

Department of Mathematics
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Name : - **Dr. KIRTIWANT P. GHADLE**
Date of Birth : - **26-02-1970**
Place of Birth : - **Not Recorded**
Address : - Row House No. A-4, "SHRIRANG CITY", Paithan Road,
Itakheda, Aurangabad-431005

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Education:-

- i) Doctor of Philosophy (Ph. D.) Mathematics, RTM Nagpur University.
- ii) Master of Science (M. Sc.) Mathematics, RTM Nagpur University.
- iii) Bachelor of Education (B. Ed.), RTM Nagpur University.

Position held:-

- 1) Lecturer and Head Department of Mathematics, Anand Niketan College Anandwan, Warora.
- 2) Associate Professor, Department of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 3) **Professor (06-03-2018)**, Department of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (Ref. -Estt./Dept./2018/3986-87 on dated 25/26-09-2018)4)
- 4) **HOD (29-09-2021)**, Department of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (Ref. - Estt./Dept/2021/3083-102 on dated 27/28-09-2021).
- 5) Working as Head (23-12-2009 to 09-01-2010). Department of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 6) Presiding Officer at Kannad, Vidhansabha Election of Maharashtra State on Oct. 2009.
- 7) **Board of Studies Member** (Mathematics Board), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (Ref. - Estt. Dept./Ele./2017/540 on dated 28-12-2017)
- 8) **RRC Committee Member**, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (Ref. - Estt. Dept./Ele./2018/797 on dated 24-01-2018)
- 9) **RRC Committee Member**, Swami Ramanand Teerth Marathwada University, Nanded (Ref. - SRTMUN/Election-2022/Nomination/RRC/2023-24/314 on dated 23-06-2023).

Other Position:

- Member of Moderation Committees, RTM Nagpur University.
- Member of Local Enquiry Committee, RTM Nagpur University.
- Joint Secretary, Akhil Bhartiya Grahak Panchayat, Branch Warora.
- Coordinator, Mathematics Olympiad Classes.
- Co-officer for conducting Exam, RTM Nagpur University.
- Officer, Central Assessment Centre for Post Graduate Examination October/November 2009.

- **Treasurer-** National Workshop on Mathematical Software's and Applications NWMSA-10, organized by Applied Mathematics, Department of Mathematics, Dr. B.A.M.U. Aurangabad, March 2010.
- Director/Custodian, P.G. CAP (Science) Centre for the Examination March/April, 2011.
- Paper setter and Examiner in Paper-III, FLUID DYNAMICS at the M. Sc. II, and Paper- VII, ADVANCED DISCRETE MATHEMATICS (OPTIONAL) at the M. Sc. I (Mathematics) Examination of 2012 of R. S.T. M. University, Nagpur.
- Chaired a Session, UGC Sponsored National Seminar on 'Present Development and Future Trends' (PDFT- 2012) in Mathematical Sciences, Organized by Dept. of Mathematic, Sindhu Mahavidyalaya, Nagpur.
- Chaired the Plenary Talk Session (PT-12 Hall-2) in International Conference on Mathematical Sciences "ICMS-2012" held at SSES Amt's College Nagpur (India) during 28-31 December 2012.
- **Course Coordinator** of Refresher Course in Mathematics and Statistics from 5th to 27th September, 2012.
- Delivered lectures to the participants of Refresher Course in Research Methodology (Science Discipline) as a Resource Person at Dr. B.A.M.University, UGC-Academic Staff College Aurangabad.
- Selection committee for carrier advancement of Assistant Professor (Management Subject Expert) at Shivaji Arts, Commerce and Science College, Kannad.
- Deliver lecture in the plenary session and chair the session at National Conference "Advances in Computational Mathematics on 27/28 Sept. 2013 at Vinayakrao Patil Mahavidyalaya, Vijapur.
- Selection committee for carrier advancement of Assistant Professor to Stage-II (Management Subject Expert) at Vivekanand Arts, Sardar Dalipsingh Commerce and Science College, Aurangabad.
- Delivered lectures to the participants of Refresher Course in Mathematics/Statistics (ID) as a Resource Person at Dr. B.A.M.University, UGC-Academic Staff College Aurangabad.
- Deliver lecture in the plenary session at National Conference "Recent Trends in Pure and Applied Mathematics 09-11 January, 2014 at NES Science College Nanded.
- Selection committee for carrier advancement of Assistant Professor (Vice-Chancellor's Subject Expert) at Maulana Azad College of Arts, Science & Commerce College, Aurangabad (Feb 15, 2014).
- President for Non-Granted Grading Committee at Geetai Institute of Management, Beedkin, Ta-Paithan, Distt.-Aurangabad. Dated 24-11-2014
- Selection committee for carrier advancement of Assistant Professor (Vice-Chancellor's Subject Expert) at Pratisthan Mahavidyalaya Paithan, Distt. - Aurangabad (Nov. 25, 2014).
- Deliver an **Invited Talk** and **Chaired Session** in the National Conference on "Recent Advances in Mathematics 23-25 December, 2014 at Deogiri College, Aurangabad.
- Chaired a Session at Department of Mathematics, Pre science Congress-2014 on December 30-31, 2014 held at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431004.
- Resource person in 'One Day Workshop on Revised Syllabus of B. Sc. T.Y. in the Subject of Mathematics at NKSPT'S Arts, Science and Commerce College, Badnapur, Dist. Jalna on 18th January 2016.
- Chaired a Session and presented a paper in the National Conference on Recent Advances in Mathematics Organized by Dept. of Mathematics, Mrs. K.S.K. Alias Kaku Arts, Science, Commerce College, Beed during 21 to 23 January, 2016.

