

Raja Doraisingam Government Arts College

Sivagangai – 630 561

FACULTY PROFILE

Department: **MATHEMATICS**

1. Name : Dr Alexander Chinnasamy
2. Father's Name : V. Chinnasamy
3. Designation : Assistant Professor
4. Age & Date of Birth : 42 & 08.04.1980
5. Gender : Male
6. Address for Communication : 21 C, Sathya Nagar, Thathaneri – Post,
Madurai – 625018.
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7. Educational Qualification :

S. No.	Course	University / College	Year of passing
1	B.Sc.,	Madurai Kamaraj University College	2000
2	M.Sc.,	Madura College	2002
3	M.Phil.,	Madurai Kamaraj University	2003
4	Ph.D.,	Madurai Kamaraj University	2012
5	PGDCA	Madurai Kamaraj University (DDE)	2012

8. Area of Specialization: Mathematical Modelling, Stochastic Inventory Systems, Topology
Queueing Systems.

9. Experience:

S. No.	Name of Organization	From	To	Year of Experience
1	Rajah Serfoji Govt. Arts College(A), Thanajavur	29.07.2015	13.06.2017	2 years
2	Raja Doraisingam Govt. Arts College, Sivagangai	14.06.2017	Till date	5 years

10. Publications:

S. No.	Title	Name of the Journal	ISSN/ISBN	Year
1	An analysis of vehicular traffic using CETD Matrix	Int. Jr. of Applied Eng. Research	ISSN 0973-4562	2019
2	Comparison between M/M/1 and M/D/ queuing models to minimizing waiting time of farmers in regulated market committee	JETIR	ISSN 2349 - 5162	2019
3	Risk factor of breast cancer using CETD matrix : An analysis	Int. Jr. of Applied Eng. Research	ISSN 0973-4562	2019
4	Successful Treatment of Chemotherapy and Radiotherapy for lung cancer using mathematical model	Int. Jr. of Current Research and Modern Education (IJCRME)	ISSN 2455 – 5428 (on line)	2018
5	Another Decomposition of Nano Continuity	Int. Jr. of Research and Analytical Reviews(IJRAR)	ISSN 2349-5138	2019
6	N^*g Closed Sets in Nano Topological Spaces	Journal of Applied Science and Computations	ISSN 1076-5131	2019
7	$nI_{\tilde{g}}$ -closed sets,	Math Lab Journal	ISSN 2582-0389	2019
8	Between nano closed sets and nano generalized closed sets in nano topological spaces	Advances in Mathematics: Scientific Journal	ISSN 1857-8365	2020
9	Contra $nI_{\tilde{g}}$ -continuity,	International Journal of Analytical and Experimental Model Analysis	ISSN 0886-9367.	2020
10	$nI_{*\mu}$ -closed sets,	International Journal of Analytical and Experimental Model Analysis	ISSN 0886-9367.	2020
11	On $nI_{\tilde{g}}$ -Homeomorphism in nano ideal topological space	International Journal of Analytical and Experimental Model Analysis,	ISSN 0886-9367.	2020
12	Decomposition of $n\alpha$ and $n^*\mu_{\alpha}$ -continuity	Asia Mathematika	ISSN 2457-0834	2020

13	Contra $nI_{*\mu}$ -continuity,	Asia Mathematika	ISSN 2457-0834	2020
14	On new classes of some nano closed sets	Math Lab Journal	ISSN 2582-0389	2020
15	On $ng\mu$ -closed sets,	Math Lab Journal	ISSN 2582-0389	2020
16	$I_{\tilde{g}}$ -closed sets in ideal topological spaces	Math Lab Journal,	ISSN 2582-0389	2020
17	$nI_{\tilde{g}}$ -continuous function in nano ideal topological spaces,	International Journal of Multidisciplinary Educational Research		2020
18	On $N\tilde{g}$ -continuous map,	International Journal of All Research Education and Scientific Methods		2020
19	Neutrosophic micro ideal topological structure	International Journal of Mathematics And its Applications,	ISSN No:2347-1557	2021
20	On N_m - α -open sets in neutrosophic minimal structure spaces	Journal of Mathematics and Computational Intelligence,		2021
21	A Discrete time Inventory System with Postponed demands and Infinite Pool,	Indian Association for Productivity, Quality and Reliability(IAPQR)Transactions,		2013
22	An Inventory Systems with Replacement of Deteriorating Items,	Proceedings of Recent Statistical Methods and Applications, Department of Statistics, University of Kerala.		2013
23	A Markovian Inventory System with Retrial and Impatient Customers,	Int. Jr. of Operational Research (IJOR)		2014
24	A Perishable Inventory System with Postponed demands Customers,	Int. Jr of Mathematics, Game Theory and Algebra,	ISSN 1060 -9881	2013

