

**Name** : Dr. P. ARISTOTLE  
**Qualification** : M.Sc., M.Phil., Ph.D.  
**Designation** : ASSISTANT PROFESSOR  
**Department** : MATHEMATICS  
**Date of Joining** : 02 – 07 - 2019  
**Phone No** : 9751722617  
**Email** : [aristotle90@gmail.com](mailto:aristotle90@gmail.com)  
[aristotle@americancollege.edu.in](mailto:aristotle@americancollege.edu.in)



**EDUCATIONAL QUALIFICATION:**

Degree	Subject	College / University & Place	Year Completed
Ph.D.	MATHEMATICS	ALAGAPPA UNIVERSITY, KARAIKUDI.	2019
M.PHIL.	MATHEMATICS	THIAGARAJAR COLLEGE, MADURAI.	2013
M.Sc.	MATHEMATICS	THIAGARAJAR COLLEGE, MADURAI.	2012
B.Sc.	MATHEMATICS	THIAGARAJAR COLLEGE, MADURAI.	2010

**Specialisation in Teaching:** GRAPH THEORY, ALGEBRA, PROGRAMMING IN C AND C++, NUMERICAL METHODS

**Specialisation in Research:** GRAPH THEORY

**Research Interests:** DOMINATION AND COLORING IN GRAPHS

**Other Work Experience:**

Designation	Institution / Company	Year - From (month/year) To (month/year)
ASSISTANT PROFESSOR	SENTHAMARAI COLLEGE OF ARTS AND SCIENCE, MADURAI.	JUNE 2013 TO JANUARY 2014
ASSISTANT PROFESSOR	SACS MAVMM ENGINEERING COLLEGE, MADURAI.	JULY 2018 TO JUNE 2019

**Administrative /Academic Position/s (held / currently holding):**

Positions held / currently holding	Year - From (month/year) To month/year)
PG AUTONOMY COORDINATOR	JUNE 2020 TO MAY 2021
UG PRESIDENT	JUNE 2021 TO MAY 2022
PG PRESIDENT	JUNE 2022 TO MAY 2023

**PUBLICATIONS: 18**

## ARTICLES PUBLISHED IN INTERNATIONAL JOURNALS:

- S. Balamurugan, **P. Aristotle** and V. Swaminathan, *Neighbourhood Chromatic Domatic Partition in Graphs*, International Journal of Mathematics Trends and Technology, Special Issue, pp. 72 – 81, 2016.
- V. Praba, **P. Aristotle** and V. Swaminathan, *Colorful total domination with respect to color class domination partition*, International Journal of Mathematical Archive, Vol. 8 (9), pp. 36 – 38, 2017.
- S. Hemalathaa, A. Subramanian, **P. Aristotle** and V. Swaminathan, *Isolate Vertex Resolving Partition in a Graph*, International Journal of Latest Engineering and Management Research, Vol. 2 (8), pp. 1 – 3, August 2017.
- V. Praba, **P. Aristotle** and V. Swaminathan, *Semi-Strong Sets in a Graph*, International Journal of Latest Engineering and Management Research, Vol. 2 (8), pp. 22 – 24, 2017.
- **P. Aristotle**, S. Balamurugan and V. Swaminathan, *Graphical Equations on Neighbourhood Chromatic Domination*, International Journal of Mathematics Trends and Technology, Vol. 54 (3), pp. 253 – 261, February 2018.
- S. Balamurugan, **P. Aristotle** and V. Swaminathan, *On Graphs whose dom-chromatic and Chromatic strong domination number is upto Four*, International Journal of Pure and Applied Mathematics, Vol. 119 (15), pp. 61 – 68, 2018.
- S. Balamurugan, **P. Aristotle**, V. Swaminathan and G. Prabakaran, *On Graphs whose Neighbourhood Chromatic Domination Number is Two*, International Journal of Pure and Applied Mathematics, Vol. 119 (15), pp. 213 – 224, 2018.
- S. Balamurugan, **P. Aristotle** and V. Swaminathan, *Relationship between the Family of Neighbourhood Chromatic Dominating Sets and Dom-chromatic Sets in Certain classes of Graphs*, International Journal of Pure and Applied Mathematics, Vol. 119 (15), pp. 667 – 674, 2018.
- S. Balamurugan, **P. Aristotle** and V. Swaminathan, *On Neighbourhood Chromatic Domination in Graphs*, International Journal of Pure and Applied Mathematics, Vol. 119 (16), pp. 2033 – 2044, 2018.
- **P. Aristotle**, S. Balamurugan and V. Swaminathan, *Graphical Equations with Neighbourhood Chromatic Domination Number and Chromatic Number*, International Journal of Pure and Applied Mathematics, Vol. 120 (6), pp. 7631 – 7640, 2018.
- S. Hemalathaa, A. Subramanian, **P. Aristotle** and V. Swaminathan, *A Generalization of Independent Resolving Partition of a Graph*, International Journal of Current Advanced Research, Vol. 7 (2), pp. 10165 – 10171, February 2018.
- S. Hemalathaa, A. Subramanian, **P. Aristotle** and V. Swaminathan, *Equivalence Resolving Partition of a Graph*, International Journal of Latest Engineering and Management Research, Vol. 3 (6), pp. 49 – 54, 2018.