- Member of affiliation committee visited to Yashvantrao Chavhan Arts, Commerce & Science College Sillod, Distt. Aurangabad on 08-09-2016.
- Delivered one lecture on Refresher Course in basic Sciences as a Resource Person at the UGC-Human Resource Development Centre, Dr. BAMU A'bad on 19-09-2016.
- Vice Chancellor subject expert for CAS in the subject Mathematics at Vivekanand Arts, Sardar Dilipsingh Commerce & Science College, Aurangabad on dated 06-10-2016.
- Governing Body Subject Expert in Mathematics at Hi-Tech Institute of Technology, Bajaj Nagar MIDC, Waluj, Aurangabad on dated 19-10-2016.
- Examiner for State Level Junior College Science Exhibition-2016 at Deogiri College, Aurangabad on dated 20-10-2016.
- Subject expert for conducting interview at Deogiri Institute of Engineering and Management Studies at Aurangabad on dated 19-11-2016.
- Vice Chancellor subject expert on selection committee at Jalna Education Society's R. G. Bagdia Arts, S. B. Lakhotia Commerce & R. Benonji Science College, Jalna on dated 26th Dec. 2016.
- Vice Chancellor subject expert for CAS in the subject Mathematics at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on dated 11-01-2017.
- Resource Person to deliver a lecture on One Day State Level Seminar on "Applications of Differential Equations" at Arts, Science and Commerce College, Ozar(MIG), Tal: Niphad, Dist: Nashik on dated 25-01-2017.
- Invited talk on Solving Transportation Problem with Generalized Hexagonal and Generalized Octagonal Fuzzy Numbers by ranking Method on the "International Conference on Mathematical Analysis and its Applications" at Dayanand Science college Latur during March 5-9, 2017.
- Chaired a Session at the 4th International Conference on Computing in Engineering & Technology at D.I.E.M.S., Aurangabad during January 9-11, 2019.
- Invited talk as a Resource Person for National Conference on Recent Trends in Mathematics and Its Application at Anandrao Dhonde Alias Babaji Mahavidyalaya, Kada Tal. Ashti, Dist. Beed on dated **17/01/2020**
- Pre **Ph. D. Course Work Coordinator** organized during 02/01/2021 to 15/02/2021 (School of computational & Physical Sciences).

