# BHAGYASHRI R DODDAMANI Email ID: bhagyadoddamani1@gmail.com

**Phone no.:** +91-8746852383

**Experience Summary:**

* One year of teaching professional experience with proficient in mathematics.
* Worked inJ. T. College, Gadag from September 2015 to June 2016 as a lecturer for M.Sc Mathematics Department.
* Worked in K. C. D college, Dharwad from July 2018 to April 2019 as a guest lecturer in Mathematics Department.
* Worked on graph theory articles and published papers in International Journal.
* Actively participating in Mathematics workshops and conferences.
* Experience in understanding and analyzing new graph theory concepts and providing new improved solutions.

**Technical Skills:**

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| **Technology / Skills** | **Description** |
| Operating System | Windows 7, Windows 10 |
| Document building tool | Latex, Microsoft office |
| Software’s | Matlab |

**Educational Qualifications:**

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| **Examination** | **Board/University** | **Institution** | **Year of**  **Passing** | **Percentage** |
| Ph.D. (Course work) | Karnatak University, Dharwad | Karnatak University, Dharwad | 2017 | 82.28% |
| M. Sc. (Mathematics) | Karnatak University, Dharwad | Karnatak University, Dharwad | 2015 | 86.36% |
| B. Sc. (PCM) | Karnatak University, Dharwad | J. T. College, Dharwad | 2013 | 81.11% |
| PUC | KEA, Bangalore | JSS college, Dharwad | 2010 | 47% |
| SSLC | KEA, Bangalore | KGM High School, Shigli. | 2008 | 86.24% |

**Achievements:**

* Published 13 papers on graph theory in International Journals.

**Other Activities:**

* Worked as organizer and coordinator for **cultural events** in college.

**Research Articles (Published in UGC Approved Journals till 14th June 2019)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Title** | **Journal name** | **Volume** | **Year** | **Page number & ISSN No.** |
| 01 | The Reformulated First Zagreb Index Of The Line Graphs Of The Subdivision Graph For Class Of Graphs | International Journal Of Engineering Sciences & Research Technology | 5(10) | 2010 | 144-149 [ISSN 2277-9655, Impact Factor – 4.116] |
| 02 | Atom Bond Connectivity Indices Of Kragujevac Trees *Kgd,k* | International Journal of Current Research and Review | 9(15) | 2017 | 1-7 [ISSN 0975-5241, Impact Factor- 4.016.] |
| 03 | Schultz Polynomials and Their Topological Indices Of Suspension Graphs | Journal of Global Research in Mathematical Archives | 4(11) | 2017 | 1-29 [ISSN 2320-5822] |
| 04 | Schultz Polynomials and Their Topological Indices Of Bottleneck Graphs | International Journal of Current Advanced Research | 6(12) | 2017 | 8312-8318 [ISSN 2319-6475, Impact Factor- 5.995.] |
| 05 | Atom Bond Connectivity Indices Of Jahangir Graphs *Jn,m* | Journal of the Indian Mathematical Society | 85(1-2) | 2018 | 202-216 [ISSN 2455-6475, Scopus Indexed]. |
| 06 | Some Topological Indices Of Carbon Nanocones *CNCk*(*n*) And Nanotori *C*4*C*6*C*8(*p, q*) | International Journal of Scientific Research in Mathematical and Statistical Sciences | 5(2) | 2018 | 35-39 [ISSN: 2348-4519, Impact Factor-1.021] |
| 07 | On The Diameter Of Middle Graphs And Total Graphs | International Journal of Mathematics Trends and Technology | 58(2) | 2018 | 131-134 [ISSN: 2231-5373, Impact Factor-2.53] |
| 08 | Computing Topological Indices For Certain Class of Nanostar Dendrimers | Journal of Emerging technologies and Innovative Research | 6(1) | 2019 | 714 – 723 [ISSN:2349-5162, Impact Factor-5.87] |
| 09 | Bounds For The Eigenvalues And Energy Of Degree Product Adjacency Matrix Of A Graph | Journal of Computer and Mathematical Sciences | 10(3) | 2019 | 565-573 [ISSN:2319-8133, Impact Factor-4.655] |
| 10 | On Energy and Spectrum of Degree Product Adjacency Matrix For Some Class Of Graphs | International Journal of Applied Engineering Research | 14(7) | 2019 | 1546-1554 [ISSN:0973-4562, Scopus Indexed] |
| 11 | Equienergetic Line Graphs of Regular Graphs of Degree Product Adjacency Matrix | Journal of Applied Science and Computations | 6(3) | 2019 | 2100-2105 [ISSN:1076 - 5131, Impact Factor -5.8] |
| 12 | On The Bounds of Laplacian Energy For Degree Product Adjacency Matrix of Regular Graph | Research Guru, Online journal of multidisciplinary subjects | 13(1) | 2019 | 10-17 [ISSN:2349-266X, Impact Factor- 4.081]. |
| 13 | Leap Zagreb Indices of Tensor Product Of Graphs | International Journal of Research in advent technology | 7(3) | 2019 | 1264-1266 [ISSN:2321-9637, Impact Factor- 5.153]. |

