

RESUME



Personal Information

Name: -	Dr. Bhausahab Rajba Sontakke
Employee Code:	2711001962
Date of Birth:	10/05/1968
Joining Date: -	16/08/1994
Department: -	Mathematics
Designation: -	Professor
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Current Address: -	Department of Mathematics Pratishthan College, Paithan. Pin-431 107.Dist. Chh. Sambhajinagar. (M.S.) India.
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Academic Qualifications: -

Examination	Name of the Board/ University	Year of Passing	Percentage of Marks Obtained	Division / Class/ Grade	Subjects
SSC	Aurangabad	1986	76.28	Distinction	English, Hindi, Marathi, Math, Science and Technology,
HSC	Aurangabad	1988	62.67	First	Physics, Chemistry, Mathematics,

					English
UG	Marathwada University Aurangabad	1991	65.58	First	Physics, Mathematics, Electronics
PG	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	1994	60.13	First	Mathematics
B.Ed	Marathwada University Aurangabad	1993	78.6	First	

Research Degree (s)

Degrees	Title	Date of award	Name of University
M. Phil	Oscillation Theory of Delay Differential Equations	March-2002	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
Ph. D	Studies in Qualitative Theory of Parabolic Differential Equations	13 August 2009	Dr. Babasaheb Ambedkar Marathwada University Aurangabad

Appointments held prior to Joining this Institution

Sr. No.	Designation	Name of Employer	Date of Joining	Date of Leaving	Reason of leaving if any
1					

Posts held after Appointment in this Institution: -

Designation	Department	Date of Joining	
		Form	To
Lecturer	Dept. of Mathematics, Pratishthan Mahavidyalaya Paitha, Dist. Aurangabad	20/08/1994	31/05/2006
Assistant Professor	Dept. of Mathematics, Pratishthan Mahavidyalaya Paitha, Dist. Aurangabad	01/06/2006	20/03/2015

Associate Professor	Dept. of Mathematics, Pratishthan Mahavidyalaya Paitha, Dist. Aurangabad	21/03/2015	30/07/2019
Professor	Dept. of Mathematics, Pratishthan Mahavidyalaya Paitha, Dist. Aurangabad	31/07/2019	Till Date
Teaching and Research Experience:-			
Sr. No.	UG	PG	Research Experience
1	30 Year	23 Year	25 Years

Fields of Specialization under the Subject / Discipline –

Degree	Specialization
U.G	Physics, Chemistry, Mathematics
P.G	Mathematics
M. Phil.	Oscillation Theory of Delay Differential Equations
Ph. D.	Studies in Qualitative Theory of Parabolic Differential Equations

Orientation / Refresher Course/ FDP/ MOOC/ Attended -

Sr. No	Title of the Course	Place	Date and Duration (Period)	
1	Orientation Course	Academic staff College Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	02/05/1997 to 30/05/1997	
2	Refresher Course in Mathematical Sciences (Mathematics, Statistics and Economics)	Academic Staff College Dr. B. A. M. Uni. Aurangabad	14/9/1998 to 13/10/1998	
3	Refresher Course in Mathematics and Statistics	Academic Staff College Dr. B. A. M. Uni. Aurangabad	20/2/2006 to 11/3/2006	
4	Research Grants, Publication and Methods	Dr. B. A. M. Uni. Aurangabad	7/7/2014 to 12/7/2014	
5	NSS Orientation Course	NSS Training and Orientation Centre Ahmednagar College, Ahmednagar	3/8/1999 to 12/8/1999	
6	NSS Refresher Course	NSS Training and Orientation Centre Ahmednagar College,	17/3/2002 to 21/3/2002	