Research Experience: 22 years.

Teaching Experience:

- I) Graduate Course (B. Sc.): 13 years.
- II) Post Graduate Course (M. Sc.): 13 years.

Date of Appointment:

- 1) **Lecturer**- 01-10-1994
 - 2) **Reader**- 12-06-2008 to 11-06-2011
 - 3) **Associate Professor**- 12-06-2011 to 05-03-2018
 - 4) **Professor**- 06-03-2018 to till date.
- a) **Refresher Course - 02**
- i) Academic Staff College Nagpur University, from 16-10-2000 to 12-11-2000.
 - ii) Academic Staff College Rashtrasant Tukadoji Maharaj Nagpur University, from 26-02-2007 to 18-03-2007.

- b) **Orientation Program – 01**
Academic Staff College Nagpur University, from 07-10-1999 to 04 11- 1999.
- c) **Short Term Course – 02**

Attended:

- National Symposium on Mathematical Sciences at Dept. of Mathematics, RSTM Nagpur University, Nagpur during March 1-5, 2001.
- The invited lectures delivered by Prof. R. S. Kulkarni, Director, HRI, Allahabad, On Some Perspective on linear Algebra at Dept. of Mathematics, RSTM Nagpur University, Nagpur during July 15-16, 2003.
- National Seminar on Recent Advances in Mathematical Physics on Jan 4, 2004 at Shri. Dnyanesh Mahavidyalaya, Nawargaon, Dist. - Chandrapur.
- National Seminar on Recent Trend in Mathematics on Jan 11, 2004 at Kamla Nehru Mahavidyalaya, Sakardara square, Nagpur.
- Workshop on LATEX at Dept. of Mathematics, RSTM Nagpur University, Nagpur during March 5-7, 2007.
- Right to Information Act-2005, Organized by Yashwantrao Chawhan Vikas Prashasan Prabodhini at Aurangabad on dated 31-12-2009.
- UGC sponsored Short Term Professional Development Course for Senior Faculty scheduled from 27-07-2011 to 02-08-2011 organized by Academic Staff College Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- UGC sponsored Short Term Disaster Management Course (Professional Development) scheduled from 27-03-2012 to 29-03-2012 organized by Academic Staff College Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Special Summer School Programme scheduled from 23-07-2012 to 11-08-2012 organized by Academic Staff College Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- UGC sponsored one day National Conference on Recent Trends In Mathematical Sciences NCRTMS-2013 Organized by Department of Mathematics Shri Sachhidanand Shikshan Sanstha's Arts, Commerce and Science College, Koradi.
- Workshop on Awareness of Antiplagiarism Software at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on Dec. 13, 2013.
- Workshop on One day User Awareness Programme under UGC-INFONET Digital Library Consortium at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on October 09, 2015.
- Webinar "Memories and a lecture tribute to Professor S. S. Shrikhande" organized by the Department of Mathematics, University of Mumbai on May 29, 2020.
- International Webinar Series on 'Advances in Mathematics' organized by Tata Institute of Social Sciences, Tuljapur from 22-27 June 2020.
- National level One Week online Faculty Development Programme on "*MATHEMATICS : A Practical Approach in Science and Technology*" Organised by Department of Basic Science and Humanities (DIMES), Aurangabad from 28th June to 3rd July 2020.

Participated:

- 1) State level Seminar on Recent Trend in Mathematics at Dept. of Mathematics, RSTM Nagpur University, Nagpur during March 5-6, 2002.
- 2) National level Seminar on New Trends in Mathematics at Dept. of Mathematics, RSTM Nagpur University, Nagpur during March 8-9, 2003.
- 3) National level Seminar on Theory of Relativity at Department of Mathematics, RSTM Nagpur University, Nagpur during August 21, 2003.
- 4) UGC sponsored Principals Meet on Quality of Academic Staff College in Present Scenario at Dr. BAMU Academic Staff College on Dec. 24, 2009.