- V. Praba, **P. Aristotle** and V. Swaminathan, *Chromatic Resolving Dominator (Color Class Domination) Partition of a Graph*, Mathematical Sciences International Research Journal, Vol. 7 (1), pp. 34 – 45, 2018.
- V. Praba, V. Swaminathan and **P. Aristotle**, *Color Class Domination and Colorful Domination*, International Journal of Pure and Applied Mathematics, Vol. 120 (4), pp. 623 – 638, 2018.
- **P. Aristotle**, S. Balamurugan, P. Selva Lakshmi and V. Swaminathan, *Chromatic Weak Domatic Partition in Graphs*, TWMS Journal of Applied and Engineering Mathematics, Vol. 9 (2), pp. 279 – 286, 2019.
- **P. Aristotle**, S. Balamurugan and V. Swaminathan, *Computational Complexity of Some Domination Parameters*, Journal of Applied Science and Computations, Vol. 6 (4), pp. 1652 – 1658, April 2019.
- S. Balamurugan, M. Anitha, **P. Aristotle** and C. Karnan, *A Note on open support of a Graph under Addition I*, International Journal of Mathematics Trends and Technology, Vol. 65 (5), pp. 110 – 114, May 2019.
- S. Balamurugan, M. Anitha, **P. Aristotle** and C. Karnan, *A Note on open support of a Graph under Addition II*, International Journal of Mathematics Trends and Technology, Vol. 65 (5), pp. 115 – 119, May 2019.

#### CONFERENCE / SEMINAR / WORKSHOP / FDP:

S. No.	Name of the Seminar / Conference / Workshop / FDP	Name of the Institution conducted	From – To (mention date)	Organised/Participate / Paper Presented/Acted as Resource Person
1	National Conference on Recent Development in Mathematics and its Applications	The Madura College, Madurai	Jan 9, 2015	<i>Paper Presented</i>
2	National Conference on Recent Developments on Emerging Fields in Pure and Applied Mathematics	Thiagarajar College, Madurai	Mar 12 – 13, 2015	<i>Paper Presented</i>
3	International Conference on Graph Theory and its Applications	Pondicherry University, Puducherry	July 15 – 16, 2015	<i>Paper Presented</i>
4	Three-day National Conference on Recent Developments in Coloring, Domination and Distinguishing Codes in Graphs	Government Arts College, Melur, Madurai	Aug 06 – 08, 2015	<i>Paper Presented</i>
5	International Conference on Discrete Mathematics and Graph Theory Day XII	Siddaganga Institute of Technology, Tumakuru, Karnataka	June 09 – 11, 2016	<i>Paper Presented</i>

