

CURRICULAM VITAE

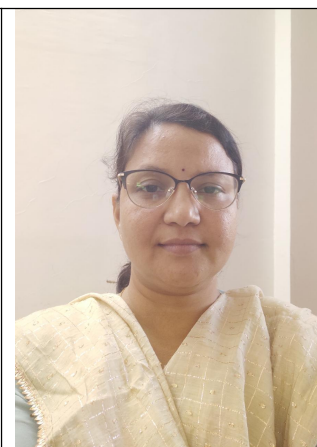
Dr. MEGHA KHANDELWAL
M.Sc., M.Phil, Ph.D. (Mathematics)

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Kalaburagi, 585103, Karnataka

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Objective.

To work as a teacher in a challenging and dynamic environment and to use and expand my knowledge and experience for the growth of the students, organization and myself.

Job Experience.

I have an overall 13 years experience of teaching Mathematics in Engineering courses, M.Sc. Courses, B.Sc. Courses and +2 level courses of Mathematics in the following institutes.

Name of Institute	Designation	Duration	Board/ University
Dept. of Mathematics, Central University of Karnataka, Kadaganchi, Kalaburagi. Karnataka	Contractual Faculty	Sept. 2016 to Dec.2016. Feb.2017 to April 2019. Oct. 2019 till Date.	Central University of Karnataka, Kalaburagi
Dept. of Research and Studies in Mathematics. Gulbarga University, Kalaburagi, Karnataka	Guest Lecturer	Nov-2015 to May-2016.	GUG, Kalaburagi.
Dept. of Research and Studies in Mathematics. Gulbarga University, Kalaburagi, Karnataka	Research Scholar	July 2013 to November- 2015	GUG, Kalaburagi.

V.G. Women P.U.College for Sciences. Kalaburagi, Karnataka	Visiting Faculty	July 2012 to July-2013	Karnataka P.U. Board
Sardar Patel Institute of Engg. & Technology., Mandaleshwar, (M.P)	Visiting Faculty	Jan.2012 to March 2012	RGPV, Bhopal
Appa Institute of Engg. and Technology. Kalaburagi.	Assistant Professor	Feb- 2009 to Jan 2012.	VTU, Belgaum.
Muktambika P.U. College of science, Kalaburagi.	Sr. Lecturer	2007- 2008	Karnataka P.U. Board
Yugantar Public School,Rajnandgaon, Chattisgarh.	Lecturer	2003-2004	CBSE

Academic Details:

Course	Year	School/ College	Percentage
Ph.D Full Time.	2013(Registered), 2016 (Awarded) (coursework)	Department of Studies and Research in Mathematics, Gulbarga University, Kalaburagi	89%
M.Phil.	2008	”	80.2%
M.Sc. (Maths)	2003	Govt. Digvijay College, Rajnandgaon,(C.G) Pt. R.S.S.University, Raipur	57.38%
B.Sc. (P.C.M.)	2001	Govt. Kamala Devi Girls College. Rajnandgaon (C.G) Pt. R.S.S.University, Raipur	73.66%
12th	1998	Govt. Higher Secondary School, Ambagarh Chowki(C.G)	77.8%
10th	1996	„	82.5%

Area of Research: Graph Theory

- 1) Graph Valued functions
- 2) Domination in Graphs
- 3) Graph Energies

Projects guided: Have guided 14 students for their M.Sc. Projects in central University of Karnataka.

Subjects taught: Linear Algebra, Operations Research, Probability and Statistics, Graph Theory, Algebra, Differential Calculus, Transformation Techniques, Real Analysis, Discrete Mathematics, Engineering Mathematics I, II, III, IV.

Programming Languages: Python, MATLAB

Papers Published:

1. Sana Aejaaz, Megha Khandelwal and D.G. Akka, *Weak Domination in Semitotal Block graphs, Advances and Application in Mathematical Sciences*, March 2022, Vol.21, Issue 5, Pages 2329-2343.
2. Megha Khandelwal and M.H. Muddebihal, *Strong Split Line Block Domination of a Graph, Journal of Emerging Technologies and Innovative Research*, ISSN: 2349-5162, October 2017, Vol. 4, Issue 10, pp 439-440
3. M.H. Muddebihal and Megha Khandelwal, Strong Split Block Cut Vertex domination of a graph, *International Journal of Mathematics and Computer Applications Research*, ISSN: 2249-6955, I.P. 4.6257, Vol.5, Issue-5, 2015, pp 73- 80.
4. M.H. Muddebihal and Megha Khandelwal, *On Strong Split Middle Domination of a Graph, International Journal on Recent and Innovation Trends in Computing and Communication*, June-2016, ISSN: 2321-8169, Vol.4, Issue-6.
5. M.H. Muddebihal and Megha Khandelwal, *Strong Split Lict Domination of a Graph, International Journal of Engineering & Scientific Research*, ISSN: 2347- 6532, Vol.2, Issue-7, 2014, pp 187-198.
6. M.H. Muddebihal and Megha Khandelwal, *On Strong Split Semitotal Block Domination of a Graph*, accepted in *International Journal of Pure and Applied Mathematics*, Scopus Indexed Journal.