- 5) National Seminar on General Relativity and Thermoelasticity at Department of Mathematics, RSTM Nagpur University, Nagpur during February 17-18, 2012.
- 6) University-Industry Interaction Summit 2015 at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from October 29-30, 2015.
- 7) One Day Author Workshop on Scientific Writing & Publishing Scholarly Articles organized by Knowledge Resource Centre (University Library) Dr. BAMU Aurangabad and Springer on 4th November 2015.
- 8) One day workshop on Intellectual Property Rights organized by Rastriya Uchhatar Shiksha Abhiyan, Maharashtra (RUSA) in collaboration with RGNIPM, Nagpur & Dr. BAMU, Aurangabad on 22nd August 2016.
- 9) Participation to Interface **Meeting of District Level College Coordinators**, at CFART of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 01-10-2016.
- 10) Participation to Training Programme on Awareness of SCOPUS & Indian Citation Index organized by Dr. Babasaheb Ambedkar Marathwada University Library, Aurangabad on 22-12-2016.
- 11) Contribution as a member of Organizing Committee in University Level Avishkar-2016 organized by AVISHKAR CELL, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 27-28 December 2016.
- 12) Training Programme on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, at Dr. B.A.M. University, Aurangabad on 21-02-2017.
- 13) Participated as Chair person in the "International Conference on Mathematical Analysis and its Applications" at Dayanand Science College Latur during March 5-9, 2017.
- 14) Participated in one day "Awareness Program of e-Resources provided by Bilani Group of Companies under e-Shodh Sindhu Consortium" jointly organized by Balani Group of Companies & Knowledge Resource Centre, (University Library), Dr. BAMU A'bad on 26th Nov. 2018.

List of Research Publications:
Published Papers

Sr. No.	Name of Authors	Title of Research Paper's	Name of Journals with ISSN & DOI	Year of Publication
1	Ghadle K. P. & Khobragade N. W.	An Inverse Unsteady-state Thermo elastic Problem of a Thin Annular Disc in Marchi-Fasulo Transform Domain	<i>Varahmihir Journal of Mathematical Sciences</i> , Vol.3, No. 2, pp. 263-279 ISSN -0972-7329.	2003
2	Ghadle K. P. & Khobragade N. W.	An Inverse Steady-state Problem of Thermo elastic Deformation on Upper Plane Surface of a Finite Length Hollow Cylinder	<i>Bulletin of Pure and Applied Sciences</i> , Vol. 22E, No. 1, pp. 231-221, ISSN : 0970-6577	2003
3	Ghadle K. P. & Khobragade N. W.	An Inverse Steady-state Thermoelastic Deformation of a Thin Rectangular Plate in Marchi-Fasulo Transform Domain-I.	<i>Bulletin of Pure and Applied Sciences</i> , Vol. 22E, No.1, pp. 149-158, ISSN : 0970-6577.	2003
4	Ghadle K. P. & Khobragade N. W.	An Inverse Unsteady-state Problem of Quasi-static Thermal Deflection of a Thin Clamped Circular Plate	<i>Varahmihir Journal of Mathematical Sciences</i> , Vol.4, No. 2, pp. 401-408 ISSN -0972-7329.	2004
5	Ghadle K. P. & Khobragade N. W.	An Inverse Unsteady-state Problem of Thermo elastic Deformation on Upper Plane Surface of a Finite Length Hollow Cylinder	<i>Bulletin of Pure and Applied Sciences</i> , Vol. 24E, No. 2, pp. 365-376, ISSN : 0970-6577.	2005
6	Ghadle K. P. & Khobragade N. W.	An Inverse Unsteady-state Problem of Thermo elastic Deformation on Upper Plane Surface of a Finite Length Hollow Cylinder	<i>Bulletin of Pure and Applied Sciences</i> , Vol. 24E, No. 2, pp. 365-376, ISSN : 0970-6577.	2005
7	Ghadle K. P. & Khobragade N. W.	An Inverse Problem of Thermo elastic Deformation of a Thin Circular Plate in Marchi-Fasulo Transform Domain	<i>Journal of Indian Academy of Mathematics</i> , Vol. 28, No.1, pp. 45-55, ISSN : 0970-5120.	2006
8	Ghadle K. P. & Khobragade N. W.	Study of an Inverse Transient Thermo elastic Problem of a Thin Rectangular Plate	<i>Bulletin of the Calcutta Mathematical Society</i> , Vol.100, No. (1), pp. 1-10 ISSN : 0008-0659	2008
9	Gaikwad K. R. & Ghadle K. P.	Quasi-Static Thermal Stresses in a Thick Rectangular Plate	<i>Global Journal of Pure and Applied Mathematics</i> , Vol.5, No. 2, pp. 139-147 ISSN : 0973-1768	2009
10	Gaikwad K. R. & Ghadle K. P.	On the Steady-State Thermoelastic Problem for a Finite Length Hollow Cylinder	<i>Shekhar (New Series) International Journal of Mathematics</i> , Vol. I, Issue I, pp. 31-38, ISSN : 0976-4445	Dec. 2009
11	Gaikwad P. B., Gaikwad K. R. & Ghadle K. P.	Study of an Exact Solution of Steady-State Thermoelastic Problem of a Finite Length Hollow Cylinder	<i>International Journal of Computational & Applied Mathematics</i> , Vol.5, No.2, pp.176-187, ISSN -1819-4966.	2010