<b>S. No.</b>	<b>Name of the Seminar / Conference / Workshop / FDP</b>	<b>Name of the Institution conducted</b>	<b>From – To (mention date)</b>	<b>Organised/Participate / Paper Presented/Acted as Resource Person</b>
6	International Conference on Mathematical Modeling and Computational Methods in Science and Engineering	Alagappa University, Karaikudi	Feb 20 – 22, 2017	<i>Paper Presented</i>
7	Three-day National Conference on Recent Developments in Coloring, Domination and Distinguishing Codes in Graphs	Thiagarajar College of Engineering, Madurai	Feb 23 – 24, 2017	<i>Paper Presented</i>
8	International Conference on Algebra and Discrete Mathematics	Madurai Kamaraj University, Madurai	Jan 08 – 10, 2018	<i>Paper Presented</i>
9	National Level Workshop on Semigraphs and Generalized Graph Structures	V. V. Vanniaperumal College for Women, Virudhunagar	Oct 30 – Nov 02, 2018	<i>Paper Presented</i>
10	International Conference on Discrete and Computational Mathematics (ICDM - 18)	Alagappa University, Karaikudi	Dec 20 – 21, 2018	<i>Paper Presented</i>
11	Virtual International Conference on Innovation in Interdisciplinary Research 2020	Kalasalingam Academy of Research and Education, Krishnankoil	June 23 – 24, 2020	<i>Paper Presented</i>
12	22 <sup>nd</sup> FAI International Conference on Mathematical, Computational Intelligence and Engineering Approaches ICMCIE 2020	The American College, Madurai, India collaborated with FATER Academy of India	Dec 20 – 22, 2020	<i>Paper Presented</i>
13	Online Faculty Development Programme on Examinations in wake of COVID – 19,	Patrician College of Arts and Science, Chennai in association with Digital Edu IT Solution	May 8, 2020	Participated
14	International Faculty Development Program (Online) on Managing Stress, Teaching and Learning during this period of social distancing	MTC Global, Bangalore, Dhaka International University, Dhaka, Bangladesh and Knowledge Café, Bangalore	May 10, 2020	Participated
15	Two-day Online Faculty Development Programme on New	Fatima College, Madurai	May 11 – 12, 2020	Participated

<b>S. No.</b>	<b>Name of the Seminar / Conference / Workshop / FDP</b>	<b>Name of the Institution conducted</b>	<b>From – To (mention date)</b>	<b>Organised/Participate / Paper Presented/Acted as Resource Person</b>
	Normal – Pedagogical tools for online teaching			
16	Online Faculty Development Programme in the Data Science using R and Geo Gebra	Jamal Mohamed College, Tiruchirappalli in association with SPOKEN TUTORIAL Project, IIT Bombay	May 11 – 14, 2020	Participated
17	National level Faculty Development Programme	North Storm Academy Presents FDP 2.0	May 13 – 14, 2020	Participated
18	National Level Online Faculty Development Programme on R Language	Auxilium College, Vellore, in collaboration with SPOKEN TUTORIAL Project, IIT Bombay	May 13 – 20, 2020	Participated
19	Online Faculty Development Programme on Probability and Statistics (with hands on training using virtual MATLAB & R)	Kalasalingam Academy of Research and Education, Krishnankoil.	May 16 – 22, 2020	Participated
20	National Webinar on Taking Research Forward during the Pandemic	Loyola Institute of Frontier Energy, Loyola College, Chennai	May 13 – 20, 2020	Participated
21	Online Faculty Development Programme on Migration of IT INFRA using Cloud	Poornima Institute of Engineering and Technology, Jaipur	May 20 – 21, 2020	Participated
22	Webinar Programme on Centrality Measures in Graph theory	Kalasalingam Academy of Research and Education, Krishnankoil	May 23, 2020	Participated
23	Online Faculty Development Programme on Graph theory – A research view	Nirmala College for Women, Coimbatore	May 26, 2020	Participated
24	Webinar on Mathematical Documentation and Computation using online tools	St. Mary's College, Thoothukudi	May 28 – 29, 2020	Participated

