Name	: Dr. K. RENUKA
Designation	: Assistant Professor in Mathematics
Department	: Commerce with Information Technology
Qualification	: M.Sc., Ph.D.
Experience	: Teaching: 2.4 Years Research: 4 Years
Area of Specialization(s)	: Domination Theory
Email (Official ID)	: renukak@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Mathematics	The Gandhigram Rural University, Dindigul	Sep 2019
M. Sc	Mathematics	Nandha Arts and Science College, Erode	2014
B.Sc	Mathematics with Computer Applications	Nandha Arts and Science College, Erode	2011

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Diploma	PGDCA	Bharathiar University, Coimbatore	2014

Grants Received

Event Title	Agency	Amount	Date
UGC-BSR SRF	University Grants Commision, New Delhi	24000/month	18/12/2017-17/12/2018
UGC-BSR JRF	University Grants Commision, New Delhi	21700/month	18/12/2015-17/12/2017
UGC-PG INDRA GANDHI SINGLE GIRL CHILD FELLOWSHIP	University Grants Commision, New Delhi	2000/month	2012-2014

Research Publications (Indexed)

International

Dr. K. Renuka, **[1,2]-Connected domination number of graphs**, Turkish journal of computer and mathematics education, Vol. 12(13), (2021), 5100-5105 (UGC Care list).

Dr. K. Renuka, **Restrained nonsplit-[1,2] domination number in graphs**, Journal of Physics conference series (2018), DOI: 10:1088=1742-6596=1139=1=012052 (Scopus, Google Scholar).

Dr. K. Renuka, **[1,2]-Complementary connected domination number in graphs - II**, International journal of pure and applied mathematics, Vol. 117(11), (2017), 165-175 (Scopus, UGC Care list).

Dr. K. Renuka, **[1,2]-Connected domination number for square graph**, Global Journal of Pure and Applied Mathematics, Vol.13(2), (2017), 1048-1055 (Scopus).

Dr. K. Renuka, **[1,2]-Complementary connected domination number in graphs**, International Journal of Computational and Applied Mathematics, Vol.12(1), (2017), 281-288 (UGC Care list).

Dr. K. Renuka, **Nonsplit dom strong domination number of a square graph**, International Journal of Applied Engineering Research, Vol.11(1), (2016), 167-173 (Google Scholar).

Dr. K. Renuka, **Further results on nonsplit dom strong domination number**, Malaya Journal of Mathematik, Vol.3(4), (2016), 587-590 (UGC care list)

Other Publications: International / National Journals

Dr.K.Renuka, **[1,2]-Complementary connected domination number in graphs - III**, Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, Vol. 68(2), (2019), 2298-2312 (Sci club).

Dr. K. Renuka, **[1,2]-Complementary independent domination number in graphs**, Advances in Pure and Applied Mathematics - Book Chapter : 5, (2018), 41-52.

Dr. K. Renuka, **Characterization of neighbourhood total 2-domination with coloring parameter**, Advances in Natural and Applied Sciences, Vol.10(4), (2016), 324-332.

Presentations in Conference

RESTRAINED NONSPLIT-[1,2] BONDAGE NUMBER OF GRAPHS in international conference on "Mathematical Modelling and Scientific Computing" organized by The Gandhigram Rural Institute (Deemed to be University), Dindigul, Tamil Nadu during 19-21 February 2020.

[1,2]-COMPLEMENTARY INDEPENDENT DOMINATION NUMBER FOR SPECIAL GRAPHS in international conference on "Graph Theory and its Applications" organized SSN College of Engineering, Chennai, India during 20-21 November 2019.

RESTRAINED NONSPLIT-[1,2] DOMINATION NUMBER OF GRAPHS-I in international conference on "Mathematical Computer Engineering" organized by VIT, Chennai during 23 -24 November 2018.

RESTRAINED NONSPLIT-[1,2] DOMINATION IN GRAPHS in international conference on "Applied and Computational Mathematics" organized by Erode Arts and Science College, Erode, Tamil Nadu on 10th August 2018.

[1,2]-COMPLEMENTARY INDEPENDENT DOMINATION NUMBER OF GRAPHS in international conference on "Advances in Pure and Applied Mathematics 2018" organized MKU, Madurai and IMRF India, during 06-08 September 2018.

[1,2]-COMPLEMENTARY CONNECTED DOMINATION NUMBER OF GRAPHS-II in international conference on "Current Scenario in Pure and Applied Mathematics" Erode Arts and Science College, Erode, Tamil Nadu on 10th August 2018.

[1,2]-COMPLEMENTARY INDEPENDENT DOMINATION NUMBER OF GRAPHS in international conference on "Advances in Pure and Applied Mathematics 2018" organized by MKU, Madurai and IMRF India, during 06-08 September 2018.

[1,2]-COMPLEMENTARY CONNECTED DOMINATION NUMBER OF GRAPHS-II in international conference on "Current Scenario in Pure and Applied Mathematics" organized by Kongunadu Arts and Science College, Coimbatore during 14-16, February 2018.

[1,2]-COMPLEMENTARY CONNECTED DOMINATION NUMBER OF GRAPHS - II in international conference on "Algebra and Discrete Mathematics" organized by MKU, Madurai, Tamil Nadu during 08-10 January 2018.