12	Gaikwad K. R. & Ghadle K. P.	An Inverse Quasi-Static Thermal Stresses in a Thick Annular Disc	<i>International Journal of Applied Mathematics & Statistics</i> , Vol.19, No. D10, pp.50-63, ISSN -0973-1377.	Dec. 2010
13	Ghonge B. E. & Ghadle K. P.	An Inverse Transient Thermoelastic Problem of Solid Sphere	<i>Bulletin of Pure and Applied Sciences</i> , Vol. 29E, No.1, pp 1-9 ISSN : 0970-6577.	2010
14	Gaikwad K. R. & Ghadle K. P.	Quasi-Static Thermoelastic Problem of an Infinitely Long Circular Cylinder	<i>Korean Society for Industrial and Applied Mathematics</i> , Vol.14, No.3, pp.141-149 ISSN - 1226-9433.	2010
15	Gaikwad K. R. & Ghadle K. P.	A note of Quasi-Static Thermal Stress in Steady-State Thick Annular Disc	<i>Acta Ciencia Indica</i> , Vol. 36 M, No. 3, pp. 385-395 ISSN -0970-0455.	2010
16	Gaikwad K. R. & Ghadle K. P.	An Inverse Quasi-Static Thermoelastic Problem in Thick Circular Plate	<i>Southern Africa Journal of Pure & Applied Mathematics</i> , Vol.5, pp. 13-25, ISSN : 1993-8594.	2011
17	Gaikwad K. R. & Ghadle K. P.	An Inverse Problem for the Quasi-Static Thermoelastic System in a Thin Clamp Circular Plate	<i>Advanced in Applied Mathematical Analysis</i> , Volume6, No.1, pp. 43-45, ISSN : 0973-5313	2011
18	Ghonge B. E. & Ghadle K. P.	An Inverse Transient Thermoelastic Problem of Hollow Sphere	<i>Advances in Applied Research</i> , Vol. 3. No. 1, pp. 76-82, ISSN : 09768610.	2011
19	Gaikwad K. R. & Ghadle K. P.	An Inverse Heat Conduction Problem in a Thick Annular Disc	<i>International Journal of Applied Mathematics and Mechanics</i> , 7(16), pp. 27-41, ISSN -0973-0184	Oct. 2011
20	Gaikwad K. R. & Ghadle K. P.	Three Dimensional Non-Homogeneous Thermoelastic Problem in a Thick Rectangular Plate Due to Internal Heat Generation	<i>Southern Africa Journal of Pure & Applied Mathematics</i> , Vol.5, pp. 26-38, ISSN -1993-8594.	2011
21	Gaikwad P. B. & Ghadle K. P.	On a Certain Steady-State Problems of Temperature and Thermal Stresses of an Annular Disc	<i>Global Journal of Engineering and Applied Sciences</i> , 1(4), pp.32-35, ISSN : 1819-6608	Dec. 2011
22	Ghonge, B. E. & Ghadle K. P.	An Analytical Approach to Deflection of Inverse Transient Thermoelastic Thin Circular Plate- I	<i>Global Journal of Computational Science & Mathematics</i> , Vol.1, No. 2, pp. 87-94, ISSN : 0974-3189	2011
23	Mane J. K. & Ghadle K. P.	Multi-Jobs in Single Machine Scheduling Problem with Non-Linear Deteriorated and Time-Dependent Learning	<i>International Journal of Statics and Analysis (IJSA)</i> Vol, 2, No. 1, pp. 27-34, ISSN : 0973-2675.	2012
24	Navlekar A. A., Sontakke B. R. & Ghadle K. P.	Study of an Exact Solution of Transient Thermoelastic Problem of Thin Circular plate in Marchi-Zgrablich Transform Domain	<i>Advances in Theoretical and Applied Mathematics</i> , Vol. 7, No. 1, pp. 25-32, ISSN : 0973-4554	2012
25	Mane J. K. & Ghadle K. P.	A Note on Flow Shop Scheduling Problem with Increasing and Decreasing Linear Deterioration on Weighted Dominant	<i>Journal of Statistics and Mathematic</i> , Vol. 2, No. 2, pp.55-58, ISSN : 0976-8807, I. F. 4.47	2011