<b>S. No.</b>	<b>Name of the Seminar / Conference / Workshop / FDP</b>	<b>Name of the Institution conducted</b>	<b>From – To (mention date)</b>	<b>Organised/Participate / Paper Presented/Acted as Resource Person</b>
25	Online Workshop on Data Analysis using SPSS	The American College, Madurai	May 28 – 30, 2020	Participated
26	Five-day online Faculty Development Programme on Evolution from Offline to Online Teaching	Satish Pradhan Dnyanasadhana College, Thane, in association with Department of Information Technology of Mumbai, Yashwantrao Chavan Maharashtra Open University, Mumbai Regional Centre and Microsoft	May 30 – June 3, 2020	Participated
27	Five days Faculty Development Programme on Python 3.4.3	Dharmamurthi Rao Bhagadur Calavala Cunnan Chetty's Hindu College, Chennai, in collaboration with Spoken Tutorial Project, IIT, Bombay	June 10 – 15, 2020	Participated
28	Webinar on Encryption through Molecular Graphs	Dr. MGR – Janaki College of Arts and Science for Women, Chennai	June 13, 2020	Participated
39	One day National Webinar on The Role of Technology in Teaching – Learning Mathematics	Vidhyaa Arts and Science College, Salem	June 16, 2020	Participated
30	Webinar on Real World Applications of Linear Algebra	ATMIYA Institute of Technology and Science for Diploma Studies, Rajkot, Gujarat, India	June 18, 2020	Participated
31	National Webinar on Theory of Graphs – An Emerging Field of Research	Thiagarajar College, Madurai	June 20, 2020	Participated
32	National Webinar on New Exterior Function and its Application in Fractional Calculus	Government Arts College for Women, Salem	June 24, 2020	Participated

<b>S. No.</b>	<b>Name of the Seminar / Conference / Workshop / FDP</b>	<b>Name of the Institution conducted</b>	<b>From – To (mention date)</b>	<b>Organised/Participate / Paper Presented/Acted as Resource Person</b>
33	International Webinar on Recent Trends on Domination in Graphs	V. O. Chidambaram College, Thoothukudi	June 25, 2020	Participated
34	Webinar on Fuzzy matrix and its applications	A.D.M. College for Women, Nagapattinam	June 26, 2020	Participated
35	Online National Webinar on Graph Decomposition using Graph Labelings	St. Joseph's Institute of Technology, Chennai	June 27, 2020	Participated
36	The online Webinar on Mathematica and Applications of Mathematics	Pillai College of Engineering, New Panvel, Maharashtra	June 27 – 29, 2020	Participated
37	National Statistics Day – webinar on Applications of Statistics	Sri Ramakrishna College of Arts and Science, Coimbatore	June 29, 2020	Participated
38	Six days Faculty Development Programme on Applications of Mathematics in Diverse Fields	Anand Institute of Higher Technology, Kazhipattur, Chennai	Jun 29 – Jul 4, 2020	Participated
39	National Webinar on CSIR NET Mathematics – Linear Algebra – Diagonalization	Sengunthar Arts and Science College, Tiruchengode, Namakkal, Tamil Nadu	July 15, 2020	Participated
40	Two weeks Faculty Development Programme on ADVANCED CONCEPTS FOR DEVELOPING MOOCS	Teaching Learning Centre Ramanujan College, University of Delhi, sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Government of India	July 2 – 17, 2020	Participated
41	Webinar on Hacks and Tips: CSIR-UGC-NET Examination in Mathematics	The American College, Madurai	July 6 – 8, 2020	Participated

