FACULTY PROFILE

Prof. S. C. Shiralashetti
M.Sc., PGDCA, M.Phil, Ph.D
Professor,
P. G. Department of Studies in Mathematics,
Karnatak University, Dharwad-580003
Cell: 09986323159; 08073501595; 09448923152
E-mail:shiralashettisc@yahoo.com;
shiralashettisc@gmail.com; scshiralashetti@kud.ac.in
KARNATAKA, INDIA

Prof. Siddu Channabasappa Shiralashetti obtained B. Sc. (1997), M. Sc. (1999), PGDCA. (1999), M.Phil. (2000) and Ph.D. (2007) degrees from Karnatak University, Dharwad. Prof. S. C. Shiralashetti began his teaching career at S. D. M. College of Engineering and Technology, Dharwad-580006 in 14 Nov 2000 and there he worked as a Lecturer, Senior Grade Lecturer and Reader, served till 28th Feb 2009. Later, Prof. S. C. Shiralashetti moved on to Karnatak University's, Karnatak College, Dharwad - 580001, worked from 28th Feb 2009 as an Asst. Professor and served till 28th October 2013. Then he appointed as Associate Professor from 28th October 2013 in the P. G. Department of Studies in Mathematics, Karnatak University, Dharwad. Later he has been promoted as Professor from 28th October 2016. Currently, Prof. S. C. Shiralashetti is working in the P. G. Department of Studies in Mathematics, Karnatak University, Dharwad as a Professor.

Prof. S. C. Shiralashetti research work is interdisciplinary in nature and his Area of Research includes Numerical Analysis, Wavelet Analysis, Computational Fluid Dynamics, Wavelet Multigrid Methods, Differential Equations, Integral Equations, and Integro-Differential Equations.

Research Papers Published: 183 (In Journals = 156, In Proceedings = 27). Citations: 794, H-index: 14, i10 Index: 21, Major Research Projects Completed: UGC MRP-01 (Principal Investigator: Prof. S. C. Shiralashetti from 01-02-2010 to 01-02-2013): Project Title: Numerical Solutions of Different class of Equations and Signal Analysis Arise in Science & Engineering using Wavelets.

Prof. S. C. Shiralashetti has guided 09 Ph.D students and currently supervising 5 students for their Ph.D. work. He has Presented Research Papers in the conferences / Workshop: 53. Conference / Workshop / Orientation/Refresher course attended without presenting a paper: 47. Member of the Association/Academy/Parishat/Society: Life member: 04. Special Lectures Delivered: 22. Conference/Workshop organized as an

organizing secretary/coordinator/Member: 21. Chaired the session in the National and International Conferences: 17, Administrative Assignments completed: 25.

Prof. S. C. Shiralashetti has received some awards are: (1) Best Research Publications in Science-2019 Award from Karnatak University Dharwad, (2) Best Research Publications in Science-2017 Award from Karnatak University Dharwad, (3) Best Teacher Gem Award-2017 from Mathematics Association, Karnatak University Dharwad based on Talent Exhibition Competitions, (4) Best Research Publications in Science-2016 Award from Krnatak University Dharwad, (5) Best Teacher Gem Award-2016 from Mathematics Association, Krnatak University Dharwad based on Talent Exhibition Competitions, (6) Cash Award for Publications-2009 from SDME Society, Ujire based on Research Publications, (7) Best Teacher Award-2007 from SDME Society, Ujire based on students Feed Back, (8) Rajapuraskar Award-1991 from Governor of Karnataka as a Rajapuraskar Scout, (9) Rastrapathi Award-1992 from President of India as a Rastrapathi Scout, (10) NCC Best Cadet Award-1993 from Army Infantry unit Directorate Karnataka and Goa, Bangalore, (11) Ist Prize in Parade and Firing competition-1995 from company commandant 2/36 Karnataka Battalion NCC, (12) NCC "C" Certificate-1995 with 'A' grade from company commandant 2/36 Karnataka Battalion NCC, (13) NCC "B" Certificate-1994 with 'A' grade from company commandant 2/36 Karnataka Battalion NCC, (14) First Prize in Dist. Level Science Exhibition compitation-1990 from Govt. of Karnataka.

Academic ID'S						
ORCID-ID	**Researcher-ID**	**Scopus-ID**	**Google-Scholar-ID**	**Microsoft-Academic-ID**	**Vidwan ID**	**No. of Publications**
0000-0002-0938-6953	**ABF-3921-2021**	**15843873400**	**hmhiJjAAAAAJ**	**2674861631**	**240417**	**183**

Some Recent Publications	
Sl. No.	RESEARCH ARTICLES PUBLISHED IN JOURNALS
01	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi,** Numerical solution of linear and nonlinear elliptic partial differential equations using lifting scheme, ***Palestine Journal of Mathematics,*** Vol. 11 Issue 1, (2022), p345-353. 9p.
02	**S. C. Shiralashetti, S. I. Hanaji,** "Taylor wavelet collocation method for Benjamin–Bona–Mahony partial differential equations", ***Results in Applied Mathematics,*** 9, (2021), 100139, 1-16. [ISSN: 2590-0374], **Elsevier**.

03	**S. C. Shiralashetti, Lata Lamani,** "Numerical Solution of Stochastic Ordinary Differential Equations using Haar wavelet collocation method", ***Journal of Interdisciplinary Mathematics,*** (2021), 1-17, ISSN: 0972-0502 (Print), ISSN: 2169-012X (Online), **Taylor & Francis**. DOI: 10.1080/09720502.2021.1874085.
04	**S. C. Shiralashetti, S. I. Hanaji,** ''Hermite wavelet based numerical method for the solution of two parameters singularly perturbed non-linear Benjamina-Bona-Mohany partial differential equation'', ***Scientific African***, 12 (2021) e00770, 1-8, ISSN: [2468-2276], **Elsevier.**
05	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi,** "Wavelet lifting scheme for the numerical solution of dynamic Reynolds equation for micropolar fluid lubrication", ***International Journal of Computational Methods,*** VOL. 18, NO. 09, (2021), 2150033, 01-27.World Scientific Pub. Comp. Press. https://doi.org/10.1142/S021987622150033X.
06	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi,** "New wavelet-Galerkin method for the numerical solution of Helmholtz equation", ***Palestine Journal of Mathematics,*** Vol. 10(2) (2021), 732–739.
07	**S. C. Shiralashetti, Lata Lamani,** "Fibonacci wavelet based numerical method for the solution of nonlinear Stratonovich Volterra integral equations", ***Scientific African***, 10, (2020), e00594, [E-ISSN: 2468-2276], **Elsevier.**
08	**S. C. Shiralashetti, S. Kumbinarasaiah,** "Laguerre Wavelets Exact Parseval Frame-based Numerical Method for the Solution of System of Differential Equations", ***International Journal of Applied and Computational Mathematics,*** 6:101, (2020), 01-16, **Springer.**
09	**S. C. Shiralashetti, L. M. Angadi, A. B. Deshi,** "Numerical Solution of Some Class of Nonlinear Partial Differential Equations Using Wavelet-Based Full Approximation Scheme", ***International Journal of Computational Methods,*** 17 (06), (2020), 1950015.
10	**S. C. Shiralashetti, S. Kumbinarasaiah,** "Some results on Shannon wavelets and wavelets frames", ***International Journal of Applied and Computational Mathematics, 5(1), 10, (2019), 01-15,*** **Springer.**
11	**S. C. Shiralashetti, S. Kumbinarasaiah,** Hermite Wavelets Method for the Numerical Solution of Linear and Nonlinear Singular Initial and Boundary Value Problems, ***Computational methods for differential equations, 7(2), (2019),177-198,*** **Springer.**
12	**S. C. Shiralashetti, S. Kumbinarasaiah,** "Laguerre wavelets collocation method for the numerical solution of the Benjamina–Bona–Mohany equations", ***Journal of Taibha University for Science, 13(1), (2019), 09-15,*** **Taylor and Francis.**
13	**S. C. Shiralashetti, S. Kumbinarasaiah,** "Some results on Shannon wavelet packets", ***Journal of Information and Computing Science,*** **14 (3), (2019), 211-216.**
14	**S. C. Shiralashetti, L. M. Angadi, A. B. Deshi,** "Biorthogonal wavelet-based multigrid and full approximation scheme for the numerical solution of parabolic partial differential equations", ***Asian-European Journal of Mathematics,*** **12 (04), (2019), 1950054.**
15	**S. C. Shiralashetti, S. Kumbinarasaiah,** "New Generalized Operational Matrix of Integration for Nonlinear Singular Initial and Boundary Value Problems Using Hermite Wavelets", ***Arab Journal of Basic and Applied Sciences",*** **26(1), (2019), 385–396.**
16	**S. C. Shiralashetti, M. H. Kantli,** "Wavelet based decoupled method for the investigation of surface roughness effects in elastohydrodynamic lubrication problems using couple stress fluid", ***AIN Shams Engineering Journal, 9,*** **(2018), 757–766, Elsevier.**
17	**S. C. Shiralashetti, A. B. Deshi,** "The numerical solution of singular initial value problems using Chebyshev wavelet collocation method", ***AIN Shams Engineering Journal,*** **9 (2018) 1451–1456, Elsevier.**
18	**S. C. Shiralashetti, S. Kumbinarasaiah,** "Hermite wavelets operational matrix of integration for the numerical solution of nonlinear singular initial value problems", ***Alexandria Engineering Journal,*** **57 (2018), 2591-2600, Elsevier.**

