

FACULTY PROFILE

- 1 Name** : Dr.G.Ayyappan
2 Designation : Assistant Professor
3 DateofBirth : 19.03.1982
4 Gender : Male
5 AddressforCommunication : Department of Mathematics,
 Government Arts and Science College,
 Pappireddipatti- 636905
Mobile : 9865845415
EmailID : ayyapmath@gmail.com
6 EmployeeCode : 20021202506
7 DateofJoining
Private :28.06.2006
Government :03.08.2009
Dateofjoininginthisinstitution :18.05.2015
Dateofretirement :31.03.2042
8 TotalYearsofExperience(CollegiateServiceonly)
 Years: 16,Months: 2,Days: _____

Sl.No.	NameoftheInstitution	Duration		Experi YY-MM
		From	To	
1	Government Arts and Science College, (Periyar University Collegeof Arts and Science upto 15.9.2022) Pappireddipatti –636905	18.05.2015	Till date	7 Years 11
2	Periyar University Collegeof Arts and Science Mettur – 636 401	03.08.2009	15.05.2015	5 Years 9 M
3	Muthayammal Engineering College, Rasipuram, Namakkal Dt.	02.06.2008	01.08.2009	1 Years 2 M
4	Sri Ganesh College of Arts & Science, Salem – 14	28.6.2006 26.8.2007	04.02.2007 12.04.2008	1 Year 4 M
Total				16 Years 2 Months

9 EducationalQualification :

S.No.	Course	NameoftheBoard/University	YearofPassing	Rank/Classes
1	B.Sc., Mathematics	Govt. Arts College, Salem. (Periyar University, Salem)	2002	I Class
2	M.Sc. Mathematics	Kandaswami Kandar's College, P.Velur, Namakkal Dt. (Periyar University, Salem)	2004	I Class

3	M.Phil. Mathematics	Kandaswami Kandar's College, P.Velur, Namakkal Dt. (Periyar University, Salem)	2005	I Class
4	B.Ed. Mathematics	Sri Ganesh College of Education, Salem, (Periyar University, Salem)	2007	II Class
5	Ph.D. Mathematics	Kandaswami Kandar's College, P.Velur, Namakkal Dt. (Periyar University, Salem)	2013	Highly Commended

10 Orientation Course attended : Bharathidasan University,
Tiruchiappalli from 23rd August -19th September 2017.

11 Refresher Courses attended : 1. Bharathiar University
Coimbatore, 13th Feb-5th Mar'2019.
2. Ramanujan College, University of Delhi, 15th-29th Dec'2021.

12 Short Term Courses Details :

1.	Attended two weeks online workshop on " Comprehensive e-learning to e-Training guide for Administrative work " organized by Teaching Learning Center, Ramanujan College, University of Delhi, from 25 th May to 05 th June 2020.
2.	Attended "Orientation Training for NSS Programme officers" held at Avinshilingam University, Coimbatore on August 5-11, 2014.
3.	Attended "Training of Trainer Teachers for Increasing the Employability of Students 2013-2014" held at Periyar Univeristy, Salem on October 3-4, 2013.
4.	Attended TNSCST Sponsored Orientation Programme on "Research Activities in Science for College Teachers" held at Periyar Univeristy, Salem on March 26&27, 2012.

13 No. of Papers presented in Conference : **9**

List of Papers Presented

1.	“Classification of solutions of second order neutral delay difference equations with maxima” – Inter “Recent Advances in Analysis and its Applications” held at Vivekanandha College for Women , Tiru 30 & 31, 2017.
2.	“Oscillation Solutions of Third Order Delay Differential Equations” - State level conference on “Wide its Applications” held at Government Arts College of Women, Salem on October 21 st 2016.
3.	“Existence of Nonoscillatory Solutions of First Order Neutral Difference Equation” - NBHM sponsore on “Mathematics Analysis and its Applications” held at Vysya College, Salem on December 22 nd & 2
4.	“Oscillation Criteria of Third Order Nonlinear Neutral Difference Equations” - UGC sponsored N “Computational and Applied Mathematics” held at Erode Arts and Science College, Erode on Febr
5.	“Oscillation Criteria of Third Order Nonlinear Neutral Difference Equations” - National Seminar Mathematics and its Applications” held at Vysya College, Salem on February 22, 2014.
6.	“Oscillatory Behavior of Solutions of Second Order Neutral Difference Equations” - 17 th R “Mathematical Analysis and Applications” held at RIAS in Mathematics, University of Madras, Cl 31, 2012.
7.	“Oscillatory Behavior of Solutions of Second Order Neutral Differential Equations” - UGC sponsored “Recent Developments in Mathematics and its Application” held at Kandaswami Kandar’s College 2012.
8.	“Multiple Solutions of Nth Order Fuzzy Differential Equations under Generalized Differentiability” - National seminar on “Recent Advances in Differential Equations and its Applications” held at Kanda College, Velur on February 10&11, 2011.
9.	“Oscillatory Properties of Second Order Mixed Type Difference Equations” - UGC sponsored Nation Advances in Analysis and Application” held at Kandaswami Kandar’s College, Velur on August 22