[1,2]-CONNECTED DOMINATION NUMBER FOR SQUARE GRAPH in national conference on "Mathematical Modelling for Engineering"" organized by A.V.C. College of Engineering, Mayiladuthurai, Tamil Nadu on 08 April 2017.

[1,2]-COMPLEMNTARY CONNECTED DOMINATION NUMBER OF GRAPH in UGC sponsored national conference on "Mathematical Modeling" organized by CPA, Bodinayakanur, Theni, Tamil Nadu during 30-31 March 2017.

[1,2]-CONNECTED DOMINATION IN GRAPHS in international conference on "Discrete and Computational Mathematics" organized by The Gandhigram Rural Institute (Deemed to be University), Dindigul, Tamil Nadu during February 16-18,2017

NONSPLIT DOM STRONG DOMINATION NUMBER OF SQUARE GRAPH at international conference on "Applied Mathematical Models" organized by PSG College of Technology, Coimbatore, Tamil Nadu during January 5-7, 2016.

Participation in Conference/Seminars/Webinars/Workshop/FDP

RESEARCH METHODOLOGY AND PEDAGOGYFOR TERTIARY EDUCATION organized by Dr. N.G.P. Arts and Science College during 15 - 21 June 2021.

INTERNATIONAL VIRTUAL WORKSHOP ON RECENT TRENDS IN APPLIED MATHEMATICS AND RESEARCH METHODOLOGY organized by Government MGM PG College, Itarsi, Madhya Pradesh during 4 and 5 March 2021.

INTERNATIONAL VIRTUAL WORKSHOP ON DOMINATION THEORY AND TOPOLOGICAL INDICES organized by Mangalore University and Academy of Discrete Mathematics and Applications (ADMA) during 4 to 6 February 2021.

INTERNATIONAL WORKSHOP ON GRAPH THEORY AND INTERNET OF THINGS IN ENGINEERING organized by VIT, Chennai during 13 and 14 July 2018.

INTERNATIONAL WORKSHOP ON MATHEMATICAL MODELLING AND SOFT COMPUTING organized The Gandhigram Rural Institute (Deemed to be University), Dindigul, Tamil Nadu during 25 to 27 April 2018.

LATEX-EFFECTIVE THESIS AND RESEARCH PAPER WRITING USING LATEX (HANDS ON TRAINING), organized by Kongunadu Arts and Science College, Coimbatore, Tamil Nadu on 2 March 2017.

GRAPH THEORY AND ITS APPLICATIONS organized by Hindusthan College of Engineering and Technology, Coimbatore, Tamil Nadu during 14 and 15 July 2016

FACETS-2016 at The IMSc, Chennai, Tamil Nadu during 4 and 5 July 2016.

EXPANDING HORIZONS AND EMERGING TRENDS IN MATHEMATICS held at Sri Vasavi College, Erode, Tamil Nadu on 10 February 2014.

MATHEMATICS WORKSHOP FOR COLLEGE TEACHERS 2013 at Vellalar College for Women, Erode, Tamil Nadu on 18 to 22 November 2013.

SCIENCE ACADEMY LECTURE WORKSHOP, held at IMSc Chennai, on 1 and 2 July 2013.

NATIONAL WEBINAR ON ADVANCES IN GRAPH THEORY organized by Ramanujan Club, Department of Mathematics in association with IQAC, Government college of DAMAN on 29 June 2020.

NATIONAL WEBINAR ON COLORING OF GRAPHS organized by Tirumala Engineering College, Andhra Pradesh on 6 June 2020.

NATIONAL SEMINAR ON PERSPECTIVE AND CHALLENGES ON ADOPTING THE CURRICULUM FOR ENGINEERING AND TECHNOLOGY IN INDIA organized by VFSTR deemed to be University on 21 December 2019.

ACADEMY FOR FACULTY DEVELOPMENT FACULTY ORIENTATION PRGRAMME organized by VFSTR deemed to be University from 5 July 2019 to 16 July 2019.

INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING AND NETWORKS organized by Department of Mathematics, Nandha Arts and Science College, Erode, Tamil Nadu on 26 July 2018.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS, MATHEMATICAL MODELING AND COMPUTING TECHNIQUES organized by Department of Mathematics, The Gandhigram Rural Institute (Deemed to be University), Dindigul, Tamil Nadu during 15 to 17 March 2018.

NATIONAL LEVEL SEMINAR ON RECENT TRENDS IN APPLIED MATHEMATICS organized by Department of Mathematics, University VOC College of Engineering, Anna University: Thoothukudi Campus, Tamil Nadu on 6 March 2017.

NATIONAL CONFERENCE ON DISCRETE MATHEMATICS AND ITS APPLICATIONS organized by Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu on 15 to 17 July 2015.

NATIONAL LEVEL CONFERENCE ON ROLE OF MATHEMATICAL SCIENCES IN OUR DAY TO DAY LIFE at Nandha Arts and Science College, Erode, Tamil Nadu on 19 February 2015.

NATIONAL SEMINAR ON APPLICATION OF MATHEMATICS SOLUTION FOR THE REAL LIFE PROBLEMS at Maharani Arts and Science College, Dharapuram, Tamil Nadu on 28 January 2015.