		Ahmednagar		
Involvement in University Work- Management Council/Academic Council/BOS / Syllabus Assessment/Paper Setting/ Examination related Duties/Any other:-				
Sr. No	Name of Activity	From Date	To Date	
1	Chairman Bord of studies in Mathematics	2011	2022	
2	Member Bord of Studies in Mathematics	2022	Till Date	
3	Member of Academic Council Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2011	2022	
4	Member of RRC Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2011	2022	
Involvement in College Work/Committees:				
Sr. No	Name of Activity	From Date	To Date	
1	Local Management Council member Pratishthan Mahavidyalaya, Paithan.	2010	Till Date	
2	P.G. Coordinator, Pratishthan Mahavidyalaya, Paithan.	2014	Till Date	
3	Member of Internal Quality Assurance Cell Pratishthan Mahavidyalaya, Paithan.	2016	Till Date	
Research Papers published in Peer Reviewed / UGC listed/ UGC care listed Journals:				
Sr. No.	Title of paper	Journal Name, Page No, Vol. No., Year of Publication	ISSN/ ISBN No.	Impact Factor if any
1	A fractal-fractional order modeling approach to understanding stem cell-chemotherapy combinations for cancer	Journal of Scientific Reports , 2025, 1-16	2045-2322	3.8
2	Numerical solution of time-space fractional radon diffusion equation	Journal of Xi'an University of Architecture & Technology, 2024, 321-328	1006-7930	
3	Numerical Approximation of Atangana-Baleanu Caputo Fractional Derivative and Its Application to Feactional order Subdiffusion Bioheat equation	Journal of Xidian University , 2024, 567-575	1001-1400	
4	Traveling wave solutions of Fractional telegraph equation using homotopy perturbation technique	Journal of Xi'an University of	1006-7930	

		Architecture & Technology, 2024, 220-231		
5	Solving Time-Fractional Fitzhugh–Nagumo Equation using Homotop Perturbation Method,	Indian Journal of Science and Technology Volume17, No.13 (2024) 1-11.		
6	Conformable Fractional-Order Modeling and Analysis of HIV/AIDS Transmission Dynamics,	Hindawi ,International Journal of Differential Equations Volume 2024,		
7	Numerical Solution of Sub-diffusion Bioheat Equation with Single Phase lag,	Indian Journal of Science and Technology, Volume 17, N0.11(2024), 955-966	0974-6846	
8	Solution of Non-Homogeneous Ordinary Differential Equation with Variable Coefficient by using Modified Adomian Decomposition Method,	Journal of Xi'an University of Architecture & Technology, Volume XV (15), No. 9, 2023,	1006-7930	
9	Approximate Solution of Sub diffusion Bioheat Transfer Equation.	Bagdad Science Journal, Volume 20, No.1(2023),	394-399	
10	Analytical Solution of Space- Time Fractional Physical Models by Improved Adomian Decomposition Method	GANITA, Vol.72, No.2,(2023) 37-63.		
11	Modified Adomian Decomposition Method for Solving System of Linear Integro-Differential Equations of Fractional Order,	Bulletin of The Marathwada Mathematical Society, Volume 22, No 1&2 (2022), 17-30.		
12	Kamal Transform in Cryptography with Sandip's Method,	International Journal of Current Engineering and Scientific Research, Volume-9, issue-6, 2022	2393-8374	
13	Exact Solution of Time Fractional Partial Differential equation by Adomian Decomposition Method,	Journal of Advances in Mathematics and Computer Science. Vol.36, No.6 (2021), 75- 87,	2436-5301	
14	Analysis of Fractional Susceptible-Exposed-Infections (SEI} Model of Covid -19 Pandemic for India	. J.Math.Comput.Sci. Vol.11, No.6 (Oct.2022), 7105- 7125,	1927-5301	
15	New results on a coupled system for second-order pantograph equations with ABC fractional derivatives,	AIMS Mathematics, Vol 7, No .10 (Sept.2022) 19520–19538.		
16	Analytical Solution of Linear Fractional Partial Differential equation of Order $0 < \alpha \leq 1$ by Improved Adomian Decomposition Method,	Journal of Advances in Mathematics and Computer Science. Vol.37, No.5 (2022),	2436-9968	

