## **FACULTY PROFILE**

Name of Teaching Staff / RMK ID	Dr.A.Rajarathinam / T1000			
Designation	Associate Professor	Associate Professor (Gr-II)		
Department	Science and Human	Science and Humanities		
Date of Joining the Institution	07-02-2025			
Qualifications	M.Sc., M.Phil.,	PGDCA		Ph.D.
Total Experience	Overall: 34 Years 5	5 Month	in RMK:	Years Month
Papers Published in Journal	Overall: 84	A	After Joinin	g RMK:
List of Papers Published	Overall: 84After Joining RMK:[1]Rajarathinam, A. (2024), Clustering of CountriesBased on Fertilizer Consumption, Journal of Statistical andEconometric Methods, Vol. 13(1), pp. 57-68. ISSN: 2241-0384(print), 2241-0376(0nline),https://doi.org/10.47260/jsem/1313, Impact factor: 0.11, PeerReviewed.[2]Rajarathinam, A. (2024), Cointegration Modeling forCOVID-19 Infected Cases and Deaths in the US, Journal ofStatistical and Econometric Methods, Vol. 13(1), pp. 41-56.ISSN:2241-0376(Online),2241-0384(Print),https://doi.org/10.47260/jsem/1312, Impact factor: 0.11, PeerReviewed.[3]Rajarathinam A. (2024). Discriminant analysis forheart disease attributes. International Journal of Statistics andAppliedMathematics. 9(2), pp.180-188. DOI:https://doi.org/10.22271/maths.2024.v9.i2c.1703, ISSN: 2456-1452, Peer Reviewed. NAAS (2023): 5.12[4]Rajarathinam A. (2024). Fisher's discriminantmodeling for human platelet parameters. International Journal			

ISSN: 2456-1452, Peer Reviewed. NAAS (2023): 5.12
<ul> <li>[5] Rajarathinam, A. (2023). Panel Regression Modelling for COVID-19 Infections and Deaths in Tamil Nadu, India, Data 2023, 8, 158. https://doi.org/10.3390/data8100158.</li> <li>ISSN: 2456-1452, Journal Rank: JCR - Q2 (Multidisciplinary Sciences) / Cite Score - Q2 (Information Systems and Management). Peer Reviewed. Impact Factor: 2.2 (2023); 5-Year Impact Factor: 2.4 (2023).</li> </ul>
[6] Rajarathinam, A. and Ramji, M. (2023). Discriminant analysis for soil attributes. International Journal of Agricultural and Statistical Sciences. Vol. 19, Sup.1, pp. 921- 931. ISSN: 0976-3392 (Online), 0973-1903 (Print). [Scopus] [ESCI].
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[10] Rajarathinam, A. and Anju, J. B. (2023). ARDL Bound Test Cointegration Modeling For COVID-19 Infected Cases And Deaths. Journal of Statistics Applications & Probability. Vol. 12, No. 2, pp. 689-700. ISSN: 2090-8423 (print), 2090- 8431 (online), Impact factor: 0.96, [Scopus].
[11] Rajarathinam A. and Adhira S.V. (2022). Construction of the Optimal Partial Diallel Cross Plan. International Journal of Agricultural and Statistical Sciences. Vol. 19, No. 1, pp. 329-340. ISSN: 0976-3392 (Online), 0973-1903 (Print). [Scopus] [UGC].
[12] Rajarathinam, A. and Suba, S. S. (2023), Fully Modified Least Squares Modeling of Wheat crop Production, Journal of Statistical and Econometric Methods, Vol. 12(1),

