



Name : Dr.P.PADMAVATHI

Qualification : M.Sc.,M.Phil.,M.C.A., Ph.D.,

Designation : Associate Professor

Date of Birth :18.02.1974

Date of Joining :16.09.2008

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No.of M.Phil : Completed - 3

No.of Papers presented : National level – 1
International level - 3

No. of papers published : National level – 1
International level - 7

Received “Best Teacher award” for the year 2014 from Akshaya Institute of Management Studies, Coimbatore on September 5, 2014

Papers Published

- P.Padmavathi ,“ Properties of nano-generalized pre c-interior in a Nano topological Space”, Ratio Mathematica, Volume 46, 194-201, March 2023, ISSN: 1592-7415, eISSN: 2282-8214.(UGC Care)
- P.Padmavathi and R.Nithyakala, “Nano Generalized pre c-Irresolute and Nano contra Generalized pre-c- Irresolute functions”, International Journal of Mathematics Trends and Technology, Volume 67, issue 7, 104-112, July 2021, ISSN 2231-5373.
- P.Padmavathi and R.Nithyakala, “Elimination of Attributes in Chronic Kidney Disease using Basis in Nano Topology”, International Journal of Innovative Science, Engineering & Technology, Vol 8, issue 3, 115-119, March 2021.ISSN (online) 2348- 7968.

- P.Padmavathi and R.Nithyakala ,“On Nano Generalized pre c-continuous functions in Nano Topological spaces” , Advances in Mathematics:Scientific Journal 9 (2020) no.10,7925-7931. ISSN:1857-8365(printed): 1857-8438(electronic). (**Scopus Indexed**)
- P.Padmavathi and R.Nithyakala, “A Note on Nano Generalized pre c-closed sets”, International Journal of Advanced Science and Technology (**Scopus Indexed**) , Vol 29,No. 3s, 194-201, 2020.
- P.Padmavathi , S.Pavithra and R.Nithyakala “Nano generalized c* closed sets in nano topological spaces”, UGC approved journal “Malaya Journal of Mathematik” Vol 7, No.1 , 76-78, 2019.(**UGC Care**)
- V.Ananthswamy, P.Padmavathi, “Simple analytical expression of temperature in microwave heating model in an infinite slab: MNDHPM”, ROOTS International Journal of Multidisciplinary Researchers, 1 (1),107-117.
- V.Ananthswamy, P.Padmavathi, L.Rajendran, “Simple Analytical Expressions of the steady state concentration and flux in Immobilized Glucose Isomerase of packed – bed reactors”, International Journal “Review of BioInformatics and Biometrics” - Volume 3, 29-37, ISSN 2326-5825, 2014.

Papers Presented

- P.Padmavathi,” Properties of nano Generalized pre c-interior in a Nano Topological Space”, International Conference on Mathematical Modelling,Analysis and Computing, Thiruvalluvar University, Vellore from 14th-16th September 2022.
- P.Padmavathi,” Nano Generalized pre c-Homeomorphism in Nano Topological Spaces”,One day International Conference on Emerging Trends in Science and Technology, NGM College, Pollachi on 27.10.2021
- P.Padmavathi,”On Nano Generalized pre c-connectedness in Nano Topological Spaces”, International Conference on Mathematical Sciences and its Applications,Pasumpon Muthuramalinga Thevar College, Usilampatti, Madurai on 7th and 8th October 2021.
- V.Ananthswamy, P.Padmavathi, “Simple analytical expression of temperature in microwave heating model in an infinite slab: MNDHPM”, DST Sponsored National Conference on Recent Development in Mathematics and its Applications (RDMA 2015) ,The Madura College (Autonomous), Madurai on January 9, 2015.

No.of Citations : 6

h-index : 2

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https://scholar.google.com/citations?view_op=list_works&hl=en&user=Uph659sAAAAJ

Books authored:

Human Values and Gender Equity

National /International conferences /Workshops organized:

- Co-ordinated DBT funded One day International Conference on “Mathematical Modelling in Nature and Social Sciences” on 16.02.2019.
- Organized DBT funded Workshop “Soft Skills Enhancement Programme - Problem Solving Session in Algebra” from 18.1.2021 – 23.1.2021.
- Organized DBT funded Online Awareness Programme on Physical and Mental Health of Women during the Pandemic on 13.5.2021.

Resource Person

Inauguration of Cypher Association and Orientation Program entitled “Significance in Mathematics” organized by the Department of Mathematics, A.V.P College of Arts and Science, Tirupur on 24.07.2023

Seminars / Workshops / Courses Attended

- Attended Refresher Course in Mathematics on the Theme “ Emerging Trends in Modern Mathematics”, Madurai Kamaraj University, 10.11.2021 – 23.11.2021.
- Attended Refresher Course in Mathematics on the Theme “ Teaching, Research and Applications in Mathematics and Statistics”, Madurai Kamaraj University, 21.01.2020 – 03.02.2020.
- Attended Workshop on Swayam at Bharathiar University on 16.10.2019.
- Participated in ICT Academy Conference on “CSR Convergence 2019” at ITC Grand Chola, Chennai.

- Attended UGC Sponsored workshop on “ e content development, MOOC’s and Open Educational Resources” at Bharathiar University Coimbaore from 22.10.18 - 26.10.18
- Attended Two weeks Faculty Development Programme on “Mathematical Sciences Research Challenges in Engineering Applications” at Sethu Institute of Technology, Madurai , 20.11.2017-03.12.2017.
- Attended Refresher Course in Applied Mathematics and Statistics ,HRDC Bharathiar University , 05.07.2017 - 25.07.2017
- Attended the Orientation Course, HRDCBharathiar University, 6.5.15-2.6.15
- Attended Refresher Course in Mathematics entitled “ Advances in Analysis and Algebra”, Madurai Kamaraj University, 7.11.13 – 27.11.13.
- Attended Faculty development programme on Entrepreneurship development, Centre for Entrepreneurship development , October 4-15 2010.
- Attended the Orientation Course, ASC Bharathiar University, 18.4.06 -15.05.2006.

Other Activities

- Member in Admission Committee.
- Member in Curriculum Development Cell
- Co-opted member in College Union
- SPOC in NPTEL – Local Chapter
- Swayam- Mentor
- Subject Expert in UG- Mathematics Board of Arulmigu Palaniandavar College for Women, Palani
- Co-opted member in Alumni Association
- Co-opted member in IQAC
- Placement Officer from 2011-2012 to 2015-2016
- Member of Board of studies for Sri G.V.G. Visalakshi College upto till date
- Co-opted Member in NSS for 2 years
- Co-opted Member in fine arts club for 1 year
- Member in Examination Committee for 1 year

- Co-opted Member in Science club for 2 years
- Co-opted Member in College Union for 1 year