11. Paper Presented in Conference/Seminar :

S. No.	Title	Institution	Date & Year
1	An Inventory Systems with Replacement of Deteriorating Items,	National Conference on Applied Stochastic Methods, School of Mathematics, M K Univeristy	23 & 24.03.2012
2	A Discrete time Inventory System with Retrial Demands,	National Conference on Applied Stochastic Methods, School of Mathematics, Madurai Kamaraj. University,	26 & 27.02.2010
3	A Perishable inventory System with Postponed demand and impatient customers,	Int. Conference on Recent Trends in Applied Stochastic Methods ,School of Maths, Madurai Kamaraj University,	16&18.12.2008,

12. Seminar/ Conference/Workshop attended:

S. No.	Institution	Date & Year
1.	State Level Workshop on Basic Recent Trends in Mathematics, H.H. The Raja's Govt. College (A), Pudhukottai	21.03.2019
2	National Seminar on Disruptive innovation in higher education....social Equality, held at Fatima College, Madurai	30.08.2019
3	Workshop on Financial Mathematics, held at School of Mathematics, Madurai Kamaraj University, Madurai.	27.03. 2013
4	National Seminar on Theoretical Advances in Differential Equation and Applications, held at School of Mathematics, Madurai Kamaraj University.	23.08. 2013
5	National Conference on Applied Stochastic Methods School of Maths, Madurai Kamaraj University.	23 &24. 03. 2012
6	National Conference on Non-linear Analysis and Mathematical Modelling held at School of Mathematics, Madurai Kamaraj University, Madurai.	29 &30.03. 2011
7	Workshop on Application of SPSS, held at Centre for Educational Research , Madurai Kamaraj University, Madurai.	29 &30.09.2010
8	National Conference on Applied Mathematics held at B. S. Abdhur Rahman University, Chennai.	28 &29.01.2010
9	4 th National Statistics Day Summer Training Program on Advanced Stochastic Models and their Applications” held at Sri Venkateswara University, Tirupati,(A.P - State).	29.06.2010 - 04. .07.2010
10	Instructional Workshop on Mathematical Modelling and Simulation, held at Kalasalingam University, Srivilliputhure,	07.07.2010 -

	Tamil Nadu (State).	14.07.2010
11	Workshop on Mathematical Modelling, held at Madurai Kamaraj University, Madurai.	31.03.2008
12	National level Workshop cum Training Program on Stochastic Models and Their Applications during held at Banaras Hindu University, Varanasi - 5, Uttar Pradesh (State).	22 .09.2008 - 04.10. 2008
13	International Conference on Stochastic Modelling, held at Alagappa University, Karaikudi.	12 &14.02. 2009
14	Workshop on LATEX - a Mathematical Document Preparation System, held at School of Mathematics, Madurai Kamaraj University, Madurai .	24.03.2003

13. Details on Research Projects: Nil

Title	Sponsoring Agency	Amount	Responsibility

14. Ph.D., Guidance / Supervisorship:

Name of Scholar	Course	Area of Research	Status
Mrs. Suganthi Mariappan	Ph.D.,	Queuing Systems	Awarded
Mrs. K. Radhika	Ph.D.,	Mathematical Modelling	Awarded

15. Seminar/ Conference /Workshop Organised: Nil

S. No.	Topic	Institution	Date

16. Resource Person:

S. No.	Topic	Delivered at	Period
1	Markov Chain in Stochastic Processes	H.H. The Raja's Govt. College (A), Pudhukottai.	21.03.2019
2	Graph Theory and Its Applications	Senthamarai College of Arts & Sciences, Madurai	28.01.2015

17. Members in Organization's: Life Member in Indian Society for Probability & Statistics(ISPS).

18. Other Achievements:

1. Attended one day discourse on preparing the institution for accreditation in the post pandemic period held on 30.04.2022 at M.T.N College (Aut.), Madurai - 04.
2. Attended two days in service training program in mathematical science held on 05 & 06 march 2022 at Sri Meenakshi Govt. Arts College (Aut.) Madurai- 02
3. Received Research fellowship in Science for Meritorious Students from University Grants Commission (U.G.C) for pursuing Ph.D., Programme.
4. Reviewer of “ South East Asian Journal of Mathematics and Mathematical Sciences” and “ Mathematical Journal of Interdisciplinary Sciences “(2017).
5. Cleared Account Test for Executive officers (Departmental Exam) conducted TNPSC on March 2017(Reg. No.019389).
6. Participated 119th Orientation Course from 02.11.2016 to 29.11.2016 held at Pondicherry University, Puducherry and Refresher Course from 13.02.2019 to 05.03.2019 held at Bharathiar University, Coimbatore.
7. Acted as external examiner for the April 2022 Practical Examinations of Dept. of Maths, held on 23.05.2022, Hajee Karutha Rowther Howdia College, Uthamapalayam, Theni.
8. Guided: 15 M.Phil., Scholars and 05 PG Students

(C. Alexander)