

Name: Dr. K. POORANI

Qualification: M.Sc., Ph.D.,

Designation: Assistant Professor of Mathematics

Area of Specialization : Topology

Date of Joining : 02.09.2023

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Papers published in Journals: International Journals: 5

Presented Papers in Conferences & Seminars : International Conferences : 3

Attended Work Shops/ Conferences & Seminars : 8

ACADEMIC CREDENTIALS

- Ph.D., (Topology - 2023)
V.V.Vanniaperumal College for Women, Virudhunagar.
- M.Sc., (2017)
Government Arts College, Udumalpet.
- B.Sc., (2015)
Arulmigu Palaniandavar Arts College for Women, Chinnakalayamputhur.
- HSC (2012)
Government Girls Higher Secondary School, Palani.
- SSLC (2010)
Sri Venkatakrisna Higher Secondary School, Kaniyur.

PAPER PRESENTATIONS/CONFERENCES PARTICIPATED

- Presented paper in the International Conference on “**New Frontiers in Mathematics and Computing- ICNFMC’ 2019**” at Lady Doak College, Madurai on topic “Operation on $\widehat{\Omega}$ -closed sets”.

- Presented paper in the International Conference on “ **Sustainable Development (Kalasalingam Global Conference-2019)**” at Kalasalingam Academy of Research and Education, Krishnankoil on topic “Remarks on γ_{Ω}^* -open sets and minimal γ_{Ω}^* -open sets” .
- Presented paper in **22nd FAI International Conference on Mathematical, Computational Intelligence and Engineering Approaches to Healthcare, Business and Tourism Analytics 2020** at The American College, Madurai on topic “Study on γ_{Ω} I-open set via γ_{Ω} I-regular and γ_{Ω} I-normal ”.
- Received award for the “Best Outgoing Student in Mathematics“ in final year at Arulmigu Palaniandavar College for Women, Chinnakalayamputhur.
- Participated in “One day State Level Seminar on NET/SET Preparation” held on 19th September 2018, organized by the Department of Mathematics, G.T.N. Arts College, Dindigul.
- Participated in Three day Advanced Training Programme in “Algebra and Analysis” held on 7th to 9th December 2017, organized by the Department of Mathematics, Mepco Schlenk Engineering College(Autonomous), Sivakasi.
- Participated in One Week Workshop on “Algebra, Analysis and Descriptive Statistics” held on 4th to 9th June 2018, organized by the Department of Mathematics, Mepco Schlenk Engineering College(Autonomous), Sivakasi.
- Participated in the seven days special camping programme under N.S.S on the theme “Healthy Youth Wealthy India” organized at Bolamma Valasu and completed satisfactory two years of service during 2012-2014 in the National Service Scheme.
- Participated in the National Level Seminar on “Advances in Differential Equations and its Applications”, held on 15th March 2013, organized by the Department of Mathematics, Arulmigu Palaniandavar College for Women, Chinnakalayamputhur.

- Participated in the International Conference on “Advances in Numerical Analysis and Applied Mathematics”, held on 24th August 2013, organized by the Department of Mathematics, Arulmigu Palaniandavar College for Women, Chinnakalayamputhur.
- Participated in the State Level Seminar on “Fuzzy Mathematics and its Applications”, held on 20th February 2014, organized by the Department of Mathematics, Arulmigu Palaniandavar College for Women, Chinnakalayamputhur.

RESEARCH PAPERS PUBLISHED IN JOURNALS

- Published a paper, “Operation on $\widehat{\Omega}$ -closed sets” in **Malaya Journal of Matematik**, Vol.5, No. 4, 619-624, 2019 (**UGC Approved Journal**).
- Published a paper entitled “Remarks on $\gamma_{\widehat{\Omega}}^*$ -open sets and minimal $\gamma_{\widehat{\Omega}}^*$ -open sets” in **International Journal of Engineering and Advanced Technology**, Volume-9, Issue-1 S4, 2019 (**Scopus**).
- A paper entitled “On maximal $\gamma_{\widehat{\Omega}}^*$ -open sets” is accepted in **scopus** journal, **Boletim da Sociedade Paranaense de Matematica**.
- A paper entitled “Study on $\gamma_{\widehat{\Omega}}$ I-open set via $\gamma_{\widehat{\Omega}}$ I-regular and $\gamma_{\widehat{\Omega}}$ I-normal ” is accepted in a journal **springer**.
- Published a paper, ”Roll of $\gamma_{\delta\widehat{\Omega}}$ -open sets in Digital Topology” in **International Journal of Mathematical Trends and Technology**, Volume 66 Issue 9, 2020.