		Machines		
26	Ghonge B. E. & Ghadle K. P.	Study of Exact Solution of Deflection of Thermoelastic Circular Plate by Using Marchi-Fasulo Integral Transform	<i>Global Journal of Mathematical Science: Theory & Practical (GJMS)</i> , Vo. 4, No.2, pp. 115-122, ISSN: 0972-9836	2012
27	Gaikwad P. B. & Ghadle K. P	Study of an Exact Solution of Unsteady-State Thermoelastic Problem of a Circular Plate	<i>American. Jr. of Mathematics and Sciences</i> , Vol. 1, No.1, ISSN: 2250-3102	Jan. 2012
28	Gaikwad K. R. & Ghadle K. P.	On a Certain Thermoelastic Problem of Temperature and Thermal Stresses in a Thick Circular Plate	<i>Australian Journal of Basic and Applied Sciences</i> , Vol. 6, No. 2, pp. 34-48, ISSN- 1991-8178, I.F.-0.27.	Feb. 2012
29	Ghonge B. E. & Ghadle K. P.	Inverse Transient Thermoelastic Behavior of Annular Disc by using Marchi-Zgrablich and Laplace Transform Technique	<i>International Journal of Physics and Mathematical Sciences</i> , Vol.1, No. 1, pp. 68-75, ISSN: 2277-2111	Oct.-Dec. 2011
30	Ghonge, B. E. & Ghadle K. P	Deflection of Transient Thermoelastic Plate by Marchi-Zgrablich and Laplace Integral Transform Technique	<i>Theoretical and Applied Mechanics Letters</i> 2,021004, ISSN: 2095-0349.	2012
31	Gaikwad P. B. & Ghadle K. P.	An Inverse Thermoelastic Problem of Circular Plate	<i>Bulletin of Society for Mathematical Services & Standards (B SO MA S S)</i> , Vol. 1, No. 1, pp. 19-26, ISSN: 2248-9274	2012
32	Mane J. K. & Ghadle K. P.	Common Due-Date Assignment and Job Scheduling on Single Machine and Parallel Machines	<i>Bulletin of Society for Mathematical Services & Standards (B SO MA S S)</i> , Vol. I, No. 1, pp. 27-37, ISSN: 2248-9274.	2012
33	Gaikwad P. B. & Ghadle K. P.	Thermoelastic Problem of a Thick Annular Disc Due to Radiation	<i>International J. of Math. Sci. & Engg. Appls. (IJMSEA)</i> , Vol. 6, No. II, pp. 201-212, ISSN: 0973-9424	Mar. 2012
34	Mane J. K. & Ghadle K. P.	Assignment Problem Heuristic Algorithm to Minimize Makespan on Non-identical Parallel Machines	<i>Bulletin of Society for Mathematical Services & Standards (B SO MA S S)</i> , Vol. I, No. 1, pp. 11-17, ISSN: 2248-9274.	2012
35	Gaikwad P.B. & Ghadle K. P.	Study of an Exact Solution of Steady-State Thermoelastic problem of an Annular Disc	<i>International Journal of Statistika and Matematika</i> , Vol. 2, Issue 1, pp. 01-04, E-ISSN: 2249-8605	2012
36	Gaikwad P.B. & Ghadle K. P.	An Infinite Thermoelastic Solid Deformation Problem of a Penny-Shape Cracked	<i>Journal of Statistics and Mathematics</i> , Vol. 3, Issue1, pp.63-68, ISSN: 0976-8807 & E-ISSN: 0976-8815, I. F. 4.47.	2012
37	Ghonge, B. E. & Ghadle K. P.	Two Dimensional Unsteady State Non-Homogeneous Thermoelastic Problem of Circular Plate and its Thermal Stresses	<i>Journal of International Mathematical Forum</i> -7(33), pp. 1645-1653, ISSN: 1312-7594.	2012
38	Mane J. K. & Ghadle K. P.	Maintenance Activity Single-Machines Scheduling and Due-Date Assignment	<i>International Journal of Mathematical Engineering and Science (IJMES)</i> , Vol. 1, Issue 4, ISSN: 2277-6982.	2012