**Workshops:**

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| **Sl.no** | **Name** | **Organized By** | **Date** |
| 01 | Applied Mathematics using MATLAB | Department of Mathematics and ECE | 25th-26th Jul 2019 |
| 03 | Graph Coloring and Algebraic Graph Theory | Pondicherry University, Puducherry | 6th - 10th Mar 2018 |
| 04 | Society, Research and Development | Karnataka Research Scholars Association, Dharwad | 19th Feb 2018 |
| 05 | Research Writing Skills and Plagiarism | Karnataka Research Scholars Association, Dharwad | 3rd Feb 2017 |

**Presented research articles in the International Confrences:**

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| --- | --- | --- | --- |
| **Sl.no** | **Name** | **Organized By** | **Date** |
| 01 | International conference on Number theory and Graph Theory | Department of studies in Mathematics, University of Mysore, Mysuru | 27th-29th Jun 2019 |
| 02 | 84th Annual Conference of Indian Mathematical Society, An International Meet | Shri Mata Vaishno Devi University, Katra,  Jammu and Kashmir | 27th-30th 2018 |
| 03 | International Conference on Discrete Mathematics and its Application to Network  Science (ICDMANS-2018) | Department of Mathematics, Birla  Institute of Technology and Science, Pilani, K K Birla Goa Campus, Goa | 7th-10th Jul 2018 |

**Presented research articles in the National Confrences:**

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| --- | --- | --- | --- |
| **Sl.no** | **Name** | **Organized By** | **Date** |
| 01 | National Conference on Multi-Disciplinary Research | Government First Grade College, Kalaghatagi, Dharwad | 15th Mar 2019 |
| 02 | UGC Sponsored National conference on Analysis and Its Application- NCAA- 2019 | Department of Mathematics, Karnataka University, Dharwad | 1st-2nd Mar 2019 |
| 03 | 11th Annual KSTA Conference on New Vistas in Science and Technology for Common Good | Karnataka Science and Technology Academy and NMKRV College for Women, Banglore | 1st-2nd Feb 2019 |
| 04 | National Conference on Graph Theory and Discrete Mathematics-2018 | Department of Mathematics, Mangalore University, Mangalore | 5th–6th Feb 2018 |
| 05 | 10th Annual Conference of Karnataka Science and Technology Academy-2018 | Karnataka Science and Technology Academy and REVA University, Bengaluru | 18th -19th Jan 2018 |
| 06 | National Conference on Recent Advances in Mathematical Sciences and Applications | Department of Studies and Research in Mathematics, Tumkur  University, Tumkuru | 1st-2nd Dec 2017 |
| 07 | UGC Sponsored National Conference on Analysis and Its Applications-(NCAA-  2017) | Department of Mathematics, Karnatak University, Dharwad | 15th-16th Mar 2017 |
| 08 | 9th KSTA Annual Conference on Science, Technology and Innovations in the  21st Century | Karnataka Science and Technology Academy  and Christ University, Bengaluru | 20th-21st Dec 2016 |

**Presented research articles in the Seminar:**

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| 01 | UGC Sponsored Two Days National Seminar on Recent Trends in Mathematics | Department of Mathematics, KLEs J. T. College, Gadag | 3rd-4th Mar 2017 |

**Mini Project: Graphs and its transformation**

**Description:** The operation of forming the graph valued functions of a graph is probably the most interesting operation by which one graph is obtained from another. The line graph, middle graph and complement of a graph are some examples of graph valued functions which have been defined on a collection of graphs. Moreover, graphs have been associated with entities which are not themselves graphs.

I solemnly declare that all the above information is correct to the best of my knowledge and belief.

**Bhagyashri R Doddamani**