19	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi**, "A new wavelet multigrid method for the numerical solution of elliptic type differential equations", ***Alexandria Engineering Journal*****, 57, (2018), 203-209**, **Elsevier.**
20	**S. C. Shiralashetti, S. Kumbinarasaiah,** "Cardinal B-spline wavelet based numerical method for the solution of generalized burgers-huxley equation", ***Int. J. Appl. Comput. Math.*****, 4(2), 73, (2018),** ***1-13***, **Springer.**
21	**S. C. Shiralashetti, S. Kumbinarasaiah**, "Theoretical study on continuous polynomial wavelet bases through wavelet series collocation method for nonlinear lane-Emden type equations", ***Applied Mathematics and Computation*****, 315, (2017), 591-602**, **Elsevier.**
22	**S. C. Shiralashetti, S. Kumbinarasaiah,** "Some Results on Haar Wavelets Matrix through Linear Algebra", ***Wavelets and Linear Algebra, 4(2), (2017), 49-59*****, Vali-e-Asr University of Rafsanjan.**
23	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi and P. B. Mutalik Desai,** "A modified wavelet multigrid method for the numerical solution of boundary value problems", ***Journal of Information and Optimization Sciences*****, 38 (1), (2017) 151-172, Taylor and Francis.**
24	**S. C. Shiralashetti, A. B. Deshi,** "An efficient Haar wavelet collocation method for the numerical solution of multi-term fractional differential equations", ***Nonlinear dynamics*****, 83, (2016) 293–303, Springer, IF-3.00.**
25	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi,** "New wavelet based full-approximation scheme for the numerical solution of nonlinear elliptic partial differential equations", ***Alexandria Engineering Journal*****, 55, (2016), 2797-2804, Elsevier.**
26	**S. C. Shiralashetti, A. B. Deshi, P. B. Mutalik Desai,** "Haar wavelet collocation method for the numerical solution of singular initial value problems", ***AIN Shams Engineering Journal*****, 7, 663–670, (2016), Elsevier**.
27	**N. M. Bujurke, S. C. Shiralashetti, C. S. Salimath,** "An Application of Single Term Haar Wavelet Series in the Solution of non-linear oscillator Equations", ***Journal of computational and Applied Mathematics*****,** 227, **(2010)** 234-244**, Elsevie**r.
28	**N. M. Bujurke, S. C. Shiralashetti, C. S. Salimath,** "Numerical solution of stiff systems from non-linear dynamics using single term haar wavelet series", ***Nonlinear Dynamics*****, 51(2008) 595-605, Springer, IF-3.00.**
29	**N. M. Bujurke, S. C. Shiralashetti, C. S. Salimath, "**Computation of eigenvalues and solutions of regular Sturm-Liouville problems using Haar wavelets**".** ***Journal of computational and Applied Mathematics***. 219, **(2008)**90-101, **Elsevie**r.
30	**N. M. Bujurke, C. S. Salimath, R. B. Kudenatti, S. C. Shiralashetti,** "A Fast Wavelet-Multigrid method to solve elliptic partial differential equations", ***Applied Mathematics and Computation***.185, **(2007),** 667-680, **Elsevie**r.
31	**N. M. Bujurke, C. S. Salimath, R. B. Kudenatti, S. C. Shiralashetti,** Wavelet-Multigrid analysis of squeeze film characteristics of poroelastic bearings", ***Journal of computational and Applied Mathematics***, 203, **(2007),** 237-248, **Elsevier.**
32	**N. M. Bujurke, C. S. Salimath, R. B. Kudenatti, S. C. Shiralashetti,** "Analysis of Modified Reynolds equation using Wavelet-Multigrid Scheme", ***An International Journal of Numerical Methods for Partial Differential Equations*****,** 23, **(2007),** 692-705., **John Wiley.**

FACULTY PROFILE

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M.Sc., PGDCA, M.Phil, Ph.D
Professor,
P. G. Department of Studies in Mathematics,
Karnatak University, Dharwad-580003
Cell: 09986323159; 08073501595; 09448923152
E-mail:shiralashettisc@yahoo.com;
shiralashettisc@gmail.com; scshiralashetti@kud.ac.in
KARNATAKA, INDIA

1. Name : Prof. Siddu C. Shiralashetti
2. Designation with Qualifications: Professor,
   M.Sc., PGDCA, M.Phil, Ph.D
3. Address: Department of Mathematics, Karnatak University, Dharwad-03
4. Areas of Specialization: Numerical Analysis, Wavelet Analysis, Computational Fluid Dynamics, Wavelet Multigrid Methods, Differential Equations, Integral Equations, and Integro-Differential Equations.
5. Papers Taught:
   a) **Theory Hours per Week** : 08 Hrs per Week.
   b) **Practical/Project Hours per Week** : 08 Hrs per Week.
6. Academic Guidance : Ph.D, M.Phil and M.Sc. Project Guidance.
7. Research Guidance: Ph.D. and M.Phil

Ph.D					
Sl. No.	Name of the student	Full time / Part time	Area of Research	Date of Registration	Date of Award / completion
01	**Prabhakar Baburao Mutalik Desai**	**Part time**	**Finite Element and Wavelet Based Numerical Methods and Their Applications**	**USNO:2SD08PGN O1 20-01-2009**	**Date of Award: 20-12-2016**
02	**Mounesha H. Kantli**	**Full time**	**A Study of Pure Wavelet and Wavelet Optimized Adaptive Methods for The Numerical Solution of EHL Problems**	**SC/12-13/70/474 30.04.2013**	**Date of Award: 27-03-2017**
03	**Aravind B. Deshi**	**Full time**	**A Study of Wavelet Theory and Its Applications To Solve Differential Equations**	**SC/12-13/70/473 30.04.2013**	**Date of Award: 27-03-2017**

04	Ravikiran A. Mundewadi	Full time	A Study of Wavelet Theory and Its Application to Solve Integral and Integro-Differential Equations	SC/12-13/70/475 30.04.2013	Date of Award: 21-07-2017
05	Lingaraj Mahadevappa Angadi	Part time	Wavelet Collocation and Galerkin Methods for The Numerical Solution of Partial Differential Equations	SC/12-13/70/481 30.04.2013	Date of Award: 21-01-2019
06	Kumbinarasaiah S.	Part time	Some Recent Advances in Wavelet Theory and Its Applications	No.: SC/14-15/01/649 & Date: 02/03/2015	Date of Award: 24-10-2019
07	Basavaraj Hoogar	Part time	Wavelet Analysis and Its Applications on Delay Equations, Signal and Image Processing	No.: SC/15-16/800 & Date: 22/03/2016	Date of Award: 01-10-2021
08	Miss. Lata Lamani	Full-Time	Recent Developments in Wavelets Based Numerical Methods for the Solution of Stochastic Equations	No.: SC/16-17/838 & Date: 26/12/2016	Date of Award: 10-07-2021
09	Praveenkumar Badiger	Full-Time	A Study of Wavelet Theory and Its Applications to Solve Lubrication Problems	No.: SC/17-18/899 & Date: 05/12/2017	Ongoing
10	Savita Hanaji	Full-Time	A Study of Wavelet Analysis and Its Applications to Solve Some Class of Equations	No.: SC/17-18/902 & Date: 05/12/2017	Date of Award: 29-10-2021
11	Harishkumar E.	Full-Time	A Study of Wavelet Theory And Its Applications to Solve Heat and Mass Transfer Problems	No.: SC/18-19/960 & Date: 04/12/2018	Ongoing
12	Abhishek Sangolli	Full-Time	A Study of Wavelet Theory and Its Applications to Solve Lubrication and Micropolar Fluid Flow Problems	Ph.D Provisional Registration No.: SC/2019-20/1069 & Date: 07/12/2019	Ongoing
13	Priyanka Kulkarni	Full-Time	A Study of Wavelet Theory and Its Applications to Solve Dusty Fluids and Heat Transfer Through FINS Flow Problems	Ph.D Provisional Registration No. SC/2019-20/1085 & Date: 07/12/2019	Ongoing
14	Vinayak Ramappa Pala	Full-Time	Studies on Wavelet Theory and Its Applications to Solve Nanofluid Flow Problems	Ph.D Provisional Registration No. SC/2020-21/1137 & Date: 05/04/2021	Ongoing

Details of Completed / Ongoing Research Projects

Sl. No.	Title of the Research Project	Funding Agency	Duration	Amount Sanctioned (in Lakhs)
01	**Numerical Solutions of Different class of Equations and Signal Analysis Arise in Science & Engineering using Wavelets**	**UGC-MRP Vide letter F. No.38-102 / (2009SR) Dated 19th Dec 2009.**	**3 years from 01-02-2010 To 01-02-2013**	**Rs. 8, 88,448/-**
02	**Wavelet based Numerical Solutions of Differential Equations**	**MRP Proposal Submitted to UGC-MRP**	**Jan-2021**	**Rs. 13,43,750/-**

PUBLICATIONS

Details of Papers Published in Peer Reviewed Journals

LIST OF RESEARCH PAPERS PUBLISHED IN INTERNATIONAL AND NATIONAL JOURNALS AND PROCEEDINGS:183

Sl. No.	RESEARCH ARTICLES IN PRESS (ACCEPTED FOR PUBLICATION): 03
01	**S. C. Shiralashetti, Lata Lamani,** "A novel third kind Chebyshev wavelet collocation method for the numerical solution of stochastic fractional Volterra integro-differential equations", ***TWMS Journal of Applied and Engineering Mathematics, (2020),*** **(Isik University, Turkey),** [ISSN: 2146-1147, E-ISSN: 2587-1013], (International), **(UGC Care-Scopus Source List, UGC Care-Science Citation Index Expanded**).
02	**S. C. Shiralashetti, Lata Lamani,** "Bernoulli Wavelets Operational Matrix Method for the Numerical Solution of Nonlinear Volterra Integral Equations", ***IAENG International Journal of Applied Mathematics, (2020),*** (International Association of Engineers), [ISSN: 1992-9978, E-ISSN: 1992-9986], (International), ***(UGC Care-Scopus Source List).***
03	**S. C. Shiralashetti, Lata Lamani,** "Müntz-Legendre wavelets stochastic operational matrix of integration and its applications for solving stochastic quadratic integral equations", ***Khayyam Journal of Mathematics, (2020),*** (Tusi Mathematical Research Group, Iran).
Sl. No.	RESEARCH ARTICLES PUBLISHED IN JOURNALS:153
01	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi,** Numerical solution of linear and nonlinear elliptic partial differential equations using lifting scheme, **Palestine Journal of Mathematics. 2022, Vol. 11 Issue 1, p345-353. 9p.**
02	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi,** "Wavelet lifting scheme for the numerical solution of dynamic Reynolds equation for micropolar fluid lubrication", ***International Journal of Computational Methods,*** **VOL. 18, NO. 09 (2021), 2150033, 01 - 27.** World Scientific Publishing Company Press. https://doi.org/10.1142/S021987622150033X.
03	**S. C. Shiralashetti, Lata Lamani,** "Nonlinear Quadratic Integral Equations Using Müntz-Legendre wavelets", ***Poincare Journal of Analysis & Applications, Vol. 8, No. 1(II) (2021), 69-89,*** (Poincare Publisher), [ISSN: 2349-6789, E-ISSN: 2349-6797], (National), **(UGC Care-Scopus Source List**). DOI: 10.33786/pjaa.2021.v08i01(ii).006.

