



**ALAGAPPA GOVERNMENT ARTS COLLEGE**  
(NAAC REACCREDITION AT LEVEL B)  
KARAIKUDI – 630 003, TAMILNADU, INDIA.



## FACULTY PROFILE

### Personal Details

Name	:	Dr. A. P. Dhana Balan
Father's / Husband's Name	:	Mr. A. Ponnian
Designation	:	Assistant Professor & Head
Date of Birth	:	15.06.1964
Sex	:	Male
Nativity	:	Indian
Marital Status	:	Married
Address for Communication	:	
Official	:	Department of Mathematics, Alagappa Government Arts College, Karaikudi - 630 003.
Residential	:	8, Valluvar Salai, Near Adithya Eye Hosiptal, Thilagar Nagar, Karaikudi - 630 002
Phone No	:	94882 90720
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<b>Academic Qualification</b>	:	<b>M.Sc., M.Phil., B.Ed., Ph.D.,</b>
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**Teaching Experience** : **21 Yrs**

**Research Experience** : **12 Yrs**

**Additional Responsibilities** :

- Head, Department of Mathematics
- Member of Anti-Ragging committee
- Member of PWD committee
- Member of Rusa Affairs Committee

**Research Area** :

- Topology

**Research Supervision/Guidance**

Programme of Study		Completed	Ongoing
Research	Ph.D.	-	06
	M. Phil.	13	-

**Publications**

International		National		Others
Journals	Conferences	Journals	Conferences	Book/Chapter/Monographs
32	1	15	-	-

**Events Organised in leading roles**

**Number of Seminars / Conferences / Workshops / Events organized: 01**

## Events participated

**Number of Seminars / Conferences / Workshops: : 07**

1. Youth and Future : Science and Technology Dimensions, held at Alagappa University from March 16-17, 1990.
2. Training the Trainers, held at Noor Islam College of Engineering, Thuckalay from July 16-17, 1999.
3. Group discussion on Graph theory held at Vivekananda college Kanyakumarai on May 25, 2005.
4. Faculty Development Programme on Soft Skills held at Honeywell, Madurai from September 8 - 16, 2008.
5. State Level Seminar on Coding Theory held at SA College, Pallathur on March 04, 2009.
6. National Seminar on Differential Equations held at Alagappa University, Karaikudi, from March 6 - 7, 2009.
7. National Conference held at Alagappa University on December 22, 2010.

## Membership in

### Academic Bodies

- Member of the Board of Studies in M. Phil Mathematics of affiliated colleges of Alagappa University for a period of three years (2014-2017).
- Member of the Board of Studies in M. Phil Mathematics of affiliated colleges of Alagappa University for a period of three years (2017-2020).

## Resource person in various capacities

**Number of Invited / Special Lectures delivered: 04**

## Others

**No. of PhD Thesis evaluated: 01**

## Recent Publications

1.  $\mu$ - $\sigma$  Pre-open Equivalent Generalized Topological Spaces, Asian. Jou. of. Curr.

- Engg. and Maths., 3(1), 5- 7, 2014.
2. On M-irresolute and M-totally Clopen continuous functions (jointly with R. Buvaneswari), Asian. Jou. of. Curr. Engg. and Maths, 2:(6), 357-358, 2013.
  3. Faintly  $\mu$ - $\sigma$ . Pre- $\theta$  (Semi- $\theta$ ) continuous functions (jointly with G. Amutha) Asian. Jou. of. Curr. Engg. and Maths,3 (2), 12 - 14, 2014.
  4.  $\mu$ -Continuous functions on generalized topology and certain Allied structures, Math.Sci.Int. Res. Jou.,3 (1) , 180 -183,2014.
  5. On generalized e-closed sets and e-continuous functions (jointly with C.Santhi), Asian Jou. of Curr. Engg. and Maths, 3:(2), 29-32, 2014.
  6. On  $m_x$ - Almost irresolute functions, (jointly with R.Buvaneswari), Acta Ciencia Indica., vol 3. 341. 2014.
  7. Some Faintly continuous functions on Generalized topology (jointly with G. Amutha and C.Santhi), Math. Jou. of inter disci. Sci., 15-22, 3(1), 2014.
  8. Generalized p-regular closed space and  $\beta$ -continuous functions on generalized topology, (jointly with C.Santhi), Acta Ciencia Indica, 575-580, 4, 2014.
  9. Almost irresolute functions via generalized topology, (jointly with RM. Sivagama Sundari) Math. Jou. of inter disci. Sci., 3(2) 1- 8 2015.
  10. Soft feebly separation spaces and soft feebly continuous functions, (jointly with C. Santhi, RM. Sivagama Sundari), Math. Sci. Int. Res. Jou. 575-577, 3(2), 2014.
  11. Soft p-sets and soft optimally continuous functions,(jointly with RM.Sivagama Sundari, C.Santhi), Math. Sci. Int. Res. Jou. 542-545, 3(2), 2014.
  12. Totally feebly continuous functions, (jointly with R.Buvaneswari), Math. Sci. Int. Res. Jou. 584-586, 3(2), 2014.
  13. Recent progress in the theory of Moscow Spaces,(jointly with RM.Sivagama Sundari), Math. Sci. Int. Res. Jou. 597-600, 3(2), 2014.
  14. On soft feebly continuous function, (jointly with R.Buvaneswari), Int. Jou. Math.Com. Res. 723-728, 2(2), 2014.
  15. Door spaces on generalized topology, (jointly with RM. Sivagama Sundari), Inter. Jour. of compu.sci. and math., 69-75, 6(1), 2014.
  16. Strongly  $\mu$ -s regular spaces on generalized topology, (jointly with RM.Sivagama