		32-43		
17	Analysis of Multi Term Fractional Differential Equations Using Variational iteration Method,	Punjab University Journal of Mathematics Vol 54, no. 1(Feb. 2022).		
18	Compressive Analysis of Transverse and Displacement for Simply Supported Laminated Beam With Thermal Load	Neuro Quantology, Vol.20, No.12 (Augst.2022), 293-305		
19	Mathematical Analysis of Transverse Displacement of Thermal Beam with Thermal Load,	Indian Journal of Science and Technology, Vol.15, No.31 (Augst.2022), 1523- 1526,	0974-6846	
20	Exact Solution of Time Fractional Partial Differential equation by Adomian Decomposition Method,	Journal of Advances in Mathematics and Computer Science. Vol.36, No.6 (2021), 75- 87,	2436-9968	
21	Analysis of Fractional Kawahara and modified Kawahara Equations Based on Caputo -Fabrizio Derivative Operator	J.Math.Comput.Sci. Vol.11, No.6 (2021), 7105- 7125,	1927-5301	
22	Study of Thermal stresses Analysis	Journal of Maharaja Sayajirao University of Baroda, Vol.55, No.1 (V) (2021), 27- 34,	0025-0422	
23	Numerical Solution of Time Fractional Time Regularized Long Wave Equation by Adomian Decomposition Method and Applications	<i>Journal of Mechanics of Continua and Mathematical Sciences</i> , Vol. 16, No.2 (2021), 48-60	2454-7190	
24	Strong and mild solutions of the fractional ordinary differential equation and its applications,	<i>Malaya Journal of Matematik</i> , Vol. 8, No.4 (2020),1-17.	2321-5666	
25	Lie group investigation of fractional partial differential equation using symmetry'	Malaya Journal of Matematik, Vol. 8, No. 3(2020), 1243-1247.	2321-5666	
26	Existence and Uniqueness of integrable solutions of fractional Order IVP equations,	Journal of Mathematical Modelling, Vol .6 (2) (2019) 137-148,	2382-98	
27	Convergence Analysis and Approximate Solution of Fractional Differential Equations,	Malaya Journal of Matematik, Vol .7, No.2 (2019). 338-344.	2321-5666	
28	Adomian Decomposition Method for solving Highly Nonlinear Fractional Partial Differential Equations,	IOSR Journal of Engineering, Vol.9, Issue-3. (2019) 39-44	2278-8719	
29	A Comparative Analysis on Gaussian Isoperimetric Inequality, and its Similar Concentration Trend	Journal of Advances in Science and Technology, Vol.15	2230-9859	

		Issue 2, Sept 2019.		
30	Solution of Time Fractional Partial Differential Equations by Variational Iteration Method and Applications,	Asian Journal of Mathematics and Computer Research 23(1) (2018) 7-16,	2395-4205	
31	Monotone Solution of Cauchy Type Weighted Nonlocal Fractional Differential Equation	International Journal of Advanced Research in Mathematics, Vol.11, (2018), 18-33,	2297-6213	
32	Approximate solution of a Generalized Hirota Satsuma Coupled Kdv and a coupled mKdv Systems with the time Fractional Derivatives,	Malaysian Journal of Mathematical Sciences, 12(2) (2018), 175-196	2394- 5303	
33	A New Integral Transform Method for Solving fractional differential equations,	Far East Journal of Mathematical Sciences. Vol.102 no.17(2017),	2394-8426	
34	Thermal Flexural Analysis of Isotropic Plate using New Trigonometric Shear Deformation Theory	International Journal of Recent Research Aspects, Vol. 4, No. 4 (2017), 390-401	2349-7688.	
35	Fractional Complex Transform for Approximate Solution of Time Fractional Zakharov- Kuznetsov Equation	International Journal of Pure and Applied Mathematics, Vol. 116, No.4 (2017), 913-927	1311-8080	
36	Study of Generalized Integral Transforms their Properties and Relations,	Globe Journal of Pure and Applied Mathematics Vol.13, No.4 (2017), 1285-1302.	22349-76886	
37	Numerical Approximation of Atangana-Baleanu Caputo Fractional Derivative and Its Application to Fractional order Subdiffusion Bioheat equation	Journal of Xidian University , 2024, 567-575	1001-1400	
38	Numerical Method for Variable-order Space Fractional Diffusion Equation and Applications,	Malaya Journal of Matemati Vol.5, No.1 (2017) 41–49.	2319-3786	
39	Generalized Multi-Term Fractional Boundary Value Problems Using Integral Transform Technique	Journal of Mathematics Research, Vol. 9, No.1(2017)	1916-9795	
40	), Fractional Order Finite Difference Scheme for Two Dimensional Space-Time Fractional Diffusion Equation	IOSR Journal of Mathematics Vol.12, No.,2) (2016), 8-16.	22349-76886	
41	Approximate Scheme for Time Fractional Diffusion Equation and its Applications,	Global of Journal of Pure and Applied Mathematics Vol.5, No.1 (2017), 41–49.	22349-76886	
42	Approximate solutions of time fractional Kawahara and modified Kawahara equations by Fractional complex transform,	Communications in Numerical Analysis 2016 No.2 (2016) 218-229	2193-4215	
43	Solving Time Fractional Sharma –Tasso –Oleiver Equation Using Fractional Complex Transform with Iterative Method	, British Journal of Mathematics and Computer Science	2231- 0851	