Papers presented in national and international conferences:

1. Presented a paper entitled “Strong Split Semitotal Block Domination of a Graph” in a national conference NCRAAM-2014, Gulbarga University, Kalaburagi, Karnataka, INDIA.

2. Presented a paper entitled “Strong Split Lict Domination of a Graph” in national conference National Conference in Applied Science and Humanities-2015, K.S. School of Engineering and Management, Bengaluru, Karnataka, INDIA.
3. Presented a paper entitled “Strong split block cut vertex domination of a graph” in *International Conference in Mathematical Sciences-2015*, Sri Venkateshwara University, Tirupati, Andhra Pradesh, INDIA.
4. Presented a poster entitled “On equal domination, connected domination and strong split domination of a graph” in *International Conference on Graph Theory and its Application-2015*, Ramanujan School of Mathematical Sciences, Pondicherry University, Puducherry, Tamilnadu, INDIA
5. Presented a paper entitled “Strong split domination of some claw free graphs” in *International Conference on Mathematical Sciences-2015*, Dept. of Mathematics, Sadguru Gadage Maharaj College, Karad, Maharashtra, INDIA.
6. Presented a paper entitled “Characterization of graphs with equal domination, connected domination and strong split domination of a graph” in *national Conference on innovative trends in Engineering and Technology-2018*, A. G. Patil Institute of Technology, Solapur, Maharashtra.
7. Presented a paper entitled “More on equality of domination, connected domination and strong split domination numbers” in *international Conference on Number Theory and Graph Theory-2019*, Dept. of Mathematics, University of Mysore, Mysuru, Karnataka, INDIA.

Invited talks delivered as resource person:

1. Delivered an invited talk on “Communication and leadership skills” on Sept-9, 2022, in Two Weeks Faculty Development Programme organized by Research Cell and IQAC of Vipra Arts, Commerce and Physical Education College, Raipur Chattisgarh.
2. Delivered an Invited Talk on “ A Walk through Combinatorics: Graph Theory” On July-16, 2022 in Department of Mathematics, KBN University, Kalaburagi.

Conferences and workshops organized/ attended/chaired sessions:

1. Chaired session in Two days seminar on “Ancient Indian Mathematicians and their contributions-2023” on 21-22 December, 2023 organized by Dept. Of

Mathematics, Central University of Karnataka.

2. Worked as organizing member in Two days seminar on Indian women in Mathematics Day on May-12, 2022, organized by Dept. Of Mathematics , Central University of Karnataka.
3. Chaired sessions in International e- conference on Number Theory and Differential Equations on December 20-24,2021.
4. *Worked as organizing committee member of workshop on “Current Research in Mathematical Sciences-2019”* in Dept. of Mathematics, Central University of Karnataka, Kalaburagi.
5. Participated in the workshop “Indian women and Mathematics Regional Workshop on Research and Opportunities” organized by the Homi Bhabha Centre for Science Education, TIFR, Mumbai in February-2019.
6. Attended “Pedagogic Training for Maths Teaching” organized by Tirupati University, Tirupati, Andhrapradesh (sponsored by NBHM) from Nov. 9 to Nov. 16, 2016.
7. Participated in a “Special lecture series on Mathematical Science” organized in Dept. of Mathematics, Gulbarga University, Kalaburagi.
8. Participated in national workshop on “Research Approach in graph theory” in A.G.Patil institute of Technology, Solapur, Maharashtra.
9. Participated in a “Mission 10x workshop” for faculty development, conducted by Wipro Technologies in Appa Institute of Engg. and Tech. , Kalaburagi.
10. Participated in the workshop “On introduction to Probability and statistics for applications in engineering” held at PES Institute of Technology. Bengaluru.
11. Attended a national symposium on “Recent advances in applied mathematics” in Gulbarga University, Kalaburagi.

Awards / Achievements:

1. Got best paper presentation award for presenting paper entitled “Strong split domination of some claw free graphs” in *International Conference on Mathematical Sciences-2015*, Dept. of Mathematics, Sadguru Gadage Maharaj

College, Karad, Maharashtra, INDIA.

2. Got 3rd position in University Merit List of M.Phil Exams.
3. Got 10th position in University Merit List of B.Sc Exams.
4. College topper of B.Sc.
5. Secured 41st rank in state merit list of Madhya Pradesh for High School Certificate Exam.
6. Got selected for scholarship for higher secondary to post-graduate studies under “National scholarship scheme” by Ministry of Human Resource Development, Government of India.
7. Got selected for State level Debate competition from University.
8. Represented the district in discussion with **the then Chief Minister of Chattisgarh Shri Ajit Jogi** on the topic “**Mere Sapno ka Chattisgarh kaisa ho**”.

Languages Known: Hindi, English, Kannada (Spoken), Chattisgarhi.

Personal Details:

Date of Birth : 18-06-1981

Sex : Female

Father's Name : Late Shri Dr. Santosh Kumar Khandelwal

Mother's Name : Dr. Radha Khandelwal

Category : General

Nationality : Indian

Marital Status : Married

Husband's Name : Shri Vipin Ghiya.

Date: 21/01/2023

Dr. Megha Khandelwal