- Sundari), *paripex indi. Jour. of resea.*, 4(3), 2015.
17. On almost feebly totally continuous functions in topological spaces, *Inte. Jour. of com. Sci. and infor. Tech.*, 3(1), 274-279, 2015.
  18. Almost regular spaces in generalized topology, (jointly with G. Amutha), *math. Sci. inter. resea. Jour.* 4 (1) 237-242, 2015.
  19. Super  $\delta(\delta g)^*$ - $e$ -closed sets and Super  $\delta(\delta g)^*$ - $e$ -continuous functions, (jointly with C. Santhi), *Inter. jour. for resear. in math and math. Sci.* 2(1),1-6, 2016.
  20. On Biclop-na-continuous functions in general topology, (jointly with R.Buveneswari ), *Inter. jour. for resear. in math and math. Sci.* 2(2), 46 -51, 2016.
  21. Zc-open sets and Zs-open sets in topological spaces, (jointly with RM.Sivagama Sundari-first author),*Inter. Jour. of sci. resea.*, 5(3),153-160., 2016.
  22. Feebly regular interior point, feebly regular exterior point and feebly regular frontier point in topological spaces., (jointly with R. Buveneswari), *Indian jour. of resea. Paripex-* 5(2),274-283, 2016.
  23. A class of separation axioms in generalized topology, (jointly with C.Santhi),*Math. jou of int disci sci.*, 4(2) 151 - 159 , March 2016 .
  24. A generalized topological view of Nearly  $\mu$ -Lindelof and Nearly  $\mu$ -paraLindelof spaces, (jointly with C.Santhi), *Global jou. Of Theoretical and Appli. Mathematical Sci.* 6(1) 1-12, 2016.
  25. Generalized topologies related to notion of N-closed sets and N-continuous functions, (jointly with C.Santhi), (Communicated).
  26. On feebly regular set-connected function and quasi ultra feebly regular open map in topological space (jointly with R.Buveneswari- first author ) , *Indian Streams Research Journal*, 6(5) 1 - 8 ,2016.
  27. ZC-Continuous functions in Topological spaces, (jointly with RM. Sivagama Sundari) *Global jou. of theoretical and appli. Math. Sci.* 6( 1), 95 - 101, 2016.
  28. On ZC -Separation axioms and g- ZC-closed ,ZC-g -closed sets ( jointly with RM . SivagamaSundari *Indian Stream Res. Jou.* ,6 (8 ) 1 - 7, 2016.
  29. On Moscow Spaces ,*Global Jou. of Theoretical and Applied Mathematics Sciences* , (jointly with P. Padma ) 7 (1 ) 29 - 35 , 2017.

30. Separation Spaces in Generalized Topology , Int jou.of Mathematics Reserch (jointly with P. Padma), 9 (1) , 67 -76, 2017.
31. 45.Some new functions in soft topological space ,( jointly with R.Buveneswari ) Int. jou. of Engg Research and Technology 6(5), 437 - 439, 2017 .
32. Soft feebly regular connected set in soft topological space (jointly with R. Buveneswari ) Int. jou. of Mathematical Analysis , 11 (11 ) 503 - 509 , 2017.
33. Functions of nearly  $\mu$  Para Lindelof spaces, (jointly with P. Padma ) communicated to Acta Ciencia Indica.