04	**S. C. Shiralashetti, Lata Lamani**, "CAS wavelets stochastic operational matrix of integration and its application for solving stochastic Itô-Volterra integral equations", ***Jordan Journal of Mathematics and Statistics (JJMS)*, 14(3), (2021), pp 555 – 580.** (**Yarmouk University, Jordon**), [ISSN: 2075-7905, E-ISSN: 2227-5487], (International), (**UGC Care-Scopus Source List, UGC Care-Science Citation Index Expanded). DOI: https://doi.org/10.47013/14.3.12.**
05	**S. C. Shiralashetti, Lata Lamani,** "Numerical Solution of Stochastic Ordinary Differential Equations using Haar wavelet collocation method", ***Journal of Interdisciplinary Mathematics*, (2021), 1-17,** (**Taylor & Francis**), ISSN: 0972-0502 (Print), ISSN: 2169-012X (Online) (National), (**UGC Care-Scopus Source List, UGC Care-Science Citation Index Expanded**). **DOI : 10.1080/09720502.2021.1874085.**
06	**S. C. Shiralashetti, S. I. Hanaji,** ''Hermite wavelet based numerical method for the solution of two parameters singularly perturbed non-linear Benjamina-Bona-Mohany partial differential equation'', ***Scientific African***, 12 (2021) e00770, 1-8 Elsevier, ISSN: [2468-2276], International, (UGC Care- Scopus Sourse List).
07	**S. C. Shiralashetti, S. I. Hanaji**, ''Modified Laguerre Wavelet Method for the Numerical Solution of one Dimensional Klein-Gorden Equation'', ***International Journal for Innovative Research in Multidisciplinary Field***, *7(4) (2021), 185-192*, ISSN: [2455-0620] (UGC Care-List)**.**
08	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi,** "New wavelet-Galerkin method for the numerical solution of Helmholtz equation", ***Palestine Journal of Mathematics*,** Vol. 10(2) (2021), 732–739.
09	**S. C. Shiralashetti, Lata Lamani,** "A Modern Approach for solving Nonlinear Volterra Integral Equations using Fibonacci Wavelets", **Electronic Journal of Mathematical Analysis and Applications**, 9(2), (2021), 88-98, (Alexandria University, Egypt), [E-ISSN: 2090-729X], (International), (**UGC CARE-GROUP-I**).
10	**S.C. Shiralashetti, B.S.Hoogar,** "Solving Fractional Delay Integro-Differential Equations by Chebyshev Wavelets**",** ***International Journal of Mathematics Trends and Technology***, Vol.67(7), 158-168, (2021). **ISSN: 2231 – 5373 /doi:10.14445/22315373/IJMTT-V67I7P519.**
11	**S.C. Shiralashetti, B.S.Hoogar,** "An Efficient Numerical Technique for the Fractional Delay Differential Equations via Müntz-Legendre Wavelets", ***GIS Science Journal,*** Vol.8(7),2319-2332,(2021), (**UGC-Care Group-II and Scopus Active Journal**).
12	**S. C. Shiralashetti, S. I. Hanaji,** "Taylor wavelet collocation method for Benjamin–Bona–Mahony partial differential equations", ***Results in Applied Mathematics*, 9 (2021) 100139, 1-16.** (**Elsevier**), [ISSN: 2590-0374], (International), (**UGC Care-Scopus Source List)**.
13	**S. C. Shiralashetti, Lata Lamani,** "Bernoulli wavelets operational matrices method for the solution of nonlinear stochastic Itô-Volterra integral equations", ***Earthline Journal of Mathematical Sciences***, 5(2), (2021), 395-410, (Earthline Publishers), [**ISSN (Online): 2581-8147**], (National).
14	**S. C. Shiralashetti, S. I. Hanaji,** "Bernoulli wavelets collocation method for the solution of delay differential equations'', ***International Journal of Management, Technology and Engineering,*** *Volume XI, Issue IV, (2021), 124-132*, ISSN: [2249-7455] (UGC Care- List)**.**
15	**S. C. Shiralashetti, Lata Lamani,** "Bernstein polynomial multiwavelets operational matrices method for the numerical solution of system of linear Stratonovich Volterra integral equations", **Journal of Scientific Research**, 65(1), (2021), 283-289, (Institute of Science, Banaras Hindu University), [ISSN: 0447-9483], (National), (**UGC CARE-GROUP-I**).

16	**S. C. Shiralashetti, Lata Lamani,** "Boubaker Wavelets for solving Abel's integral equations", ***Mathematical Forum,*** Vol.28(2) (2020), (Dibrugarh University), [ISSN: 0972-9852], (National), (**UGC Care-Group-I**).
17	**S. C. Shiralashetti, Lata Lamani,** "Haar wavelet based Numerical method for the solution of Stochastic Integral Equations", ***Jñānābha***, 50(2), (2020), 49-58, (Vijñāna Parishad of India), [ISSN: 0304-9892, E-ISSN: 2455-7463], (National), (**UGC CARE-GROUP-I**).
18	**S. C. Shiralashetti, L. M. Angadi, A. B. Deshi,** "Lifting Scheme for the Numerical Solution of Fisher's Equations Using Different Wavelet Filter Coefficients", ***International Journal of Modern Mathematical Sciences,* 2020, 18(1): 11-30, ISSN: 2166-286X,** Florida, USA.
19	**S. C. Shiralashetti, M. H. Kantli, A. B. Deshi,** "Biorthogonal wavelet based multigrid method for the numerical solution of elliptic partial differential equations", ***International Journal of Computational Materials Science and Engineering***, Vol.9, No. 4, (2020), ***2050019-320,*** https://doi.org/10.1142/S2047684120500190.
20	**S. C. Shiralashetti, Lata Lamani,** "Fibonacci wavelet based numerical method for the solution of nonlinear Stratonovich Volterra integral equations", **Scientific African**, 10, (2020), e00594, (**Elsevier**), [E-ISSN: 2468-2276], (International), (**UGC Care-Scopus Source List)**.
21	**S. C. Shiralashetti, Lata Lamani,** "Taylor Wavelets Operational Matrix Method for the numerical solution of Stochastic Volterra-Fredholm Integral Equations", **Stochastic Modeling and Applications**, 24(2), (2020), 121-140, (MUK Publications and Distributions), [ISSN: 0972-3641], (National), (**UGC Care-Group-I**).
22	**S. C. Shiralashetti, Lata Lamani,** "A Modern Approach based on Bernstein Polynomial Multiwavelets to solve Fredholm Integral and System of Fredholm Integral Equations", ***South East Asian Journal of Mathematics and Mathematical Sciences, 16(3), (2020), 251-268,*** (Ramanujan Society of Mathematics and Mathematical Sciences), [ISSN: 0972-7752], (National), (**UGC Care-Group-I**).
23	**S. C. Shiralashetti, B. S. Hoogar,** "Modified Numerical Technique for the Solution of Fractional Delay differential Equations via Bernoulli Wavelets**", Global Journal of Pure and Applied Mathematics**, 16(6),851-869,(2020), (Research India Publications), [ISSN: 0973-1768, E-ISSN: 0973-9750], (National).
24	**S. C. Shiralashetti, B. S. Hoogar,** "Legendre Multiwavelet Method for the solution of Linear Fractional Time Delay Systems", **Journal of Computer and Mathematical Sciences**, 11(9), 52-60, (2020). [ISSN: 2319-8133 (Online)], ***International***
25	**S. C. Shiralashetti, S. Kumbinarasaiah,** "Laguerre Wavelets Exact Parseval Frame-based Numerical Method for the Solution of System of Differential Equations", ***International Journal of Applied and Computational Mathematics, 6:101, (2020), 01-16,*** Manuscript number, IACM-D-20-00139R3, **Springer. Citations: 04.** ***International***
26	**S. C. Shiralashetti, S. I. Hanaji, S. S. Naregal, "**Daubechies wavelet based numerical method for the solution of grease elastohydrodynamic lubrication problem**", *"AIP Conference Proceedings, 2246", 020029, (2020), 020029-1 - 020029-9*, AIP Publishing, USA. *International.***
27	**S. C. Shiralashetti, S. I. Hanaji, S. S. Naregal, "**Haar wavelet based numerical method for the solution of non-linear partial differential equation", ***"AIP Conference Proceedings, 2246", 020033, (2020), 020033-1 - 020033-6*, AIP Publishing, USA. *International.***
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41	**S. C. Shiralashetti, R. A. Mundewadi**, "Hermite Wavelet Collocation Method for the Numerical Solution of Integral and Integro-Differential Equations", ***Alexandria Engineering journal, (Elsevier),*** *(2017).*
42	**S. C. Shiralashetti, R. A. Mundewadi**, "Legendre Wavelet Collocation Method for the Numerical Solution of Integral and Integro-Differential Equations", ***International Journal of Computing Science And Mathematics, (Inder Science Publishers), (2017).***
43	**S. C. Shiralashetti, R. A. Mundewadi**, "Bernoulli Wavelet Collocation Method for the Numerical Solution of Integral and Integro-Differential Equations", ***Communications in Information and Systems, (International Press), (2017).***
44	**S. C. Shiralashetti, R. A. Mundewadi,** "Cosine and Sine (CAS) Wavelet Collocation Method for the Numerical Solution of Integral and Integro-Differential Equations", ***Romanian Journal of Pure And Applied Mathematics (Romanian Academy), (2017).***
45	**S. C. Shiralashetti, R. A. Mundewadi,** "Daubechies Wavelets Transform Method for the Numerical Solution of Integral and Integro-Differerntial Equations", ***Journal of Information & Optimization Sciences, (Taylor and Francis), (2017).***
46	**S. C. Shiralashetti, R. A. Mundewadi, Kumbinarasaiah S,** "Legendre Wavelet Collocation Method for the Numerical Solution of Weakly Singular Fredholm Integral Equations", ***International Journal of Applied and Computational Matheamatics, (Springer), (2017).***
47	**S. C. Shiralashetti, R. A. Mundewadi,** "Bernoulli Wavelet based Numerical Method for the Solution of Abel's Integral Equations of second kind", ***Journal of the Association of Arab Universities for Basic and Applied Sciences, (Elsevier), (2017).***
48	S. C. Shiralashetti, R. A. Mundewadi, Kumbinarasaiah S, "Hermite Wavelet based Numerical Method for the Solution of Abel's Integral Equations", **Journal of Taibah University for science (JTUSCI), (Elsevier)**, (2017).
49	**S. C. Shiralashetti, L. M. Angadi, A. B. Deshi** , "Daubechies Wavelet based Multigrid and Full Approximation Scheme for the Numerical Solution of Parabolic Partial Differential Equations***", International Journal of Modern Mathematical Sciences, (2017), (Modern Scientific press, USA)****,* *(2017).*
50	**S. C. Shiralashetti, L. M. Angadi, A. B. Deshi** , "Biorthogonal Wavelet Based Multigrid and Full Approximation Scheme for the Numerical Solution of Parabolic Partial Differential Equations***", Asian-European Journal of Mathematics, (2017), (World Scientific Press).***
51	**S. C. Shiralashetti, L. M. Angadi, A. B. Deshi** , "Numerical Solution of Burgers' Equation using Biorthogonal wavelet based full approximation scheme***", Journal of Computational Methods in Sciences and Engineering, (2017) (IOS press).***
52	**S. C. Shiralashetti, L. M.Angadi, A. B. Deshi** , "Wavelet based Lifting scheme for the numerical solution of some class of non-linear partial differential equations ***", Non-linear Dynamics, (2017), (Springer).***

