journal of Recent Scientific Research	2019	0976-3031	F-Index Of Generalized Mycielskian Graphs	7
Infokara Research	2019	1021-9056	Single Chromatic Transversal Dominating Irredundant Number For odd cycles, Petersen graph and Mycielski Graph	5.3
Adalya Journal Web of Science	2019	1301-2746	Single Chromatic Transversal Dominating Irredundant Number of graphs	5.3
Infokara Research	2020	1021-9056	First and Second Modified Zagreb Indices of Product Graphs	5.3
International Journal for Research in Applied Science & Engineering Technology	2023	1553-1558	Proper Colourings in r–Regular Modified Zagreb Index Graph	7.538
Aryabhatta Journal of Mathematics and Informatics	2023	149–154	Proper Colourings in r–Regular Zagreb Index Graph	5.856
International Journal for Research in Applied Science & Engineering Technology	2024	1603 – 1607	Proper Colourings in r–Regular Randic Index Graphs	7.538
International Journal for Research in Applied Science & Engineering Technology	2024	580-584	Augmented Zagreb Index of Corona Product of Some Special Graphs	7.538

14. Detailsof BookChaptersPublished:

S.No	ChapterName	BookName&Volume	Year of Publication	Print ISBN	eBook ISBN
1.	Proper Colourings in r–Regular Inverse Sum Indeg Index Graphs	Research and Applications Towards Mathematics and computer Science	Feb 2024	978-81-970187-9-4	978-81-970187-9-4

15. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
Jan 04-07,2018	Periyar University	International Conference on Discrete Mathematics	Single Chromatic Transversal Domination Number of Graphs
Jan 07-09,2019	St.Joseph College, Trichy.	International Conference on Discrete Mathematics	First and Second Modified Zagreb Indices of Product Graphs

16. Details of Seminars/Conferences/Workshops Attended:

Year & Date	Organizer	Title	National/ International	Topic
January 9^{th}&10^{th}, 2015	St.Joseph College, Trichy.	National Conference on Discrete Mathematics	National	-
15^{th}&16^{th} December 2016	St. Joseph's College, Trichy-1	Fourth National Conference On Application of Mathematics-Recent Trends	National	-

17. Details of Seminars/Conferences/Workshops Organized:

Date	Title	National/ International	Topic
-	-	-	-

18. Details of Orientation/Refresher Course Attended:

Date	TitleoftheCourse	Organizer
20.05.2010– 16.06.2010	UGC Sponsored Orientation Course	Bharathidasan University

19. Details of Study Materials /Books written and published : Nil

20. Details of Chairing as Resource Person:

Date	Title of the Seminar/Conference	Institution	Session Shared
-	-	-	-

21. Administrative Positions held in the College:

Nature of Position	Year
Nil	-

22. Details of Incharge /Participation in Extra curricular Activities:

(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):

Nature of Activity	Period of In-charge
Sports	2009 - 2014, 2022 to till date
Department Library In-charge	2010 - 2016
Alumnae In-charge	2021 - 2025
Student Progression In-charge	2021 - 2025
BOMAC Club In-charge	2023 – 2025
Placement	2018 to till date

23. Details of Participation in Consultancy, Training, Development etc..:

a. Consultancy - Microsoft - Certified Microsoft Innovative Educator
b. Consultancy – Microsoft – Getting started with one Note

24. Details of Membership in Academic Bodies /Board of Studies: Nil

25. Details of Membership of Professional Bodies: Nil

26. **Countries visited academically** :Nil

27.Any other information if any:

a. Number of Faculty Development Programs Attended : 14

b. Number of Webinars Attended :27