**14 No. of papers published in journals :2
9**

List of Papers Published:

1.	T.Gopal, G.Ayyappan and E.Thandapani, Oscillation and asymptotic behavior third- difference equations with positive and negative terms, International Journal of Non Applications, 14(1)(2023), 2519-2527.
2.	G.Ayyappan , G.E.Chatzarakis, T.Kumar and E.Thandapani, Oscillatory properties of noncanonical nonlinear delay difference equations, Mathematica Bohemica, 148(1)(2023)
3.	T.Gopal, G.Ayyappan , J.R.Graef and E.Thandapani, Oscillatory and asymptotic behavior order quasi-linear neutral difference equations, Mathematica Slovaca, 72(2)(2022), 411-4
4.	G.Nithyakala and G.Ayyappan , Oscillation theorems for second order nonlinear diffe advanced superlinear neutral terms, The Journal of Analysis, 30(2022), 1475-1484.
5.	G.Ayyappan , G.E.Chatzarakis, T.Kumar and E.Thandapani, Oscillation criteria for t difference equations with an unbounded sublinear neutral term, Electronic Journal of M and Applications, Vol. 10(2)(2022), 156-169.
6.	T.Kumar, G.Ayyappan , J.R.Graef and E.Thandapani, Altered oscillation criteria for se

	neutral delay difference equations of non-canonical type, Pan American Mathematical Journal, 31(2)(2021), 1-14.
7.	G.Ayyappan , G.E.Chatzarakis, T.Gopal and E.Thandapani, Oscillation criteria of third order delay difference equations with noncanonical operators, Applicable Analysis and Discrete Mathematics, 15(2021), 413-425.
8.	G.Ayyappan , G.E.Chatzarakis, T.Gopal and E.Thandapani, On the oscillation of third-order delay difference equations with unbounded neutral term, Nonlinear Studies, 27(4)(2020), 1105-1115.
9.	T.Gopal, G.Ayyappan and R.Arul, Some new oscillation criteria of third-order half-linear delay difference equations, Malaya Journal of Matematik, 8(3)(2020), 1301-1035.
10.	K.Alagesan, S.Jaikumar and G.Ayyappan , Some new oscillation criteria for fourth order delay difference equations, Abstract and Applied Analysis, Volume 2020, Article ID 1653081, 7 pages.
11.	S.Jaikumar, K.Alagesan and G.Ayyappan , New oscillation criteria for fourth order delay difference equations with damping, Malaya Journal of Matematik, 8(3)(2020), 838-844.
12.	G.Nithyakala and G.Ayyappan , Oscillation criteria for second order advanced type nonlinear delay difference equations, Advances in Mathematics: Scientific Journal, 9(5)(2020), 3099-3110.
13.	G.Nithyakala, G.Ayyappan and R.Arul, Oscillation Criteria for Second Order Difference Equations with positive Sub-linear Neutral Term, Far East Journal of Mathematical Sciences(FJMS), 122(2)(2020), 1-10.
14.	T.Kumar and G.Ayyappan , An Oscillation criterion for first order difference equations, Journal of Mathematics Review, 2020.
15.	S.Jaikumar, K.Alagesan and G.Ayyappan , Oscillation of nonlinear third order delay difference equations with unbounded neutral coefficients, Journal of Information and Computational Sciences, 9(11)(2020), 1-10.
16.	G.Ayyappan and G.Nithyakala, Oscillation of second order nonlinear difference equations with neutral term, Malaya Journal of Matematik, 7(3)(2019), 366-370.
17.	G.Ayyappan and G.Nithyakala, Some oscillation results for even order delay difference equations with sublinear neutral term, Abstract and Applied Analysis, Volume 2018, Article ID 2590158, 1-10.
18.	G.Ayyappan , P.Gayathri and V.Mahadevan, Oscillation of third order quasilinear advanced type delay difference equations with “maxima”, International Journal of Mathematics and its Applications, 6(3)(2018), 23-30.
19.	G.Ayyappan , Oscillation of third order nonlinear differential equations with “maxima”, Journal of Science, 8(1)(2018), 80-86.
20.	R.Arul, A.Ashok and G.Ayyappan , Oscillatory and asymptotic behavior of third order nonlinear differential equations with “maxima”, J. Advances in Math. 13(3)(2017), 7219-7229.
21.	R.Arul, K.Alagesan and G.Ayyappan , Oscillatory behavior of even order quasilinear delay difference equations, Journal of Progressive Research in Mathematics, 5(5)(2015), 647-655.