53	**S. C. Shiralashetti, L. M.Angadi, A. B. Deshi** , "Wavelet based numerical solution of linear and non-linear parabolic partial differential equations using Lifting scheme ***", "Analysis in Theory and Applications", (2017), (Global Science Press).***
54	S. C. Shiralashetti, S. Kumbinarasaiah. Study of convergence of Laguerre wavelet based numerical method for initial and boundary value bratu-type problems, Gulf Jornal of Mathematics, (2017).
55	**S. C. Shiralashetti, S. Kumbinarasaiah.** Ultrasperical Wavelets Method for Solving PDE's arising in Fluid Dynamics, Fluids, **(2017).**
56	**S. C. Shiralashetti, S. Kumbinarasaiah.** Hermite Wavelets Generalized Operational Matrix of Integration for the Solution of Nonlinear Singular Initial and Boundary Value Problems, ***Applied and Computational Harmonic Analysis, (2017).***
57	**S. C. Shiralashetti, S. Kumbinarasaiah.** Laguerre wavelets based numerical method for the accurate solution of the Benjamina-Bona-Mohany type equations, ***Applied Mathematical Modelling, (2017).***
58	**S. C. Shiralashetti, S. Kumbinarasaiah**. Hermite Wavelet Based Numerical Method for the Solution of Linear and Nonlinear Delay Differential Equations, ***Alexandria Engineering Journal (Elsevier),***
59	**S. C. Shiralashetti, S. Kumbinarasaiah, R.A. Mundewadi,** Laguerre wavelet based numerical method for the solution of Abel's integral equations, ***Alexandria Engineering Journal (Elsevier),***
60	**S. C. Shiralashetti, S. Kumbinarasaiah, R.A. Mundewadi,** Hermite wavelet based numerical method for the solution of Abel's integral equations, ***Alexandria Engineering Journal (Elsevier), (2017).***
61	**S. C. Shiralashetti, S. Kumbinarasaiah, R.A. Mundewadi,** Legendre Wavelet Collocation Method for the Numerical Solution of Weakly Singular Fredholm Integral Equations, ***Alexandria Engineering Journal (Elsevier), (2017).***
62	**H. S. Ramane, S. C. Shiralashetti, S. Kumbinarasaiah, Raju Jummannanavar,** Solutions of differential equations using linearly independent Hosoya polynomials of Trees, ***communicated, (2017).***
63	**S. C. Shiralashetti, A. B. Deshi, P. B. Mutalik Desai, M. H. Kantli,** Finite Element Based Wavelet Multigrid Method For the Numerical Solution of Elliptic Partial Differential Equations, ***Applied Mathematical Modelling, (2015), Elsevier, International.***
64	**S. C. Shiralashetti, P. B. Mutalik Desai, Sharada S. Naregal,** An Application of Finite Difference Based Wavelet Multigrid for the Numerical Solutions of Typical Elliptic PartialDifferential Equations with Constant Coefficients Arising in Fluid Dynamics, ***Journal of Complexity, (2015, Elsevier, International.***
65	**S. C. Shiralashetti, P. B. Mutalik Desai, Sharada S. Naregal,** Fast Wavelet Based Multigrid Method For the Numerical Solution of Elliptic Partial Differential Equation with Variable Coefficients in Fluid Dynamics, ***International Journal of Mathematics–In-Industry-Case study, (2015), Springer, International.***
66	S. C. Shiralashetti, A. B. Deshi, P. B. MutalikDesai, R. A. Mundewadi, finite element wavelet transform method for the numerical solution of equations, ***Open Journal of Applied and Theoretical Mathematics (OJATM), (2015).***
67	**S. C. Shiralashetti, M. H. Kantli, B. Veeresh, Sharada S. Naregal,** Discrete Wavelet Transform Method for the Numerical Solution of Elastohydrodynamic Lubrication Problems, ***Journal of Computational Analysis and Applications, Springer, Communicated for publication (2015).***
68	**S. C. Shiralashetti, B. Veeresh, Sharada S. Naregal,** Haar Wavelet Collocation Method for the Numerical Solution of Non-linear Parabolic Partial Differential Equation, ***Applied Numerical Mathematics, Elsevier, Communicated for publication, (2015).***
69	**S. C. Shiralashetti, B. Veeresh, Sharada. S. Naregal, S. G. Bhavi,** "Full multigrid method for the numerical solution of boundary value problems with constant coefficients arising in fluid dynamics", **Applied Mathematics and Computation, Elsevier, Communicated for publication, (2015).**
70	**S. C. Shiralashetti, B. Veeresh, Sharada. S. Naregal, S. G. Bhavi,** "Full multigrid method for the numerical solution of integral equations arising in fluid dynamics", ***Journal of computational and Applied Mathematics, Elsevier, Communicated for publication, (2015).***

71	**S. C. Shiralashetti, B. Veeresh, Sharada. S. Naregal, S. G. Bhavi,** "Wavelet multigrid method for the numerical solution of boundary value problems with variable coefficients arising in fluid dynamics", ***Applied Numerical Mathematics, Elsevier, Communicated for publication (2015).***
72	**S. C. Shiralashetti, B. Veeresh, Sharada. S. Naregal, S. G. Bhavi,** "Wavelet permutation multigrid method for the numerical solution of typical elliptic differential equations arising in fluid dynamics", ***Journal of Computational Analysis and Applications, Springer, Communicated for publication, (2015).***
73	**S. C. Shiralashetti, B. Veeresh, Sharada. S. Naregal, S. G. Bhavi,** "Wavelet permutation multigrid method for the numerical solution of non-linear elliptic partial differential equations arising in fluid dynamics", ***Applied Mathematics and Computation, (2015), Elsevier.***

TOTAL GOOGLE SCHOLAR CITATION INDICES FOR RESEARCH PUBLICATIONS		
h-index	Total No. of Citations	i10-index
14	794	21

MEMBER OF THE ASSOCIATION/ACADEMY/PARISHAT/SOCIETY (WITH DETAILS)

Sl. No.	MEMBERSHIP: 04
01	**Life Member: INDIAN SOCIETY OF INDUSTRIAL & APPLIED MATHEMATICS, New Delhi, India. Membership N0:S27.**
02	**Life Member: The Indian Science Congress Association, Ahmedabad, India. Membership N0: 000597.**
03	**Life Member: Indian Mathematical Society, Established: 1907, Registration No. S-550, Delhi.**
04	**Lifetime Member: Ramanujan Mathematical Society (Registration No, 64/1 98b, Tiruchirappaili, India). Membership No.: 1595, Type: Lifetime, Issue Date: 28/9/2020.**

Details of Papers Presented and Participation in Conferences / Seminars / Workshops / Symposia

Research Papers Presented in National & International Conferences: 53

Sl. No.	Details of Papers Presented
01	Participated and Presented a research article entitled, ''Haar Wavelet Algebraic Multigrid Method for the Numerical Solution of Squeeze Film Lubrication Problem of Porous Journal Bearings with couple stress fluid", in the **''27th International Conference of International Academy of Physical Sciences (CONIAPS-XXVII) on Fluid Mechanics and Its Industrial Applications, (Online)'',** held during **26** – 28, October – 2021, Organized by the P. G. Department of Mathematics, Kuvempu University, Shankarghatta, **Shivamoga.** 395007, Karnataka, India.

02	Participated and Presented a research article entitled, ‘‘Hermite Wavelet Method for the Numerical Solution of Benjamina-Bona-Mohany Partial Differential Equation”, in the **‘‘International Conference on Mathematical Sciences (ICMS-2021) – Online’’,** held during 07 – 09, October – 2021 at the, Applied Mathematics and Humanities Department, Sardar Vallabhbhai National Institute of Technology, Surat 395007, Gujarat, India.
03	Participated and Presented a research article entitled, ‘‘Application of Bernoulli wavelets based collocation method to system of fractional ordinary differential equations”, in the **‘‘International Conference on Applied Mathematical Models – Online’’,** held during 07- 09, January 2021 at the Department of Mathematics, PSG College of Technology, **Coimbatore,** Tamil Nadu, India.
04	Participated and Presented a research article entitled, “Numerical solution of nonlinear singular integral equations using Euler wavelets operational matrix method”, in the **‘‘International Conference on Mathematical Analysis and Applications – online’’,** held during 02 – 04, November 2020 at the Department of Mathematics, National Institute of Technology, **Jamshedpur.**
05	Participated and Presented a research article entitled, ‘‘Euler wavelet based numerical scheme for the solutions of parabolic partial differential equations”, in the **“International Conference On Advances in Applicable Mathematics”,** held during 21st & 22nd, February 2020 at the Department of Mathematics, Bharathiar University, **Coimbatore**-641 046, Tamil Nadu, India.
06	Participated and Presented a research article entitled “Daubechies Wavelet based Numerical Method for the Solution of Grease Elastohydrodynamic Lubrication Problem”, in the **“International Conference on Mathematical Sciences and Applications(ICMSA)**, held during August 9-11, 2019 at the Department of Mathematics, Gandhi Institute of Technology and Management **GITAM-Hyderabad**, Rudraram, Patancheru Mandal, Sangareddy District-502 329, Telangana State, India.
07	Participated and Presented a research article entitled “Haar Wavelet Filters Multigrid Method for the Solution of Non-linear Partial Differential Equation”, in the “**3nd International Conference On Management, Sciences, Engineering and Applications”** held during 20th , 21st and 22nd December 2018 at the Department of Mathematics, Baba Institute of Technology and Sciences, **Visakhapatnam**. Andrapradesh, India.
08	Participated and Presented a research article entitled ”Discrete Wavelet Transform Method For The Solution Of Elastohydrodynamic Lubrication Problems”, in the **“International Conference on Advances in Pure & Applied Mathematics”,** during Sept 06 – 08, 2018, held at the School of Mathematics, Madurai Kamaraj University, **Madurai,** Tamil Nadu, India.
09	Participated and Presented a research article entitled “Haar Wavelet based Numerical Method for the Solution of Non-Linear Boundary Value Problems Arising in Fluid dynamics”, in the “**2nd International Conference On Mathematical Sciences In Engineering Applications”** held during 22nd, 23rd and 24th December 2017 at the Department of Mathematics, Baba Institute of Technology and Sciences, **Visakhapatnam**. Andrapradesh, India.
10	“Lifting Wavelet Transform Method for the Numerical Solution of Partial Differential Equations Arising in Fluid Dynamics”, **“International Conference On Fluid Dynamics and Its Applications”,** held during July 12-14, 2017 at the Department of Mathematics, B. N. M. Institute of Technology (BNMIT), **Bengaluru**.
11	“Second Generation Discrete Wavelet Transform Method for the Numerical Solution of Partial Differential Equations Arising in Elasto-Hydrodynamic Lubrication Problems”, “**National Seminar on Differential Equations and Dynamical Systems”, held during 27&28th February-2017** Organized by the Department of Mathematics, Shivaji University, **Kolhapur.**
12	“Lifting-based Discrete Wavelet Transform Method for the Numerical Solution of Partial Differential Equations Arising in Fluid Dynamics”, “**20th Ramanujan Symposium and International Conference on Fourier Analysis and Wavelets (ICFAWL)”, held during 21-25 MARCH 2017,** Organized by the Department of Mathematics, Ramanujan Institute for Advanced Study in Mathematics (RIASM), University of Madras, **Chennai.**