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	pp. 55-69. ISSN: 2241-0376 (Online), 2241-0384 (Print), Impact factor: 0.11, Peer Reviewed.
	[13] Rajarathinam, A. and Anju, J B. (2023), Modeling COVID-19 Infected Cases and Deaths Based on Generalized Method of Moments, Journal of Statistical and Econometric Methods, Vol. 12(1), pp. 01-18. ISSN: 2241-0376 (Online), 2241-0384 (Print), Impact factor: 0.11. Peer Reviewed.
	[14] Rajarathinam A. and Suba S.S. (2022), The Interaction between the Area and Production of Food Grain Crops in India: Empirical Evidence from ARDL Bound Test Cointegration Analysis. International Journal of Agricultural and Statistical Sciences, Vol. 18(2), pp. 487-498. ISSN: 0976- 3392 (Online), 0973-1903 (Print). [Scopus] [UGC].
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	[17] Rajarathinam, A., and Anju, J. B. (2022). Modeling And Monitoring Covid-19 Monthly Infected Cases and Deaths. Applied Mathematics & Information Sciences, Vol.16, No.4, pp.519-527. ISSN: 1935-0090 (print), 2523- 0399 (online) [Scopus]
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<ul> <li>[29] Adhira, S.V., Rajarathinam, A. (2021), Construction of Complete Diallel Crosses Plans. High Technology Letters, Vol. 27(6), pp. 737-749. ISSN: 1006-6748, Impact Factor: 2.7.</li> <li>[Scopus]</li> </ul>

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Statistical Sciences, Vol. 15, No. 2, pp. 829-833. ISSN: 0976- 3392 (Online), 0973-1903 (Print) [Scopus] [UGC].
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Index and Exchange Rates. Research & Reviews: Journal of Statistics., 8(1), pp.12-16, ISSN: 2278-2273, Peer-reviewed.
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	[84] Rajarathinam, A., Venkatessan, D., Mukhopadhyay, S. K., and Bhattacharyya, B. (2003). Forecasting maximum and minimum temperature. Journal of Inderacademicia (India). Vol.7., No. 3, pp. 322-327 JSSN: 0971-9016		
Papers Presented in Conferences	Overall: 17	After Joining RMK:	
Ph.Ds / Projects Guided	Ph.Ds Guided : 15	Student Projects Guided: 25	
	Count :		
	<ul> <li>[1] Rajarathinam A. (2024). Modeling for Soil Parameters Based on Multinomial Logistic Regression. Research Updates in Mathematics and Computer Science Vol. 3, 25–40. <u>https://doi.org/10.9734/bpi/rumcs/v3/9130A</u>. ISBN 978-81-971665-8-7 (Print), 978-81-971665-3-2 (eBook)</li> </ul>		
Books Chapters Published:	[2] Rajarathinam A., and Modeling for Soil Attr Soil Categories and I and Challenges in J January https://doi.org/10.9734	I Ramji M. (2024). Discriminant ibutes: Relationship between Sandy Macronutrients. Research Advances Agricultural Sciences, <i>Vol. 3</i> , 31 2024, 1-21. /bpi/racas/v3/8527A.	
	ISBN 978- 978-81-970008-7-4 (el [3] Rajarathinam, A. (20) Plan and Its Constru <i>Towards Mathematics</i>	-81-970008-8-1 (Print); Book). 24). Optimal Partial Diallel Cross actions. <i>Research and Applications</i> <i>and Computer Science</i> , Vol. 8, 163–	

	186.         https://doi.org/10.9734/bpi/ratmcs/v8/7764A.           ISBN 978-81-969497-0-9         (Print)         ;978-81-969497-5-4           (eBook)         (eBook)         (Print)         (Print)
[4	Rajarathinam, A. (2024). Construction of Partial Diallel Cross Plan and its Operations. <i>Research and Applications</i> <i>Towards Mathematics and Computer Science</i> Vol. 8, 61- 77. <u>https://doi.org/10.9734/bpi/ratmcs/v8/7763A</u> . ISBN : 978-81-969497-0-9(Print); 978-81-969497-5-4 (eBook)
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	(eBook Published (	). Count: Nil	Granted Co	ount: NIL
Patents	List : Nil			
	Count :			
Professional Memberships	List : i. ii. iii.	Indian Society of Ag NEW DELHI Gujarat Statistical University, Ahmedal Association of Ag Agricultural Univers	ricultural S Associa pad, GUJAI ro-Meteoro ity, Anand,	tatistics, IASRI, ation, Gujarat RAT ologists, Anand GUJARAT.
Consultancy Projects Completed	Nil			
Awards Received	<ul> <li>Count :</li> <li>✓ Avishkar Achievers Award (2023) – National Educational Award</li> <li>✓ Adarsh Vidya Saraswati Rashtriya Puraskar Award (2023)</li> </ul>			
Research grants Received	File No. 40-251 / 2011 (SR)	Statistical modeling on production and productivity of Major crops	UGC	Rs.7,48,448/-

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