22.	R.Arul, K.Alagesan and G.Ayyappan , Existence of nonoscillatory solutions of first order neutral difference equations, Journal of Advances in Mathematics, 11(5)(2015), 5230-5237.
23.	G.Ayyappan , Oscillation criteria of third order nonlinear neutral difference equations, Malay Journal of Mathematics, 3(2)(2015), 216-223.
24.	R.Arul, M.Angayarkanni and G.Ayyappan , Oscillation theorems of second order quasilinear neutral difference equations with “maxima”, Far East Journal of Applied Mathematics, 89(3)(2015), 179-197.
25.	G.Ayyappan , Oscillation solutions to third order half linear neutral difference equations with “maxima”, Journal of Differential and Difference Equations, 5(1)(2014), 41-50.
26.	R.Arul and G.Ayyappan , Some oscillation results for first order nonlinear neutral difference equations, Journal of Mathematical Sciences, 4(1)(2013), 1-9.
27.	R.Arul and G.Ayyappan , Oscillation criteria for third order neutral difference equations with delay, Journal of Matematik, 2(1), 2013, 1-10.
28.	R.Arul and G.Ayyappan , Oscillation theorems for second order neutral delay and advanced differential equations, International Journal of Differential Equations and Applications, 12(1)(2013), 13-25.
29.	R.Arul and G.Ayyappan , Oscillation theorems for second order neutral difference equations, Journal of Mathematical Sciences, 71(1), (2012), 67-75.

15 List of other Publications (BOOKS) :1

1.	E.Thandapani R.Arul and G.Ayyappan , Oscillation Theory of Second Order Differential Equations, LAP Lambert Academic Publishing, Republic of Moldova, 2017.
----	--

16. Research Experience (Area of Specialization): Difference and Differential Equations, Years 15. No. of scholars guided/guiding:

Degree	Guided	Awaiting Viva-Voce	Guiding
Ph.D.	1	1	1
M.Phil	--	--	--
M.Sc	15	--	--

Adjudication of Ph.D., Theses:

Sl.No.	Name of Scholar	Name of the College	Name of the Supervisor	Date

Number of Ph.D., Scholars Awarded: 01

Sl.No.	Name of Scholar	Title of the Thesis
1.	G.Nithyakala	Oscillatory behavior of second and even order difference equations with nonlinear neutral terms

Number of Ph.D., Scholars Awaiting Public Viva-

Voce Examination: 01 Number of Ph.D., Pursuant

: 01

19 Any research projects funded : Tamilnadu State Council for Higher Education Minor Research **of Third Order Delay Differential Equations”** – 2015-2016.(D

20 Have you availed any faculty improvement Programme : **Yes**

1.	Attended five days Faculty Development Program 03.02.2023 held at Periyar University, Salem.
2.	Attended two days “In-Service Teacher Training Program” State Council for Higher Education held at Govt. Arts College, Salem.
3.	Attended two weeks Faculty Development Program organized by Teaching Learning Center, Ramanujan College, Salem.
4.	Attended two weeks Faculty Development Program organized by Teaching Learning Center, Ramanujan College, Salem.
5.	Attended a Two days “ Faculty Training Program ” Vysya College, Salem on 16 th and 17 th November 2010.
6.	Attended three days Faculty Development Program on 8 th , 9 th and 10 th 2016.
7.	Attended “Faculty and Placement Officers Training Program” at Dr.M.G.R.College, Hosur from 9-11 October 2010.

21 Are you an editorial board member in any reputed journal : **Yes**

22 Have you served as a Resource person/Chairman of a session/Board of Studies : **Yes**

1.	Delivered a special address on State level seminar on “ Emerging Trends in Science and Technology ” held at Jayarani Arts and Science College for Women, Salem on February 27 th 2023.
2.	Delivered a special address on State level seminar on “ Recent Mathematical Teaching and its Applications ” held at Laximinarayana Arts and Science College for women, Dharmapuri on January 30 th 2019.
3.	Delivered a special address on “ State Level inter Collegiate Maths Competition ” held at Sri Vijay Vidyalaya College of Arts and Science, Dharmapuri on September 12 th 2018.
4.	Delivered a special address in “ Numbers and its Properties ” in Math Integral Fest-2018 held at Sri Venkateshwara Arts and Science College, Dharmapuri on January 10 th