13	”Modified Wavelet Multigrid Method for the Numerical Solution of Partial Differential Equation Arising in Fluid Dynamics”, **“A Three Day International Conference on Mathematical Sciences and Engineering Applications (ICMSEA-2016)”,** held during **December 23-25, 2016,** Organized by the Department of Mathematics, Baba Institute of Technology and Sciences BITS-Vizag, P.M. Palem, **Visakhpatbam**, Andhra Pradesh, India.
14	“Lifting Bi-Orthogonal Wavelet Transform Method For The Numerical Solution Of Non-Linear Partial Differential Equations Arising In Fluid Dynamics”, **“International Conference On Recent Advances In Theoretical & Computational Partial Differential Equations with Applications, held during December 05-09, 2016”,** organized by the Department of Mathematics, University Institute Of Engineering And Technology, Panjab University, **Chandigarh**, India.
15	”Wavelet Analysis and Its Applications to Solve Differential Equations Arising in Fluid Dynamics”, “**International Conference on Differential Geometry, Analysis and Fluid Mechanics (ICDGAFM-2016)”** to celebrate 40th year of its Academic Excellence, held during February 4th – 5th, 2016, Organized by the P. G. Department of Mathematics, Kuvempu University, Shankarghatta, **Shivamoga.**
16	“Discrete Wavelet Transform Method for the Numerical Solution of Elastohydrodynamic Lubrication Problems”, “**International Conference on the occasion of Silver Jubilee of the Indian Society of Industrial and Applied Mathematics (ISIAM)”,** held during 29-31 January, 2016”, Organized by the Department of Mathematics & ISIAM at Sharada University, Knowledge Park-III, **Greater Noida**, UP (Delhi NCR). India.
17	“Numerical Solution of Non-Linear Differential Equations Using a New Wavelet based Full-Approximation Scheme”,”**18TH International Conference of International Academy of Physical Sciences (CONIAPS XVIII) on Recent Trends in Physical Sciences”,** held on December 22-24, 2015”. Organized by the Department of Mathematics & Earth and Planetary, University of Allahabad, **Allahabad** 211002, UP. India.
18	”Discrete wavelet transform method for the numerical solution of non-linear partial differential equations arising in fluid dynamics”, “**International Conference on Mathematical Sciences [Mathematics, Statistics & Computer Science]”,** held on ***July 13-15, 2015,*** Organized by the Department of Mathematics, ***Sri Venkateswara University,*****Tirupati-***517502,*AP, India.
19	“Algebraic Wavelet Multigrid Solution of the Modified Reynolds equation Arising in Magnetohydrodynamic Lubrication Flow between Rough Plates”, “**International Conference on Applications of Fractals and Wavelets (ICAFW-2015) held on January 10–11, 2015”,** Organized by the Department of Mathematics, Amrita Vishwa Vidyapeetham-University, Amritanagar-Post, **Coimbatore**-64112, Tamil Nadu, India.
20	“An Efficient Haar Wavelet Based Numerical Method for Solving Non-linear Differential Equations”, “**23rd International Conference of Forum for Interdisciplinary Mathematics (IMSCT-2014- FIM XXIII)**”, during **December 18-20, 2014”,** Organized by the Department of Mathematical and Computational Sciences, National Institute of Technology, **Surathkal**, Karnataka, INDIA-575025.
21	”Fast Wavelet Based Block Jacobi Numerical Method for the Solution of Modified Reynolds Equation to study the Surface Roughness Effects on Squeeze Film Poroelastic Bearings”, **“19th Annual cum 4th International Conference of Gwalior Academy of Mathematical Sciences(GAMS)”** on “Advances in Mathematical Modeling to Real World Problems”, held on October 3-6, 2014, Organized by the Department of Applied Mathematics & Humanities Sardar Vallabhbhai National Institute of Technology, **Surat** – 395 007, Gujarat, India.
22	“A Fast Algebraic Wavelet Multigrid method for the Numerical solution of Nonlinear reaction-diffusion equations using the lifting technique”, “**National Conference on Recent Advances in Applied Mathematics,(NCRAAM-2014), held on September 11th & 12th, 2014”**, Organized by the P. G. Department of Mathematics, Gulbarga University, **Gulbarga.**
23	”Fast Algebraic Wavelet Multigrid method for the Numerical solutions of two-dimensional partial differential equations”, **“National Conference on Advances in Geometry, Analysis and Fluid Mechanics (ncagaf-2014), held on August 26th & 27th ,2014”,** Organized by the P. G. Department of Mathematics, Kuvempu University, **Shankarghatta, Shimoga.**

24	"Fast Wavelet based Block Jacobi Numerical Method for the Solution of Partial Differential Equation Arising in Fluid dynamics", **"International Conference on Emerging Trends in Mathematical Sciences (ICETMS-2014)",** held on July 25-26, 2014, organized by the P. G. Department of Mathematics, Vijayanagara Sri Krishnadevaraya University, **Bellary,** Karnataka, India.
25	"Applications of Wavelets in Science and Engineering", **"Faculty Development Programme on Wavelets & Applications"**, held on June 9-13, 2014, organized by the Department of Computer Science & Engineering, BLDEA's Dr. P. G. H. College of Engineering & Tech. Ashram Road, **Bijapur**-586103, (Karnataka).
26	"An application of the Daubechies Orthogonal Wavelets in Power system Engineering", "**National Conference on Recent Trends in Information Technology, NCRAIT – 2014"**, held on February, 15 – 16, 2014, organized by the Department of Computer Applications, Solapur University, **Solapur**– 413 255.
27	"Wavelet Based Numerical Solutions of the Singular Boundary Value Problems of Differential Equations", "**Two Days UGC Sponsored National Level Seminar *on* Numerical Analysis and Its Applications on 10th and 11th January, 2014"**, Organized by, Department of Mathematics, Gokhale Centenary College, **Ankola**-581314, in association with Department of Mathematics Karnatak Arts College, Dharwad.
28	"Lifting Bi-Orthogonal Wavelet based Algebraic Multigrid Method Numerical Solution of the Sine-Gordon Equation", "**79th Annual Conference of Indian Mathematical Society 28th December2013 to 31st December 2013"**, Organized by Rajagiri School of Engineering & Technology, Kakkanad, Ernakulam Dist., **Cochin** 682039, Kerala.
29	"Lifting Orthogonal Wavelet based Algebraic Multigrid Method Numerical Solution of the Burgers Equation", **"National Conference On Dynamical Systems- 2013, Sponsored by UGC-DST held on 23-24 December 2013"**, Organized by, P. G. Department of Mathematics, Shivaji University, **Kolhapur** 416004. National.
30	"Wavelet based algebraic multigrid method for the numerical solution of the sine-gordon equation", DST and VTU sponsored **"International Conference on Mathematical Modelling and Numerical Simulation (ICMMANS-2013)",** held on July 01-03, 2013, Orgnized by B. B. A. Central University, **LUCKNOW**.
31	"Wavelet-based Algebraic Multigrid method to solve Fisher's equation using the Lifting Technique", "**UGC Sponsored National Seminar on Analysis and Applications (NSAA – 2013)** (Organised under UGC –SAP-DRS-II Program)", Organized by Dept of Mathematics, **Karnatak University Dharwad,** held on **22 nd & 23rd March 2013. National.**
32	Participated and presented a paper Entitled "Lifting Orthogonal and Biorthogonal Wavelet Transforms with Modified Thresholding Method for ECG Signal Denoising", "**UGC Sponsored National Seminar on Statistical Inference and Stochastic Modelling",** Organized by Dept of Mathematics, **Karnatak University Dharwad,** held on **15-16 March 2013. National.**
33	Participated and presented a paper Entitled "Wavelet based Algebraic Multigrid method for olving Non-linear Fitzhugh-Nagumo equation", **"National Seminar on Emerging Trends in Mathematics",** Organized by Dept of Mathematics, P. C. Jabin Science College, Autonomous, **Hubli,** held on **27th &28th Feb, 2013, National.**
34	Participated and presented a paper Entitled "Numerical Solutions of Non-linear Elliptic Partial Differential Equations using Orthogonal and Biorothogonal Wavelet Based Algebraic Multigrid Method", **"78th Annual Conference of the Indian Mathematical Society",** Organized by Dept of Mathematics and DST-Centre for Interdisciplinary Mathematical Sciences Faculty of Science, BHU, **Varanasi,** held on **22-25th January, 2013, National.**
35	Participated and presented a paper Entitled "Haar wavelet-packets series solution to the linear and nonlinear Integral equations", "**International Conference on Mathematics and Mathematical Sciences",** Organized by Mind Reader Publications, **New Delhi.,** held on **15-16th Dec-2012.**
36	Participated and presented a paper Entitled "Orthogonal and Biorothogonal Wavelet Based Algebraic Multigrid Method for the Solution of Elliptic Partial Differential Equations", In the **"11th Biennial International Conference of the Indian Society of Industrial and Applied Mathematics on" Emerging Mathematical Methods, Models and Algorithms for Science and Technology",** "Organized by Indian Society of Industrial and Applied Mathematics [ISIAM] & Dept. of Maths, Gautam Buddha University**, New Delhi.,** held on **15-16th Dec-2012.**
37	Participated and presented a paper Entitled "Fast Wavelet Multigrid Solution of the Modified Reynolds Equation of Magnetohydrodynamic Lubrication Flow between rough plates", In the

	"**International conference on Mathematics and Mathematical Sciences**", Organized by Serials Publications, **New Delhi,** held on **7-8th July, 2012.**
38	Participated and presented a paper Entitled "Bi-Orthogonal Wavelets & Its Applications in Signal Processing", In the **"National Workshop on Wavelets, Multiresolution and Multifractal Analysis in Earth, Ocean & Atmospheric Sciences-Current Trends**", Organized by Department of Earth sciences, Indian Institute of Technology, **Bombay**, held on **Feb, 29 – Mar, 02, 2012.**
39	Participated and presented a paper Entitled" Wavelet Based Algebraic Multigrid Method for the solution of Partial Differential Equations arising in Fluid Dynamics", In the "**International conference on Fluid dynamics and its Applications"** Organized by BNMIT, Bangalore, Dept. of Mathematics, BNM Institute of Technology, **Bangalore,** held on **July, 20-22- 2011.**
40	Participated and presented a paper Entitled **"**Time Domain Signal Denoising By Modified Haar and Modified Daubechies Wavelet Transform Thresholding", In the **"National Conference on Analysis and Applications of Mathematics",** Organized by Department of Mathematics Karnatak University, **Dharwad.** Held on **15-17 March 2011.**
41	Participated and presented a paper entitled" Effect of Couple Stresses on Squeeze Film Characteristics of Rough Poroelastic Bearings using Wavelet-Multigrid method", In the **"Workshop on Inverse problems and wavelets with Applications to real world systems on 14-08-2010 and International congress of Mathematics 2010 on Mathematics in Science and Technology",** 15-17 August 2010., Organized by Indian Society of Industrial and Applied Mathematics [ISIAM] & Sharada University. held at india habitat cente lodhi road, N**ew Delhi, International.**
42	Participated and presented a talk on, "Wavelet–Packets Series solution to the Fredholm and Volterra linear and non-linear Integral Equations", In the **"International conference on Modeling of Engineering and Technological Problems,(ICMETP &ISIAM-2009)",** held during 14-16 Jan **2009** at the BMAS College, **Keetham, Agra.** Uthar Pradesh, India **International**.
43	Participated and presented a talk on, "**An Overview of the Wavelet Theory & its Applications**", In the "**National Workshop** on "**Basics of Wavelets and its Applications**", held during 13th -15th March 2008 in the Dept of Mathematics and Computer Science. At Basaveshwar Engineering College **Bagalkot**. **National.**
44	Participated and presented a paper Entitled" **Rationalized Haar wavelet series solution to nonlinear Integral and Modified Integral Equations**"," **International conference** on **Functional analysis and its Applications"**, Held from 28-11-2007 to 1-12-07. in the Dept. of Mathematics **Nagercoil**-629003, **Kanniyakumari Dist**. Tamil Nadu, India. **International.**
45	Participated and presented a paper Entitled", "**Computation of Eigen Values and Solutions of Regular Sturm-Liouville Problems using Haar Wavelets**", in International conference on "**Industrial and Applied Mathematics**" on Certain Emerging Areas in Applicable Mathematics", during ,31-Mar.-03 April , **2007**, in the Dept of Mathematics Jammu University, **Jammu. International.**
46	Participated and presented a paper Entitled" **An application of Single Term Haar Wavelet Series Solution to Non-Linear Stiff Differential Equation Arising in Engineering**., "**National conference on Mathematical Methods and Applications",** Held during March 17-18, 2007. in the Dept. of Mathematics. Basaveswar Engg. College, **Bagalkot.**
47	Participated and presented a paper Entitled" **Applications of Wavelet Packets", "National conference on Analysis and Applications with special Emphasis on Algebra and Topology",** held during February 2-4, **2007**, Dept. Mathematics, KU, **Dharwad.**
48	Participated and presented a paper Entitled" **Numerical solution of non-linear stiff differential equations from fluid dynamics"**, in the **International Conference** on" **Frontiers in Fluid Mechanics**, (ICFFM-06)", ,held during oct 26-28,**2006,** in the Department of Mathematics, Bangalore University **Bangalore**. Karnataka – India. **International.**
49	Participated and presented a paper Entitled "**Analysis of modified Reynolds equation using Wavelet-Multigrid scheme**", in the **International Conference** on Application of " **Fluid Mechanics in Industry and Environment**", held during August 28-31 **2006"**, held in the INDIAN STATISTICAL INSTITUTE, ISI, **CALCUTTA**. Karnataka – India. **International.**