<b>S. No.</b>	<b>Name of the Seminar / Conference / Workshop / FDP</b>	<b>Name of the Institution conducted</b>	<b>From – To (mention date)</b>	<b>Organised/Participate / Paper Presented/Acted as Resource Person</b>
42	Five days International Conference on Recent Trends in Mathematics and its Applications to Graphs, Networks and Petri Nets (ICRTMA – GPN - 2020)	School of Computational and Integrative Sciences Jawaharlal Nehru University, New Delhi, India	July 20 – 24, 2020	Participated
43	The webinar on Applications of Mathematics	Sethu Institute of Technology, Pulloor, Kariapatti	Dec 30, 2020,	Participated
44	National webinar on Modelling and Solving Graph colouring problems using GRIN software	Theivanai Ammal College for Women, Villupuram	May 26, 2021	Participated
45	Online workshop on Recent Trends in Domination and Graph Labelling (RTDGL 2021)	Ramanujan College, University of Delhi in collaboration with Academy of Discrete Mathematics and Applications (ADMA)	May 27 – 31, 2021	Participated
46	The Webinar on Linear Algebra and its Applications	Vivekananda College, Tiruvedakam, Madurai	June 14, 2021	Participated
47	Virtual Workshop on Mathematical Sciences for CSIR – UGC JRF/ NET and GATE aspirants	St. Mary's College (Autonomous), Thoothukudi	Jun 28 – Jul 2, 2021	Participated
48	Two days Workshop on Blended Learning Through E-Assessment: Moodle	SRM Institute of Science and Technology, Chennai	Aug 12 & 13, 2021	Participated
49	CMI – NASI Online Workshop on Linear Algebra and Elementary Number Theory	Mepco Schlenk Engineering College, Sivakasi	Jan 27 – Feb 26, 2022	Participated
50	One Week Faculty Development Programme on Effective Teaching Learning Paradigms through Pedagogical Innovations	Sathyabama Institute of Science and Technology, Chennai	Feb 7 – 12, 2022	Participated
51	National Seminar on Current Scenario in Graph theory and its Applications	V.V.Vanniaperumal College for Women, Virudhunagar	Feb 11, 2022	Participated

<b>S. No.</b>	<b>Name of the Seminar / Conference / Workshop / FDP</b>	<b>Name of the Institution conducted</b>	<b>From – To (mention date)</b>	<b>Organised/Participate / Paper Presented/Acted as Resource Person</b>
52	SKYLINE MATH - 2K22	Mary Matha College of Arts and Science, Periyakulam	Sep 30, 2022	<i>Resource person</i>
53	Two-day online Workshop on Data Analytics and Machine Learning through Zero Coding	Vellore Institute of Technology, Chennai	June 26 – 27, 2023	Participated
54	one-week International Faculty Development Programme on Mathematics in Real, Applied and Computational Domains	Sathyabama Institute of Science and Technology, Chennai	July 3 – 8, 2023	Participated
55	Two-day online hands-on Workshop to Mastering Fuzzy Mathematics with Python Programming	Indian Mathematics Professor Association and Infinity Research & Development Institute, Coimbatore	Dec 30 – 31, 2023	Participated
56	One-week National Level (Online) Faculty Development Programme on Applications of Mathematics in Multi-disciplinary Domains	The American College, Madurai	Feb 1 – 8, 2024	Participated
57	Two days Faculty Development Programme on Evaluation Strategies & Classroom Management	Michael Job Memorial College of Education for Women, Coimbatore	Feb 5 – 6, 2024	Participated
58	International Conference on Mathematical Challenges and Novel Applications	Ayya Nadar Janaki Ammal College, Sivakasi, Ramco Institute of Technology & The Standard Fireworks Rajaratnam College for Women, Sivakasi	Mar 21 – 22, 2024	<i>Paper Presented</i>
59	Five days International Online FDP on Exploring Recent Trends in Applied Mathematics and Machine Learning	Koneru Lakshmaiah Education Foundation (Deemed to be University), Bachupally Campus, Hyderabad	May 20 – 24, 2024	Participated

<b>S. No.</b>	<b>Name of the Seminar / Conference / Workshop / FDP</b>	<b>Name of the Institution conducted</b>	<b>From – To (mention date)</b>	<b>Organised/Participate / Paper Presented/Acted as Resource Person</b>
60	Webinar on Machine Learning Based Statistical Methods for High Dimensional Databases	Kalasalingam Academy of Research and Education, Krishnankoil.	June 29, 2024	Participated
61	Five-day Online Faculty Development Program on Research in Mathematics: Present Trends and Future Prospects	Sacred Heart College, Tirupattur & Patrician College of Arts and Science, Chennai	Nov 18 – 22, 2024	Participated
62	National Conference on Enhancing the Quality of Academics and Research in HEI's	The American College, Madurai	Jan 28, 2025	Participated

**Awards / Fellowships:**

- ✓ Secured **Gold Medal** in **B.Sc. Mathematics**.
- ✓ Received **Junior Research Fellowship** from **DST – SERB** during the period 2013 – 2015.