		19(1). Pp 1-10, 2016		
44	Numerical Solution of Time Fractional Fonberg-Whitham and Modified Fonberg-Whitham Equations using New Iterative Method,	Asian Journal of Mathematics and Computer Research 13 (2) (2016),66-76.	2395- 4205.	
45	Some Integral Transform of Generalized Mittag-Leffler Function,	, International Journal of Pure and Applied Mathematics, Vol. 108, No.2 (2016),327-339	1311-8080	
46	Application of Adomian Decomposition Method for Solving Highly Nonlinear Initial Boundary Value Problems	IJLTEMAS, 5 (3),	2278•2540	
47	Integral Transform Technique for Coupled Hybrid Systems of Multi •Term Quadratic Fractional Boundary Value Problem	Nonlinear Analysis and Differential Equations, Volume 4, no.1,679-695.		
48	Analysis of Explicit Approximate Solution for Time Space Fractional Soil Moisture Diffusion Equation and Its Application,	International Journal of Mathematics and Computer Research, volume 5, Issue 5(2016), 1387-1400	2320-7167	
49	Properties of Caputo Operator and Its Applications to Linear Fractional Differential Equations,	International Journal of Engineering Research and Applications 5 (5) (2015), 22•27.	2248-96227	
50	Numerical Solution of 2-D Nonlinear Boussinesq Equation.	Asian Journal of Mathematics and Computer Research (U.K),7(3) (2015),227-236	2395•4205	
51	Water table fluctuations due to time varying recharge in a 1•d flow system from recharge basin,	International Journal of Differential Equations and Applications 13 (2) (2014), 51-59	1311•2872	
52	Monotone Method for Nonlinear Weakly Coupled Time Degenerate Parabolic System with Nonlinear Boundary Conditions	Journal of Advanced Research in Dynamical and Control System (U.K), Vol 6, Issue 4 (2014),1-12	ISSN1943-023X.	
53	Structural and ac susceptibility studies in non•stoichiometric nickel ferrites,	International Science Journal 1 (3) (2014),24-30	2249•3352	
54	Electric and Dielectric Behavior in Non•Stoichiometric Nickel Ferrites,	, International Journal of Basics and Applied Research, Vol 3, Issue1(2014), 36-39,	ISSN2348-3639	
55	Mathematical Theory of Degenerate Reaction Diffusion Problems,	Bulletin of the Marathwada Mathematica Society, 14 (1) (2013), 81-101,	0976•6049	