50	Participated and presented a paper Entitled "Single **Term Haar Wavelet series solution to non-linear stiff differential equations arising in Chemical reactions".** in **the "National Conference on " Instructional workshop on applications of Graph Theory in Chemistry"** held during March 27-31**, 2006** ", Mathematics Department of studies and Research in Mathematics, Karnatak University, **Dharwad.** Karnataka, India.
51	Participated and presented a paper Entitled "**Haar Wavelet series solution to Sturm Liouville Problems", i**n the "**National Conference** on **Recent Advances in Analysis and its Applicati ons",** held during March 22-24, **2006**, Department of studies and Research in Mathematics, Karnatak University, Dharwad**.** India.
52	Participated and presented a paper Entitled "***Haar Wavelet series solution to variational problems***" in the **International conference** on " **Advances in Applied Mathematics**" held during Feb: 24-26, 2005, in Department of studies and Research in Mathematics, Gulbarga University, **Gulbarga**-585106. India. **International.**
53	Participated and presented a paper Entitled ***"Role of Wavelets in Numerical analysis ",*** in the Platinum Jubilee workshop and Tenth Ramanujan symposium PJWTRS-2003,"***On Wavelet Analysis"***, held during March 17-19-2003, in the **Ramanujan Institute for Advanced study in Mathematics, University** of Madras, **Chepauk, Chenai** – 600005.

SPECIAL LECTURES DELIVERED / EXTENSION ACTIVITIES UNDERTAKEN BY THE TEACHERS: 22

Sl. No	Title	Place and Address	Date, Month, Year	Occasion
01	Wavelet Multigrid Method and Its Applications	P. G. Department of Mathematics, Shivaji University, **Kolhapur** 416004.	23-24 December-2013	National Conference on Dynamical Systems- 2013 Sponsored by UGC-DST
02	"Wavelet Based Numerical Solutions of Differential Equations"	Department of Mathematics, **Gokhale** Centenary College, **Ankola**-581314.	10^{th} and 11^{th} January, 2014	Two Days UGC Sponsored National Level Seminar *on* Numerical Analysis and Its Applications
03-06	"Modelling With Differential Equations:- Lecture –I Lecture-II Lecture –III Lecture-IV	Manasolass Auditorium, Karnatak University, **Dharwad.**	02-06-2014 TO 04-06-2014	Karnatak University, Dharwad, 100 KUMSBS Scholarships Training Programme **(B.Sc.-I and B.Sc.-II)**

07	"Applications of Wavelets in Science and Engineering"	Department of Computer Science & Engineering, BLDEA's Dr. P. G. H. College of Engineering. & Tech. Ashram Road**,** **Bijapur**-586103, (Karnataka)	June 9-13, 2014	One Week , ISTE-PTU Faculty Development Programme on WAVELETS & APPLICATIONS
08	"Fast Wavelet based Block Jacobi Numerical Method for the Solution of Partial Differential Equation Arising in Fluid dynamics"	P. G. Department of Mathematics, Vijayanagara Sri Krishnadevaraya University, **Bellary,** Karnataka, India.	July 25-26, 2014	International Conference on Emerging Trends in Mathematical Sciences (ICETMS-2014)
09	"Fast Algebraic Wavelet Multigrid method for the Numerical solutions of two-dimensional partial differential equations"	P. G. Department of Mathematics, Kuvempu University, Shankarghatta, **Shimoga.**	August 26th & 27th ,2014	National Conference on Advances in Geometry, Analysis and Fluid Mechanics (ncagaf-2014)
10	"A Fast Algebraic Wavelet Multigrid method for the Numerical solution of Nonlinear reaction-diffusion equations using the lifting technique"	P. G. Department of Mathematics, Gulbarga University, **Gulbarga.**	September 11th & 12th, 2014	National Conference on Recent Advances in Applied Mathematics, (NCRAAM-2014)
11	Wavelets and Its Applications in Fluid Dynamics	Department of Mathematics, Shivaji University, **Kolhapur**	27 Feb. 2015	National Level Popular lectures 2015 for Celebrating Mathematics day
12	"Wavelet Analysis and Its Applications to Solve Differential Equations Arising in Fluid Dynamics"	P. G. Department of Mathematics, Kuvempu University, Shankarghatta, **Shivamoga**.	February 4th – 5th, 2016	International Conference on Differential Geometry, Analysis and Fluid Mechanics (ICDGAFM-2016) to celebrate 40th year of its Academic Excellence
13	"Second Generation Discrete Wavelet Transform Method for the Numerical Solution of Partial Differential Equations Arising in Elasto-Hydrodynamic Lubrication Problems"	Department of Mathematics, Shivaji University, **Kolhapur**	27 & 28th February-2017	National Seminar on Differential Equations and Dynamical Systems

14	Daubechies Wavelet Analysis and Its Applications in Fluid Dynamics	Department of Mathematics, Tumkur University, **Tumkur**, Karnataka, India.	1st & 2nd December, 2017	National Conference on Recent Advances in Mathematical Sciences and Applications
15	Wavelet Analysis and Its Applications in Elastohydrodynamic lubrication	Department of Mathematics, Yashavanthrao Chavan Institute of Science, **Satara.**	Feb 26th & 27th, 2019	National Conference on Recent Developments in Pure & Applied Mathematics
16	Wavelet based Numerical Method for the solution of Fractional Differential Equations	Department of P. G. Studies and Research in Mathematics, Kuvempu University, Jnana Sahyadri, Shankaraghatta, **Shivamoga**	April 11th & 12th, 2019	National Conference on Recent Developments of Mathematics in Industrial Applications
17	Wavelets and Its Applications in Science and Engineering	Department of Mathematics, Sharnbasva University, **Kalaburagi**	30 ,31 August 2019 and 1 September 2019	"International Conference On Recent Trends In Science, Engineering, Business Studies, Humanities & Social Sciences", (ICSEBSHS-
18	Insight into Wavelets and Its Applications	Department of Mathematics, School of Mathematics and Computing Sciences**,** Rani Channamma University, **Belagavi**	10 - 11, December 2019	National Symposium on Pure and Applied Mathematics (NSPAM-2019)
19	Insight into Wavelet Analysis and Its Applications	Department of Mathematics, Bangalore University, Jnanabharathi Campus, **Bengaluru**-560 056, Karnataka, INDIA	28-29, February 2020	"International Conference on "Mathematics and Its Applications (ICMA-2020)"
20	Daubechies Wavelet Full-Approximation Scheme for the Numerical Solution of Nonlinear Volterra-Fredholm Integral Equations	Department of P. G. Studies and Research in Mathematics, Kuvempu University, Jnana Sahyadri, Shankaraghatta, **Shivamoga**	13th & 14th, March 2020	"National Conference on Industrial Applications of Mathematics and Its Developments (NCIAMD-2020)"
21	Febonacci wavelets based numerical approach for solving the typical nonlinear ordinary differential equations	Department of Applied Sciences, University Institute of Engineering and Technology (UIET), Panjab University, **Chandigarh**	28th TO 30th August 2020	International Conference on Integrated Interdisciplinary Innovations in Engineering" (ICIIIE-2020) – Online Virtual Conference

22	Haar Wavelet Theory and Its Applications in Fluid Mechanics	Department of P. G. Studies and Research in Mathematics, Kuvempu University, Jnana Sahyadri, Shankaraghatta, **Shivamoga**	26th To 28th , October 2021	27th International Conference of International Academy of Physical Sciences (CONIAPS-XXVII) on Fluid Mechanics and Its Industrial Applications, (Online)

Chaired the Session in the National and International Conferences: 17	
01	Two Days UGC **Sponsored National Level Seminar *on* Numerical Analysis and Its Applications on 10th and 11th January, 2014**, Organized by, Department of Mathematics, Gokhale Centenary College, Ankola-581314, in association with Department of Mathematics Karnatak Arts College, **Dharwad.**
02	**National Conference on Recent Trends in Information Technology, NCRAIT – 2014**, held on February, 15 – 16, 2014, organized by the Department of Computer Applications, Solapur University, **Solapur** – 413 255.
03	**National Conference on Recent Advances in Applied Mathematics, (NCRAAM-2014), held on September 11th & 12th, 2014,** Organized by the P. G. Department of Mathematics, Gulbarga University, **Gulbarga.**
04	**International Conference on Applications of Fractals and Wavelets (ICAFW-2015) held on January 10–11, 2015,** Organized by the Department of Mathematics, Amrita Vishwa Vidyapeetham-University, Amritanagar-Post, **Coimbatore-64112**, Tamil Nadu, India.
05	**International Conference on Differential Geometry, Analysis and Fluid Mechanics (ICDGAFM-2016), February, 4th- 5th 2016",** Organized by the P. G. Department of Mathematics, Kuvempu University, Shankarghatta, **Shivamoga.**
06	**National Seminar on Differential Equations and Dynamical Systems,** held during 27 & 28th February-2017, Organized by the Department of Mathematics, Shivaji University, **Kolhapur.**
07	**International conference on Fluid Dynamics and Its Applications, held during July 12-14, 2017** at the B. N. M. Institute of Technology (BNMIT), **Bengaluru.**
08	**National Conference on Recent Advances in Mathematical Sciences and Applications during 1st & 2nd December, 2017** at the Department of Mathematics, Tumkur University, **Tumkur,** Karnataka, India.
09	**International Conference on Advances in Pure & Applied Mathematics",** during Sept 06 - 08, 2018, held at the School of Mathematics, Madurai Kamaraj University, **Madurai,** Tamil Nadu, India.
10	**National Conference on Recent Developments in Pure & Applied Mathematics**, held during Feb 26th & 27th, 2019, at the Yashavanthrao Chavan Institute of Science, **Satara.**
11	**National Conference on Recent Developments of Mathematics in Industrial Applications**, held during April 11th & 12th, 2019, at the Department of P. G. Studies and Research in Mathematics, Kuvempu University, Jnana Sahyadri, Shankaraghatta, **Shivamoga.**
12	"**National Conference on Analysis and Its Applications" (NCAA-2019),** held during 1st & 2nd March 2019, Organized by the Department of Mathematics, Karnatak University, **Dharwad.**
13	**"International Conference On Recent Trends In Science, Engineering, Business Studies, Humanities & Social Sciences", (ICSEBSHS-2019),** held during 30 ,31 August 2019 and 1 September 2019, Organized by the Department of Mathematics, Sharnbasva University, **Kalaburagi.**

14	**"National Symposium on Pure and Applied Mathematics", (NSPAM-2019),** held during10 - 11, December 2019, Organized by the Department of Mathematics, School of Mathematics and Computing Sciences**,** Rani Channamma University, **Belagavi.**
15	**"International Conference on "Mathematics and Its Applications (ICMA-2020)",** held during 28-29, February 2020, Organized by the Department of Mathematics, Bangalore University, Jnanabharathi Campus, **Bengaluru**-560 056, Karnataka, India.
16	**"National Conference on Industrial Applications of Mathematics and Its Developments (NCIAMD-2020)",** held during 13th & 14th, March 2020, Organized by the Department of P. G. Studies and Research in Mathematics, Kuvempu University, Jnana Sahyadri, Shankaraghatta, **Shivamoga.**
17	**''27th International Conference of International Academy of Physical Sciences (CONIAPS-XXVII) on Fluid Mechanics and Its Industrial Applications, (Online)'',** held during **26** – 28, October – 2021, Organized by the P. G. Department of Mathematics, Kuvempu University, Shankarghatta, **Shivamoga,** Karnataka, India.