	2018.
5.	Delivered a talk in the State Level Seminar on “Algebraic Structure and Universal Numbers” held at Department of Mathematics, Sakthikailash Women’s College, Dharmapuri on February 4 th 2017.
6.	Delivered a Special Lecture on “An Outlook an Universal Numbers” in Mathematics Association Program held at Department of Mathematics, PMP Arts and Science College, Dharmapuri on September 20 th 2016.
7.	Delivered the keynote address for the State Seminar on “Recent Developments in Mathematical Models” held at Department of Mathematics, Don Bosco College, Dharmapuri on September 2 nd 2016.
8.	Delivered an invited talk in National Level Conference on “Current Development in Pure and Applied Mathematics” held at Department of Mathematics, Sri PSG Arts and Science College for Women, Sankari, Salem Dt. on March 4 th 2016.
9.	Delivered a special address on “Ramanujan and his Contribution to Mathematics” in Ramanujan’s Day Programme held at Department of Mathematics, Kailash Women’s College, Nangavalli, Salem, on December 22 nd 2015.
10.	Delivered a Special Lecture on “Differential Equations and its Applications” in Mathematics workshop on Global Mathematics and its Applications held at Sri Sarada Niketan College of Arts and Science for Women, Salem on 24 th September 2014.

Member/servedasanExternalforPh.D/M.Phil/M.Sc.,Viva

S.No.	Date	Institution	
1	Jan 2020	Sri Saradha College for Women, Salem	M.Phil.,
2	Jan 2020	Sri Ganesh College of Arts and Science, Salem	M.Phil.,
3	July 2021	Sri Vijay Vidyalaya College of Arts and Science, Dharmapuri	M.Phil.,
4	July 2021	Sri Ganesh College of Arts and Science, Salem	M.Phil.,
5	July 2021	Salem Sowdewari College, Salem	M.Phil.,
6	Jan 2022	Sri Ganesh College of Arts and Science, Salem	M.Phil.,
7	Nov 2022	Sri Vijay Vidyalaya College of Arts and Science, Dharmapuri	M.Phil.,
8	Nov 2022	Sri Ganesh College of Arts and Science, Salem	M.Phil.,

**MemberofDoctoralCommittee
Doctoral Committee External Member and Subject Expert (Ph.D):**

S.No.	Name of the Candidate	Institution
1.	P.Palani	Kandaswami Kandar's College, Namakkal
2.	S.Jaikumar	Kandaswami Kandar's College, Namakkal
3.	A.Charles Sagayaraj	Kandaswami Kandar's College, Namakkal
4.	R.Nagarajan	Kandaswami Kandar's College, Namakkal
5.	A.Malarselvi	Periyar University, Salem
6.	C.Sindhuja	Periyar University, Salem
7.	R.Mohanapriya	Periyar University, Salem
8.	S.Yasotha	Kandaswami Kandar's College, Namakkal
9.	V.Padmavathi	Kandaswami Kandar's College, Namakkal
10.	A.Noorsaba	Kandaswami Kandar's College, Namakkal

23. Awards/recognition if any:**Awards/Rewards Received by Teachers from Government/Statutory Body**

Sl. No.	Name of the Faculty	Award Received Details	Organisation Name	Date of Receiving the Award
1	Nil			

24. Positions held (Coordinator): NCC/NSS/RRC/YRC:

1. NSS Programme Officer (2018-2021)- Periyar University College of Arts and Science, Pappireddipatti.
2. NSS Programme Officer (2014-2015)- Periyar University College of Arts and Science, Mettur Dam.
3. Citizen Consumer Coordinator (2011-2015)- Periyar University College of Arts and Science, Mettur Dam.

25. Conferences/Workshops organized:

Sl.No	Event	
1	Seminar on Applications of Mathematical Modeling at Periyar University College of Arts and Science, Pappireddipatty - 636 905	2020
2	Workshop on Analysis and its Applications at Periyar University College of Arts and Science, Pappireddipatty - 636 905	2015

26	Faculty Recharging Programme Attended	:	17
27	Deputation undertaken if any	:	No
28	Any other programmes attended for the betterment of teaching and research	:	
30	Any other innovative teaching strategy	:	

Any other information :

31. Address for Reference:

1. Dr. E. Thandapani
Ph.D.
Hon. Visiting

**Professor
Ramanujan Institute
for Advanced Study in
Mathematics
University of Madras,
Chennai – 600 005.**

**2. Dr.V.Anbarasi, Ph.D.
Principal
Govt. Arts and
Science College
Pappireddipatti –
636 905.**

Place:

Date:

Signature