### Aditanar College of Arts and Science Virapandianpatnam – 628216 Tiruchendur Bio – Data

Name of the Department : MATHEMATICS

Name of the faculty member : Dr.J.RAJAKUMARI

Qualification : M.Sc.,M.Phil.,PGDCA.,Ph.D

Present Designation : Assistant Professor

Vidwan id : 418761

Residential Address : 9/4 Manoharan Street, Pannaivilai,

Thoothukudi-628751

Contact Nos. : 9629597824

Email : rajakumarieben@gmail.com

Gender : Female

Community : BC

Date of Birth and Age : 16.02.1984

Date of joining : 12.08.2009

Date of Retirement : -

#### I. Particulars of Educational Qualification

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc	Mathematics	2004	APC Mahalaxmi College for women, Thoothukudi.	MS University, Tirunelveli	83.9	First Class
PG	M.SC	Mathematics	2006	APC Mahalaxmi College for women, Thoothukudi.	MS University, Tirunelveli	83.4	First Class with Distinction
M. Phil	M.Phil	Mathematics	2008	M.S.U. Education Centre,Kamaraj College, Thoothukudi.	MS University, Tirunelveli	65	First Class
Ph.D.	Ph.D	Topology	2019	Aditanar College of Arts and Science, Tiruchendur	MS University, Tirunelveli	Awarded	Awarded

II Additional Qualification

**NET/SLET** 

III Title of Ph.D. Thesis : "A Study on Alpha

**Generalized Star** 

**Pre Topological Structures**"

IV Faculty/Discipline/Subject in which Ph.D. was : Mathematics

awarded

List of Publications : (Details Attach separate sheet)

No. of Candidates Completed Ph.D. under your Guidance : (Details Attach separatesheet)

No. of candidates doing Ph.D. under your Guidance : (Details Attach separatesheet)

# V Academic Experience:

	Name of	Whether	Designation	Joining	Relieving	Experience			
t	he College	Govt/Aided/S.F.	Designation	Date	Date	Years	Months	Days	
A S	Aditanar College of Arts and Science, Ciruchendur	S.F	Assistant Professor	12.08.2009	-	14	2	6	
	Total					14	2	6	

VI Administrative/other Experience :-

VII Other Relevant Information : -

### Book chapters or Papers published in national/international conference/Seminar/ workshop proceedings

Title of the Chapter/ paper	Name of the authors	Title of the Book/ Proceedings of the conference	Name of the conference	National/ International	Year of publication	ISBN number of Book/ proceedings	Publisher/Affiliating Institute at the time of Publication
P(Gg)*-Closed Sets in Topological Spaces	J.Rajakumari S.Pavithra		International Conference on Emerging Trends in Mathematical Sciences and Applications	International	2023	978-93- 95341-61-5	Department of Mathematics, Noorul Islam Centre for Higher Education, Thuckalay (SK Research Group of Companies Publication)
Minimal αg*p- Closed sets and Maximal αg*p- closed sets in Topological Spaces	J.Rajakumari		Recent Trends in Algebra and Topology	National	2020	978-81- 907459-7-3	PG & Research Department of Mathematics, Rani Anna Government College for Women, Tirunelveli. (Ideal Publications)
$P_{\alpha}$ -Open Sets and $P_{\alpha}$ -Continuity in Topological Spaces	J.Rajakumari		International Virtual Conference On Current Scenario In Modern Mathematics	International	2022	978-81- 948552-9-3	PG & Research Department of Mathematics, Aditanar College of Arts and Science, Tiruchendur.

## Research papers published in the Journals:

Title of paper	Title of paper Name of the authors		Volume, Issue, Page No, Year	ISSN number	Is it listed in UGC Care list
A New Notion of Generalized Closed Sets in Topological Spaces .	J.Rajakumari C.Sekar	International Journal of Mathematics Trends and Technology	Vol 36(2)(2016) , 124-129.	2231-5373	Yes
On αg*p-Continuous and αg*p-Irresolute Maps in Topological Spaces	J.Rajakumari C.Sekar	International Journal of Mathematical Archive	7(8) (2016), 124-131.	2229-5046	Yes
On αg*p-Connectedness and αg*p-Compactness in Topological Spaces	J.Rajakumari C.Sekar	International Journal of Mathematical Archive	7(9) (2016), 154-161.	2229-5046	Yes
On αg*p-Regular and αg*p- Normal Spaces	J.Rajakumari C.Sekar	Asian Journal of Current Engineering and Maths	5(6),2016, 110-113	2277-4920	-
A New Class of αg*p- Continuous Functions in Topological Spaces	J.Rajakumari C.Sekar	International Journal of Mathematics And its Applications	4(3-A),2016, 149-155	2347-1557	Yes
Contra alpha generalized star pre-continuous functions in Topological Spaces	J.Rajakumari C.Sekar	Journal of Global Research in Mathematical Archives	4(3-A),2016, 149-155	2320-5822	Yes
On Minimal and Maximal $\psi$ g*-Closed Sets	P.Janaki J.Rajakumari	International Journal of Mathematical Archive	vol 8(No 8) (2017), 171-176.	2229-5046	Yes
On Micro-B- Open Sets And Micro-B- Continuous in Micro Topological Spaces	R.Sindhu J.Rajakumari	International Journal for Science and Advance Research in Technology	Vol 6(3), 2020 703-708	2395-1052	-
On Micro-Semi Alpha-Open Sets in Micro Topological Spaces	A.Parvathy J.Rajakumari	International Journal for Science and Advance Research in Technology	Vol 6(3), 2020 562-567	2395-1052	-
On Micro-Regular Open Sets and Micro-Regular Continuous in Micro Topological Spaces	R.Malathi J.Rajakumari	International Journal for Science and Advance Research in Technology	Vol 6(3), 2020 633-637	2395-1052	-
A Study on the Convex Median and Anti-Median Graph with some Graph Operators	T.Selvi J.Rajakumari	Indian Journal of Natural Sciences	12(67), 2021 32446-32450	0976-0997	Yes