56	Professor Dnyanoba Baurao Dhaigude	Bulletin of Marathwada Mathematical Society. 14 (1),	0976-6049	
57	on the steady State Thermo elastic Problem for thin Annular Disc	Applications Far East Journal of Mathematical Sciences Vol.76, No.2 (2013),235-243,	2277-6982	
58	A Note on Pachpatte's Inequalities,	International Journal of Basic and Applied Research 2 (2) (2012), 56-62	2249•3352	
59	Thermal stresses in a thin annular disc,	International Journal of Mathematical Engineering and Science 1 (7), 19-26	2277• 6982	
60	Survey of oscillation criteria for first order delay differential equations,	Bulletin of the Marathwada Mathematical Society, 12 (1), 128 - 136,	0976•6049.	
61	Study of an Exact Solution of Transient Thermoelastic Problem of Thin Circular Plate in Marchi•Zgrablich Transform Domain,	Advances in Theoretical and Applied Mathematics 7 (1)(2012), 25-32	0973•4554.	
62	Automatic Speech Recognition for Marathi Isolated Words	International Journal of Application or Innovation in Engineering, Vol.1, Issue 3,	2319•4847	
63	Monotone Technique for Nonlinear Degenerate Weakly Coupled System of Parabolic Problems	Communications in Applied Analysis, 15 (1), (2011), 13•24,	1083•2584	
64	Monotone Method for Nonlinear Weakly Coupled Degenerate Parabolic System	Recent Advances in Mathematical Sciences and Applications, 258•268,	97881•920783	

Publications (Books/ chapters in Books/Editor of Book):

Sr. No	Publication Type (Books/ chapters in Books/Editor of Book)	Title of Book / Chapters	Publishers Name	Publisher ISSN/ ISBN No.
1	Book	Ganitache Adhapan	Vidyavati Publication	978-93-83411-13-9
2	Book	Mechanics	Anand publication	93-82202-40-0
3	Book	Integral Calculus & Geometry	Anand publication	93-82202-26-4

4	Book	Real Analysis	Anand publication	9382202-48-6
5	Book	Integral Transforms	Anand publication	9382202-51-6
6	Book	Ordinary Differential Equations	Anand publication	9382202-73-8
7	Book	Engineering Mathematic	Self-publication	978-93-5396-670-6

Development of e-Content:

Sr. No	Name of e-Content Developed	Specify
1		
2		

Research Guidance:

Sr.No	Degree	Name of Candidate Enrolled	Date of Registration	Thesis submitted Date	Degree awarded
1	M.Phil.	Renuka L. Solanke	June-2018		
1	Ph.D.	Mr. G.L.Rokade	July 2013		Awarded (M
2	Ph.D.	Mr.G.T.Khurpe	July 2013		Awarded (M
3	Ph.D.	Mrs.V.V.Sangvikar	July 2013		Awarded (D
4	Ph.D.	Mr.G.P. Kamble	July 2013		Awarded Se 2017
5	Ph.D.	Mr.Amjat Shaikh	DEC.2014		Awarded Ap
6	Ph.D.	Mr.S.S.Shelke	July 2013		Awarded Ap
7	Ph.D.	Mr.S.B.Kakde	2015		Awarded August 2019
8	Ph.D.	Mrs.R.B.Pandit	June 2016		Awarded Se
9	Ph.D.	Mrs. Vidya Bhadgaonkar	June 2018		Awarded 20
10	Ph.D.	Mr. Rushikesh V. Pakhle	June 2018		Award 2023
11	Ph.D.	Mr.Shankar R. Raut	June 2018		Awarded Ju

12	Ph.D	Mr. Jagdish Sonwane	June-2018		Submitted D
13	Ph.D	Mrs. Meenakshi Dhumal	June-2013		Submitted D

Research Projects Completed/ On-going:

Sr.No	Title of Project	Sponsored agency	Date of Sanction	Date of Completion
1	Study of Some Hyperbolic Inequalities and Applications	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	01/04/2013	31/03/2015
2	Study of Some Efficient Methods for Solving Fractional Differential Equation	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	01/02/2017	31/03/2019

Patents:

Sr.No	Title of Patent	Patent Number	Sponsored agency if any	Date of Award
1				

Awards/ Fellowship:

Sr.No	Name of Awards/ Fellowship	Date of Received	International/ National	Name of Awardee
1				

Research Paper Presentation in Seminars / Conferences/ Symposium: and Resource Person:

Sr. No	Title of Paper/ Presentation	Title of Seminars / Conference	Mode of Presentation (Paper Presentation / Resource Person)	Name of Organizer	W C
1	Crank- Nicolson finite scheme for reaction Diffusion Equation	108 th Indian Science Congress Association at RTM Nagpur University, Nagpur	Paper presentation	RTM Nagpur University, Nagpur	Inte

2	Analysis of Laminated Beam with Different Shear Deformation Theory	one day conference in Mathematics and Physics organized by Department of Mathematics,	Paper presentation	Sundarrao Solunke Mahavidyalaya, Majalgaon on 20 Dec.2022.	Na
3	Analysis of Fractional gas dynamics equation using Attangana- Balenue derivative operator	three days International Conference on Mathematical Sciences & Its Application (ICSMA – 2022)	Paper presentation	School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra, India 28th – 30th July 2022	Int
4	New Trigonometric Shear Deformation Analysis for Thermal Isotropic Plate	one day conference in Mathematics and Physics	Paper presentation	Department of Mathematics Shridatta Arts, Commerce and Science College, Hadgaon 2021.	Na
5	Solution of Time Fractional Partial Differential Equations	Conference of the Indian Mathematical Society-An International Meet-2017	Paper presentation	Department of Mathematics, Karnataka University, Dharwad during December 12-15, 2017.	Int
6	Solution of Time Fractional Partial Differential Equations	International Conference on “Innovative Research in Science & Technology	Paper presentation	Department of Mathematics R.B. Attal College Georai on 16 Feb. 16,2019.	Int
7	Numerical Solution of Time Fractional Telegraphic Fitzhuan-Nagumo Equation	International Conference on “Innovation & Research in Technology &Engineering	Paper presentation	Department of Mathematics, Padmabhushan Vasantdada Patil Pratishthan College of Engineering Mumbai during 21&22 Dec.20 18.	Int

8	Thermal Flexural Analysis of Isotropic Plate Using New Trigonometric Shear Deformation Theory	International Conference on Technological Innovations in Engineering and Management	Paper presentation	Department of Mathematics, Deogiri Institute of Engineering and Management Aurangabad during 26-27 February 2018.	Int
9	Solution of Differential Equations Using Adomian Decomposition Method	National Conference on Pure and Applied Mathematics.” organized by Department of Mathematics	Paper presentation	Department of Mathematics, Yogeshwari Mahavidyalaya, Ambejogaiduring11-13 January 2018	Na
10	Variational Iteration Method for Nonlinear Fractional Differential Equation and Applications	International Conference on Science, Soc Science and Management	Paper presentation	Department of Mathematics, Birla Institute of Applied Sciences, Bhimtal Utrakhand during June 12-14,2017	Int
11	Solution of Specific Fractional Differential Equations by Natural Integral Transform	International Conference on Algebra, Discrete Mathematics and Applications	Paper presentation	Department of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during Dec.9-11, 2017	Int
12	Application of Fractional Adomian Decomposition Method for Solving Nonlinear IBVP	National Level Conference on Recent Trends in Mathematics	Paper presentation	Department of Mathematics, Tata Institute of Fundamental Research during. July 15-16,2016	Na
13	Application of Adomian Decomposition Method for Solving Highly Nonlinear	International Conference on Recent Advances in Theoretical and Computational PDE	Paper presentation	Department of Mathematics, Punjab University, Chandigarh during December 05-09,.2016	Int