Conference / Workshop organized as an organizing secretary / coordinator / Member: 21	
01	**"State Level Two Days Workshop on Applications of Mathematics to Engineering and Industries"** On September 10th and 11th 2005, in the Shri. Dharmasthala Manjunatheshwara College of Engineering and Technology, Dhavalagiri, **Dharwad**-580002.
02	**Three Days Workshop on" Linear Algebra and Wavelet Transforms"** held during, 9th to 11th Dec 2006, in the Shri. Dharmasthala Manjunatheshwara College of Engineering and Technology, Dhavalagiri, **Dharwad**-580002.
03	**International colloquium on "Nanotechnology-Gateway to a promising Future",** held on July 8th and 9th, 2008 at Hotel Naveen**, H**ubli, Organized by the SDM College of Engineering and Technology, **Dharwad.**
04	"**One day workshop on Mathematical Modeling**", **Organized by** Department of Mathematics, Karnatak Arts College, **Dharwad**, held on **10th April 2011.**
05	**The Celebration of National Science day and Year of Mathematics-2012** & B.Sc. II, IV & VI Sem Students "Mathematics Quiz, Mathematical Modelling Exhibition & Paper Presentation Competitions" to select the **YOUNG SCIENTIST 2012** of KSCD, held on **28th Feb 2012** in the BBA Auditorium Karnatak ARTS College, Dharwad, **Organized by** Department of Mathematics, Karnatak Arts College**, Dharwad.**
06	**Workshop on "Applications of Mathematics In Science and Engineering**", Organized by Department of Mathematics, Karnatak Arts College, **Dharwad**, held on 22nd September 2012.
07	**Two Days UGC Sponsored National Level Seminar *on* Numerical Analysis and Its Applications on 10th and 11th January, 2014**, Organized by, Department of Mathematics, Gokhale Centenary College, Ankola-581314, in association with Department of Mathematics, Karnatak Arts College, **Dharwad.**
08	**"Special Lectures On "Fluid Dynamics", 25th January, 2014,** Organized by the P. G. Department of Mathematics, Karnatak University, **Dharwad.**
09	**Prof. H. B. Walikar, Endowment Lecture", 18th March 2014**, Organized by the P. G. Department of Mathematics, Karnatak University, **Dharwad.**
10	**Jointly organized "Special Lecture Series In Mathematics And Its Applications", 18th - 20th, SEPT 2014,** Karnataka Science and Technology, Bangalore, Department of Science and Technology, Government of Karnataka and Department of Mathematics, Karnatak University, **Dharwad.**
11	**National Conference on Geometry, Topology & Their Applications (NCGTA-2016),** held during 3rd and 4th August 2016**,** Organized by the Department of Mathematics, Karnatak University, **Dharwad.**
12	**National Seminar on Differential Equations and Dynamical Systems, held during, 27&28th February-2017,** Organized by the Department of Mathematics, Shivaji University, **Kolhapur.**

13	**National Conference on Analysis and Its Applications (NCAA-2017),** held during 15th & 16th March 2017, Organized by the Department of Mathematics, Karnatak University, **Dharwad.**
14	**National Conference on Analysis and Its Applications (NCAA-2018),** held during 9th & 10th March 2018, Organized by the Department of Mathematics, Karnatak University, **Dharwad.**
15	**National Conference on Recent Developments in Pure & Applied Mathematics,** held during Feb 26th & 27th, 2019, at the Yashavanthrao Chavan Institute of Science, Satara.
16	**National Conference on Analysis and Its Applications (NCAA-2019),** held during 1st & 2nd March 2019, Organized by the Department of Mathematics, Karnatak University, Dharwad.
17	**National Conference on Mathematics and Its Applications (NCMA-2019),** held during 7th & 8th November 2019, Organized by the Department of Mathematics, Karnatak University, Dharwad, under the joint auspices of Karnataka Science and Technology Academy(KSTA), Bengaluru.
18	**International Conference on Recent Trends in Graph Theory (ICRTGT-2020),** held during July 27-29, 2020, Organized by the Department of Mathematics, Karnatak University, Dharwad, India.
19	**Srinivasa Ramanujan Memorial Lecture Series - online,** held during December 22 - 24, 2020, Organized by the Karnataka Science and Technology Academy(KSTA), Bengaluru, Dept. of Science and Technology, Govt. of Karnataka, Associating colleges , Suvarna group of Institutions, Bengaluru and Pavate Institute of Mathematical Sciences, Department of Mathematics, Karnatak University, Dharwad, katnataka, India.
20	**Science Academies Lecture Workshop on Partial Differential Equations,** held during March 25 - 27, 2021, Organized by the Pavate Institute of Mathematical Sciences and Department of Mathematics, Karnatak University, Dharwad, Karnataka, India.
21	**Science Academies Refresher Course on Advanced Mathematics,** held during November 15 – 30, 2021, Organized by the Pavate Institute of Mathematical Sciences and Department of Mathematics, Karnatak University, Dharwad, Karnataka, India.

Conference, Workshop and Orientation Programme / Refresher Course Attended without Presenting a Paper: 47

Sl. No.	DETAILS
01	Participated in the "**3-Day Online Workshop on Advances in Applied Mathematics and Computational Methods",** held during **7th - 9th January, 2022,** Organized by the Department of Mathematics School of Advanced Sciences, VIT-AP University, Andhra Pradesh, India.
02	Participated in the **"Science Academies Lecture Workshop on Partial Differential Equations'',** held during March 25 - 27, 2021, Organized by the Pavate Institute of Mathematical Sciences and Department of Mathematics, Karnataka University, Dharwad, katnataka, India.
03	Participated in the **" Srinivasa Ramanujan Memorial Lecture Series" - online,** held during December 22 - 24, 2020, Organized by the Karnataka Science and Technology Academy(KSTA), Bengaluru, Dept. of Science and Technology, Govt. of Karnataka, Associating colleges , Suvarna group of Institutions, Bengaluru and Pavate Institute of Mathematical Sciences, Department of Mathematics, Karnatak University, Dharwad, katnataka, India.
04	Participated in the" **International Conference on Recent Trends in Graph Theory"(ICRTGT-2020),** held during July 27-29, 2020, Organized by the Department of Mathematics, Karnatak University, Dharwad, India.
05	Participated in the "National Conference on Mathematics and Its Applications" (NCMA-2019), held during 7th & 8th November 2019, Organized by the Department of Mathematics, Karnatak University, Dharwad, under the joint auspices of Karnataka Science and Technology Academy(KSTA), Bengaluru.
06	Participated in the "National Conference on Analysis and Its Applications" (NCAA-2019), held during 1st & 2nd March 2019, Organized by the Department of Mathematics, Karnatak University, Dharwad.
07	Participated in the "**Conference on Science and Technology in Kannada",** held at Karnatak University, Dharwad, during 23rd and 24th November 2018, Organized by the Karnataka

	Science and Technology Academy, Karnatak University and Dharwad Regional Science centre, **Dharwad**.
08	Participated in the " Capacity Building Workshop on " The Role of Skill Development in Higher Education", held at Karnatak University, **Dharwad, on 24-09-2018,** Organized by the KSHEC, Bengaloru, RUSA, MHRD, KUD.
09	Participated in the "National Conference on Analysis and Its Applications" (NCAA-2018), held during 9th & 10th March 2018, Organized by the Department of Mathematics, Karnatak University, **Dharwad.**
10	Participated in the **National Conference on Advances in Applied Mathematics** on 8th February, 2018, at the Department of Mathematics, University College of Science, Tumkur University, **Tumakuru**. Karnataka, India.
11	Participated in the "National Conference on Analysis and Its Applications" (NCAA-2017), held during 15th & 16th March 2017, Organized by the Department of Mathematics, Karnatak University, **Dharwad.**
12	"Participated in the "Science Academies Lecture Workshop on Computational Fluid Dynamics" held during **21st and 22nd October 2016,** Organized by the P. G. Department of Mathematics, Kuvempu University, Shankarghatta, **Shivamoga.**
13	Participated in the National Conference on Geometry, Topology & Their Applications (NCGTA-2016) held during **3rd and 4th August 2016,** Organized by the Department of Mathematics, Karnatak University, **Dharwad.**
14	Participated in the One day state Level Seminar on "Recent development in Mathematics", held on **12th March 2015,** organized by the Department of Mathematics, J.S.S, Banashankari Arts, Commerce and S.K.Gubbi Science College, Vidyagiri, Dharwad-580004.
15	Participated In the **Refresher Course in ICT Applications** (Multidisciplinary) scheduled from 19-02-2014 to 11-03-2014, **At UGC Academic Staff College, Karnatak University, Dharwad.**
16	Participated In the National Seminar on Recent Trends in Mathematics and It's Applications held on 28th & 29th January 2014, **Organized by** Department of Mathematics Gogte Institute of Technology", **Belgaum**, Karnataka.
17	Participated In the National Level Workshop on "LaTex and Its Applications", **Organized by** Department of Mathematics SK-SVMA College of Engineering & Technology**", Lakshmeshwar**, During 31st and September 1st , 2013.
18	Participated in the 3rd International Conference on Discrete Mathematics (ICDM-2013), Organized by Pavate Institute of Mathematical Sciences, **Dharwad**, During June 10-14, 2013.
19	Participated In the Workshop on "National Mathematical Year-2012(NMY-2012) Programme", **Organized by** Depart. of Mathematics, Karnatak University, **Dharwad**, held on **22nd Dec 2012**.
20	Participated In the Workshop on "**Applications of Mathematics In Science and Engineering**", **Organized by** Department of Mathematics, Karnatak Arts College, **Dharwad**, held on 22nd **September 2012.**
21	Participated In the **Refresher Course in ICT Applications in Teaching** (Multidisciplinary) scheduled from **30-07-2012 to 21-08-2012**, At K. H. Kabur Institute of Engineering, **Dharwad.**
22	Participated In the Workshop on "**Wavelets and its Applications**", Organized by PDPM Indian Institute of Information Technology, Design and Manufacturing **Jabalpur**, during **July 13-15, 2012.**
23	Participated In the **National Conference on Recent Developments in Mathematics,** Organized by P.G. Department of Mathematics, Kuvempu University, **Shivamogga,** during **4-5th May 2012.**
24	Participated In the **Three days Faculty Development Programme for Mathematics** Faculty of Undergraduate Colleges, Organized by P.G. Department of Mathematics, Karnatak University, **Dharwad,** during **March 18 to 20, 2012.**
25	Participated In **the Celebration of National Science day and Year of Mathematics-2012** & B.Sc. II, IV & VI Sem Students "Mathematics Quiz, Mathematical Modelling Exhibition & Paper Presentation Competitions" to select the **YOUNG SCIENTIST 2012** of KSCD, held on **28th Feb**

