

STAFF PROFILE



Name : Dr. P. Palanikumar
Designation : Assistant Professor
Department : Mathematics
Date of Joining : 14.07.2021
E-mail : palanikumar.p@americancollege.edu.in
Mobile (Optional) : +91 8883654700

Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
B.Sc	Mathematics	The Madura College, Madurai	2008
M.Sc	Mathematics	The Madura College, Madurai	2010
M.Phil	Mathematics	Thiagarajar College, Madurai	2011
Ph.D	Mathematics	Madurai Kamaraj University, Madurai	2021

Specialisation in Teaching : Graph Theory, Analysis and Algebra

Specialisation in Research : Graph Theory

Research Interests : Graph Theory

Other Work Experience :

Designation	Institution / Company	Year
Assistant Professor	Thiagarajar College, Madurai	2011 – 2013
Assistant Professor	Mannar Thirumalai Naicker College, Madurai	2013 – 2020

Articles Published in International Journals:

- P. Palanikumar and S. Balamurugan, *Weighted dom-chromatic number of a Tree*, International Journal of Pure and Applied Mathematics, communicated.
- P. Palanikumar and S. Balamurugan, *Weighted dom-chromatic number of Type-II weighted paths*, International Journal of Mathematics Trends and Technology, Vol. 66, Issue 5, (2020), 207-218.
- P. Palanikumar and S. Balamurugan, *Weighted dom-chromatic number of some classes of Type-I weighted caterpillars*, International Journal of Mathematics Trends and Technology, Vol. 66, Issue 5, (2020), 180-191.
- P. Palanikumar and S. Balamurugan, *Weighted dom-chromatic number of Type-I weighted complete caterpillars*, International Journal of Mathematics Trends and Technology, Vol. 66, Issue 5, (2020), 195-201.
- P. Palanikumar and S. Balamurugan, *Degree Divisor Graph*, International Journal of Pure and Applied Mathematics, communicated.

Conference / Seminar Presentations:

- Participated in the National Conference on “ **PRESENT SCENARIO IN GRAPH THEORY**”(**PSGT-2016**) held at PG Department of Mathematics and Research Centre, Mannar Thirumalai Naicker College, Madurai on 16th December 2016.
- An oral presentation of a paper entitled “ **Changing and Unchanging Properties of the Neighborhood Connected Domination number of a Graph**” has been done in the two day International conference on **ALGEBRA AND DISCRETE MATHEMATICS – ICADM 2018** held at Madurai Kamaraj University, Madurai during January 08 – 10, 2018.
- An oral presentation of a paper entitled “ **Graph Theory in Computer Programming**” has been done in the two day National conference on **Recent Trends in Informatics – NCRTI 2018** organized by Alagappa Institute of

Skill Development, Alagappa University, Karaikudi held on 19th & 20th March, 2018.

- An oral presentation of a paper entitled “ **Weighted Dom-Chromatic Number of a Tree**” has been done in the three day International conference on **Advances in Pure & Applied Mathematics 2018** held at School of Mathematics, Madurai Kamaraj University, Madurai during September 06 – 08, 2018.
- An oral presentation of a paper entitled “**Degree Divisor Graph**”.has been done in International Conference on “Sustainable Development” **KALASALINGAM GLOBAL CONFERENCE KGC – 2019**) held at Kalasalingam Academy of Research and Education (Deemed to be University), Krishnankoil, Tamil Nadu, India during December 18th – 20th, 2019.

Seminars:

- An oral presentation of a paper on **Degree Divisor Graphs and its complement of graphs** has been done in the State Level Seminar on **RECENT RESEARCH DEVELOPMENTS IN MATHEMATICS** on 11th February, 2014 under UGC Autonomous Grant organized by the Department of Mathematics, Sri S. Ramasamy Naidu Memorial college, Sattur.
- Participated in the State level seminar on “ **NEW AREAS IN GRAPH THEORY**” organized by the Department of Mathematics, Mannar Thirumalai Naicker College, Madurai on 13th March 2014.
- Participated in the “**UGC Sponsored State Level Seminar on RECENT TRENDS IN MATHEMATICAL MODELS** ” on 14th August, 2014 organized by the Department of Mathematics, Mannar Thirumalai Naicker College, Madurai.
- Participated in the “**AICTE Sponsored National Seminar on Industrial Applications of Soft Computing Techniques** ” organized by the Department of Mathematics, Thiagarajar College of Engineering, Madurai on 15th & 16th March 2019.

Workshops:

- Participated in the workshop on **Reformation in Examination system** organized by **NAAC-IQAC** of Thiagarajar College, Teppakulam, Madurai on 22.03.2012.
- Participated in the training program on **Enhancement of Internal Quality** organized by **NAAC-IQAC** of Thiagarajar College, Teppakulam, Madurai on 27th March 2012.
- Participated in the **RMS & ADMA** sponsored “**Workshop on Graph theory and Its Applications**” organized by the Department of Mathematics, The Madura College, Madurai during 27-28, November 2014.
- Participated in the **Science Academies’ Lecture workshop** on “**Mathematical Modeling**” organized by the Department of Mathematics, The Madura College, Madurai during February 10 & 11, 2017.
- Participated in **One day Faculty Development Programme** organized by **NAAC-IQAC** of Mannar Thirumalai Naicker College, Madurai on 4th March 2017.
- Attended the Training programme on “**Mental Health First Aid**” organized by M.S. Chellamuthu Institute of Mental Health and Rehabilitation and supported by Rajiv Gandhi National Institute of Youth Development, Sriperumbudur, Tamil Nadu between March 08th & 10th, 2017 at Hotel SarathaRajans, Shenoy Nagar, Madurai.
- Attended **NSS Orientation Training Programme** at Avinashilingam University, Coimbatore from 04th to 10th October 2017.

- Participated in the workshop on “ **Technicalities of Writing Research Proposal** ” held on 29th June 2018 at Mannar Thirumalai Naicker College, Madurai.

Webinars:

- Participated in the National Seminar on “**Current Scenario in Graph Theory and its Applications**” under DBT Star College Scheme on 11.02.2022 organized by the Department of Mathematics, V.V. Vanniaperumal College for Women, Virudhunagar.
- Participated in the 27th International Conference on **International Academy of Physical Sciences on Mathematical Modelling in Biological Science**, held during the 26th to 28th of October 2021 organized by National Institute of Technology Silchar, Assam, India.
- Participated in the International Conference on **Class Groups on Number Fields and Related Topics**, held during the 21st to 24th of October 2021 at the Kerala School of Mathematics.
- Participated in the Two days International Virtual Workshop on “ **Innovative Resources and IPR in Research**” held on 8th-9th October 2021 organized by the PG & Research Department of Mathematics, The American College (Autonomous), Madurai, Tamil Nadu, India.
- Participated in the National webinar on **Recent Research Directions in Distance in Graphs** organized by Department of Mathematics, Ayya Nadar Janaki Ammal College, Sivakasi on 28th May, 2020.
- Participated in the National **Faculty Enrichment Programme** from 13th May to 19th May 2020 organized by Internal Quality Assurance Cell of Mannar Thirumalai Naicker College, Madurai.

Awards/ Fellowships: Qualified SET in 2016.