	Initial Boundary Value Problems	with Applications			
14	Finite Difference Scheme for Time FDE	National Level Conference on Recent Trends in Mathematics	Paper presentation	Department of Mathematics, Arts, Science and Com. College Pathri on 24 Jan.2017.	Na
15	Water Table Variations in a finite system in response to transient Recharge from a rectangular Basin	National Conference on Recent Advances in Mathematics	Paper presentation	Department of Mathematics, K.S.K. College Beed during March 21• 23,2016.	Na
16	Monotone Method for Nonlinear Weakly Coupled Time Degenerate Parabolic system with Nonlinear Boundary Conditions	26 th International Conference of Jangeon Mathematical Society, South Korea	Paper presentation	Acharya Institute of Graduate Studies, Bangalore during August 1•4,2013.	Inte
17	Method of Upper and lower solutions for non•linear time degenerate parabolic problems Existence & weakly Uniqueness results for Nonlinear coupled degenerate parabolic system,	International Conference on Mathematical Modeling and Optimization Tech	Paper presentation	Department of Mathematics, SSBT's College of Engineering Jalgaon on July 26 & 27,2013.	Inte
18	Method of Upper and lower solutions for non•linear time degenerate parabolic problem	National Conference on Recent Advances in Mathematics and its Applications	Paper presentation	Department of Mathematics, Shrisant Gajanan Maharaj College of Engineering Shegaon during April 29•30, 2013	Na
19	A note on Pachpatte's Inequalities	National Conference on Recent Developments	Paper presentation	Department of Mathematics,	Na

		in Mathematics and Statistics		Loknete Vyankatrao Hiray Arts, Commerce and Science College, Panchavati, Nashik during 6•8 Feb.2012.	
20	Survey of oscillation criteria for first order delay differential equation	National Conference on Recent Developments in UG and PG Mathematic	Paper presentation	Department of Mathematics, JES College, Jalna during 10•12 Jan.2011.	Na
21	Numerical Solution of Wave equation by Finite Difference Scheme	National Seminar on Advances in Computational Mathematics	Paper presentation	Department of Mathematics, Rajarashi Shahu Mahavidyalaya Latur during 23•24 Feb.2011.	Na
22	Monotone method for n Nonlinear Weekly Coupled Degenerate Parabolic system	International Conference on Recent Advances in Mathematical Sciences	Paper presentation	Department of Mathematics, Gyatri Vidya Prasad College of Engineering Vishakapatanam held during 19•22 Dec.2009.	Inte
23	Statistics of Synthetics Drug Consumption: A Survey of Rural	National Conference on Effect of Synthetic Drug on Human Metabolism	Paper presentation	Department of Chemistry, Pratishthan College, Paithan during 8•9 Feb.2008.	Na
24	Solution of Differential Equations by Using FDM Method	State Level Conference on Developments in UG and PG Mathematics	Paper presentation	Department of Mathematics PES College of Engineering Aurangabad during 8•9 Feb.2008.	Na
25	A note on Delay Differential Equations	State Level Seminar on Recent Developments in UG and PG Mathematics	Paper presentation	Department of Mathematics Shrikrishna College, Gunjoti during 22•24 Dec. 2004.	Na
26	Some New Methods of Teaching Mathematics	State Level Instructional Seminar on Recent	Paper presentation	Department of Mathematics at Deogiri College, Aurangabad on November 9 and 10,2000.	Na

		Developments in Graduate and U.G. Level Mathematics			
27	Some Maximum Principles in Differential Equations	State Level Seminar on Recent Advances in Effective Teaching at U.G. Level organized	Paper presentation	Department of Mathematics Yogeshwari College, Ambejogai during 5•7 Dec.2002.	Na

Invited Lectures:

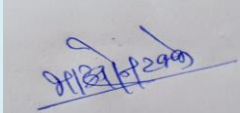
Sr. No	Title of Presentation	Date of Presentation	Name of Organizer	Whether International
1	Recent Innovations in Fractional Calculus	8 Feb 2025	School of Mathematical Science K.B.C.N.M.Uni. Jalgaon	International
2	Basic Developments in Fractional Calculus	01 Feb 2025	Department of Mathematics Sapna ACS College Chikhaldara, Amravati	National
3	The Adomian Decomposition Method for Numerical Solution of Differential Equations	Dec-2023	Department of Mathematics, Mahatma Gandhi Mahavidyalaya, Ahmedpur Dec.2023	National
4	The Adomian Decomposition Method for Numerical Solution of Differential Equations	6 Feb-2023	Department of Mathematics, Mrs. K.S.K. College, Beed 6 Feb.2023	National
5	Basic Developments in Fractional Calculus and Applications	21 Dec-2021	Department of Mathematics, Mahtma Gandhi Mahavidyalaya, Ahmedpur 21 Dec.2021	National
6	Challenges and Opportunities in Mathematics Education	22 Dec-2020	Marathwada Mathematical Society and MGM College on 22 Dec. 2020.	National

7	Recent Developments in the Theory of Fractional Calculus	27-29 July 202	Dayanand Science College, Latur on July 27-29, 2020	International
8	Basic Developments in Fractional Calculus	11 March 2020	Department of Mathematics, Yeshwantrao College, Tuljapur on March 11, 2020.	National
9	Monotone Iterative method for Solution of Reaction Diffusion Problems	04 Feb-2020	Department of Mathematics, College, Kille-Dharur on February 04,2020.	National
10	Recent Developments in Fractional Calculus	08 Feb-2020	Department of Mathematics, Sundarrao Solunke Mahavidyalaya, Majalgaon on February 08,2020	National
11	The Adomian Decomposition Method for Numerical Solution of Differential Equations	16-18 Jan-2020	Department of Mathematics, Anandrap Dhonde Mahavidyalaya,Kada on January 16-18 ,2020.	National
12	Outcome Based Education	20 Jan 2019	Marathwada Shikshan Prasarak Mandal at Soundarao Solunke Mahavidyalaya, Majalgaon on January 20, 2019	National
13	Fractional Complex Transform for the fractional Sharma – Tasso-Olver Equation using Iterative Method	27-29 Dec-2018	Department of Mathematics, Maharaja Sayajirao Gaikwad College Malegaon on Dec 27-29, 2018	National
14	On Research Methodology	27-29 Dec-2019	Department of Mathematics Hire College Nasik on December 27-29, 2019.	National
15	Solution of Partial Differential Equations by Variational Iteration Method and its Applications”	19-22 Dec-2017	Department of Mathematics Gyatri Vidya Prasad College of Engineering Vishakapatanam held during December 19-22, 2017.	Intranational
16	Mathematical Theory of Time Degenerate Reaction	26-27 March 2018	Govt. First Grade College Afzalpur Karnataka. March	National

	Diffusion Equations		26-27 2018	
17	Mathematical Theory of Time Degenerate Reaction Diffusion Equations	13 Nov-2018	Yogeshwari Mahavidyalaya, Ambejogai on January 11-13, 2018	National
18	The Adomian Decomposition Method for Numerical Solution of Differential Equations	5-9 March 2017	Dayanand Science College Latur during March 5-9,2017.	National
19	Solution of Differential Equation Adomian by Using Decomposition Method	24 Jan-2017	Arts, Science and Com. College Pathri on January 24,2017.	National
20	Revised Syllabus in Mathematics	18 Jan-2016	Arts, Science & Commerce College, Badnapur on January 18 ,2016.	National
21	Tools of Teaching in Mathematics	07 Jan-2015	by Department of Mathematics Yeshvanrao Chavan College, Sillod on January 7 ,2015.	National
21	The Recent Developments in the Theory of Time Degenerate Parabolic Problems”	16-17 Dec-2013	Arts, Com. And Science College Jamner on December 16-17, 2013.	National
22	Mathematical Theory Reaction Diffusion Problems	27 Sep-2013	Vinayakrao Patil Mahavidyalaya Vaijapur Dist. Aurangabad on September 27, 2013.	National

UNDERTAKING

I Dr. Bhausahab Rajba Sontakke undertake that the information provided is correct as per records submitted by me to College / Institute / university and / or documents enclosed along with the duly filled PBAS Performa.



Signature

Place :Paithan

Date :16/02/2024.