	2012 in the BBA Auditorium Karnatak ARTS College, **Dharwad, Organized by** Department of Mathematics, Karnatak Arts College, **Dharwad.**
26	Participated In the National Seminar on Photon and Ion Induced X-Ray Emission Spectroscopy(PIXS); Applications in Basic and Applied Science, Organized by Department of Physics, KUD, In collaboration with Nuclear Physics Division, BARC, **Mumbai,** held on **23-25, February, 2012.**
27	Participated In the Workshop on " Mathematics and Statistics Education in India", **Organized by** Department of Mathematics, Statistics and Computer Science, **KUD**, held on **10th January, 2012.**
28	Participated In the **National Seminar on " Status of Regional Languages in the Context of Globalization", Organized by** Karnatak Arts College, **Dharwad**, **held on 3rd January 2012.**
29	Participated In the **Refresher Course in ICT Applications** (Multidisciplinary) scheduled from 20-09-2011 to 10-10-2011, **At UGC Academic Staff College, Karnatak University, Dharwad.**
30	Participated In the **National Seminar on Partial Differential Equations and its Applications, Organized by** Department of Mathematics, G.S.S. College, **Belgaum,** held on **19-20 August 2011.**
31	Participated In the "**One day workshop on Mathematical Modeling**", **Organized by** Department of Mathematics, Karnatak Arts College, **Dharwad**, held on **10th April 2011.**
32	Participated In the **National workshop on "Analytical and Numerical solutions of Non-Linear Differential Equations".** Department of Mathematics, Amrita School of Engineering, **Bengaluru. 18th and 19th March 2011,** Amrita Deemed University, **Bengaluru.**
33	Participated in National Level workshop on Image Processing, Vision and Pattern Recognition. UGC & Karnatak University Dharwad. Dept of Computer Science, Karnatak University, Dharwad. & 29-30 March, 2010.
34	Participated in National workshop on Mathematical Models for Biofluid flows and Applications. DST & Sri Venkateswar University, Tirupati, A.P. Dept. of Mathematics, Sri Venkateshwar University, **Tirupati,** A.P. & 22-26 Jan 2010.
35	Participated In the **46th ORIENTATION PROGRAMME FROM 16.06.2009 TO 13.07.2009,** At UGC Academic Staff College, Karnatak University, **Dharwad.**
36	**State Level Conference on " Quality Enhancement in Higher Education in view of Globalization"** Held on 14th March 2009 at Kittel Science College, **Dharwad.**
37	**International colloquium on "Nanotechnology-Gateway to a promising Future",** held on July 8th and 9th, 2008 at Hotel Naveen**, H**ubli, Organized by the SDM College of Engineering and Technology**, Dharwad.**
38	Three Days Workshop on" **Linear Algebra and Wavelet Transforms**" held during, 9th to 11th Dec 2006, in the Shri. Dharmasthala Manjunatheshwara College of Engineering and Technology, Dhavalagiri, **Dharwad.**
39	One day seminar on "**PERSPECTIVES IN MATHEMATICS**", held on 10th Feb 2006, in the **Department of Studies in Mathematics, Karnatak University**, **Dharwad**-560 003.
40	Symposium on "**Applications of Engineering Mathematics**." Held on 10th Jan – 2006." In the Dept of Mathematics, **Gogte Institute of Technology Belgaum** – 590008.
41	State Level Two Days Workshop on "**Applications of Mathematics to Engineering and Industries**" On September 10th and 11th 2005,in the **Shri. Dharmasthala Manjunatheshwara College of Engineering and Technology, Dhavalagiri, Dharwad**-580002.
42	National Seminar on Recent Trends in Analysis and Applications, held during March18- 20, 2005, in the **Department of Mathematics, Karnatak University, Dharwad.**
43	Two days workshop on "**Mathematical Neuroscience** – An Introduction", held during,Jan,27-28,2005. in the Nonlinear Studies Group Department of Mathematics **Indian Institute of Science**, **Bangalore**, 560012.
44	Platinum Jubilee workshop and Tenth Ramanujan symposium PJWTRS-2003. ***On Wavelet Analysis***, held during March 17-19-2003, in the **Ramanujan Institute for Advanced study in**

	Mathematics, University of Madras, Chepauk, chenai – 600005.
45	**One day workshop on "Research Methodology"**, Organized by the Academic staff college, **Karnatak University, Dharwad** on January 31, 2000.
46	**Thrithiya Sopan Traing of Bharath scouts and Guides**, Karnataka, held during Aug,16-20 1991, **Kondaji Basappa training centre, Kondaji.**
47	**XXth STATE JAMBORETTE of Bharath Scouts and Guides, Karnatak,** held during, Dec, 26-31, 1990, in **Karnataka Regional Engineering College campus, Surathkal, Dakshin Kanad Dist.**

Awards / Rewards / Recognition if any (National and International)(with details)

AWARDS

Year	Name of the Award	Destination for which the award was made
27-02-2021	Best Research Publications In Science - 2019	**From Karnatak University Dharwad based on High quality Research Article with high Impact factor.**
04-05-2018	Best Research Publications In Science - 2017	**From Karnatak University Dharwad based on High quality Research Article with high Impact factor.**
23-04-2018	Best Teacher Gem Award - 2017	**From Mathematics Association, Krnatak University Dharwad based on Talent Exhibition Competitions.**
10-03-2017	Best Research Publications In Science - 2016	**From Karnatak University Dharwad based on High quality Research Article with high Impact factor**
08-09-2016	Best Teacher Gem Award - 2016	**From Mathematics Association, Krnatak University Dharwad based on Talent Exhibition Competitions**
26-01-2009	Cash Award for Publications	**From SDME Society (Based on Research Publications)**
25-07-2007	Ph.D Award (Mathematics)	**From Karnataka University Dharwad**
16-3-2007	Best Teacher Award	**From SDME Society(Based on students Feed Back)**
30-11-2000	M.Phil Award (Mathematics)	**From Karnataka University Dharwad**
7-11-1992	Rastrapathi Award	**From President of India(As a Rastrapathi Scout)**
1-4-1991	Rajapuraskar Award	**From Governor of Karnataka(As a Rajapuraskar Scout)**
16-10-1993	NCC Best Cadet Award	**From Army Infantry unit: Directorate Karnataka and Goa; Bangalore.**

7-6-1995	First Prize in Parade and Firing competition	**From comp. commandant 2/36 Karnataka Bn. NCC.**
1-5-1995	NCC "C" Certificate	**From comp. commandant 2/36 Kar Bn. NCC.**
1-5-1994	NCC "B" Certificate	**From comp. commandant 2/36 Kar Bn. NCC**
3-9-1990	First Prize	**From Govt of Karnataka Dist level Science Exhibition**

SERVICE GIVEN TO THE UNIVERSITY IN DIFFERENT CAPACITIES (Other than teaching and research) : 25

Sl. No.	DETAILS
01	**LIC Member: Regular Inspection of Cont. /Extn. In Affiliated Colleges of PG Courses in Gadag District (Batch-3) for the Year 2021-22,** under Karnatak University Dharwad-03.
02	**Chairman (PG-BOE-20-21- IV Sem August / Sepetember-2021),** Department of Mathematics, Karnatak University Dharwad-03.
03	**Chairman (PG-BOE-20-21- III Sem February–2021),** Department of Mathematics, Karnatak University Dharwad-03.
04	**LIC Member: Regular Inspection of Cont./ Extn. in Affiliated Colleges of UG (B.Ed. & BP.Ed.) and PG (M.Ed.) Courses in and around Dharwad and Haveri Districts for the academic Year 2020 - 21., under Karnatak University Dharwad-03.**
05	**LIC Member: Regular Inspection of Cont./Extn. In Affiliated Colleges of UG and PG Courses in and around Gadag District (Part – 2) for the academic Year 2020 – 21, under Karnatak University Dharwad-03.**
06	**LIC Member: Regular Inspection of Cont./Extn. In Affiliated Colleges of PG Courses in Karwar District for the Year 2020-21,** under Karnatak University Dharwad-03.
07	**LIC Member: Regular Inspection of Cont./Extn. In Affiliated Colleges of PG Courses in Gadag District for the Year 2019-20,** under Karnatak University Dharwad-03.
08	**Co-ordinator, Disability Resource Centre**, Karnatak University Dharwad, from 11 Aug 2017 onwards to till date.
09	**LIC Member: Regular Inspection of Cont./Extn. In Affiliated Colleges of PG Courses in Dharwad District for the Year 2016-17,** under Karnatak University Dharwad-03.
10	**Chairman (PG-BOE-IV Sem May / June 2017-18),** Department Of Mathematics, Karnatak University Dharwad-03.
11	**Chairman (PG-BOE-II Sem May / June 2016-17),** Department Of Mathematics, Karnatak University Dharwad-03.
12	**Co-ordinator for Central Valuation of P. G. Science II & IV Sem**. Examinations of May / June-2017, Karnatak University Dharwad-03.

13	**Chairman (PG-BOE-III Sem Dec/Jan 2016-17),** Department Of Mathematics, Karnatak University Dharwad-03.
14	**Chief Superintendent, M.A. (External-Sociology & Philosophy),** SCE-Examinations of June 2016, Karnatak University Dharwad-03.
15	**Chief Superintendent M.A. /M.Sc. Mathematics (CBCS & NON CBCS) syllabus,** IInd & IVth semester Theory examinations of June 2015.
16	**Chief Superintendent, M.A.(External- Sociology & Philosophy),** SCE-Examinations of June 2015.
17	**Vice-President Mathematics Association,** Department of Mathematics Karnatak University, Dharwad for two years for the academic years 2016-17 and 2017-18.
18	**Chairman, Gymkhana** Foot ball Department from 2009 to 2013 at KACD.
19	**PUC Admission committee member** from 2009 to 2013 at KACD.
20	**Chairman, PUC Result committee** from 2009 to 2013 at KACD.
21	**Chairman Ramanujan Study Circle,** Karnatak Science College, Dharwad from 2009 to 2012.
22	**Chairman Dr. D. C. Pavate Mathematics Study circle,** P. G. Dept of Mathematics, Karnatak Science College, Dharwad, from 2010 to 2014.
23	**Organizing committee member** 2012-13 **Convocation** at Karnatak University, Dharwad.
24	**Organizing committee member** 2013-14 **KUD Ist Zonal Youth Festival at Karnatak College, Dharwad**.
25	**Organizing Secretary**, KUD Ist Zonal Foot ball tournament 2012-13 at **Karnatak College, Dharwad**.

SIGNATURE

(Prof. S. C. Shiralashetti)