		Simultaneously		
39	Gaikwad K. R. & Ghadle K. P.	Nonhomogeneous Heat Conduction Problem and its Thermal Deflection due to Internal Heat Generation in a Thin Hollow Circular Disc	<i>Journal of Thermal Stresses</i> , 35: 485-498, 2012, Taylor & Francis Group, ISSN -0149-5739, I. F. 0.96 (Scopus and WOS)	2012
40	Ghonge B. E. & Ghadle K. P.	Transient Thermoelastic Behavior of Semi-infinite Cylinder by Using Marchi-Zgrablich and Fourier Transform Technique	<i>International Journal of Mathematical Engineering and Science</i> , Vol. 1 Issue 5, pp. 30-37, ISSN : 2277-6982	May 2012
41	Ghonge B. E. & Ghadle K. P.	A Generalized Thermoelastic Problem of One-dimensional Layered Composite Material with Variable Thermal Conductivity	<i>International Journal of Mathematical Sciences and Engineering Applications</i> , Vol. 6, No. 4, pp. 53-61, ISSN : 0973-9424	July 2012
42	Ghadle K. P. & Muley Y. M.	Revised Ones Assignment Method For Solving Assignment Problem	<i>Journal of Statistics and Mathematics</i> , Vol. 4, Issue 1, pp.147-150, ISSN : 0976 8807 & E-ISSN : 0976-8815, I. F. 4.47	2013
43	Ghadle K. P., Pawar T. S. & Khobragade N. W.	Solution of Linear Programming Problem by New Approach	<i>International Journal of Engineering and Innovative Technology (IJEIT)</i> , Vol. 3, Issue 6. pp. 301-307, ISSN : 2277-3754, I. F. 1.895.	Dec. 2013
44	Ghadle K. P. & Muley Y. M.	An Application of Assignment Problem in Travelling Salesman Problem (TSP)	<i>International Journal of Engineering Research and Applications</i> , Vol. 4, Issue1 (Version 3), pp. 169-172, ISSN : 2248-9622, I. F. 1.69.	Jan. 2014
45	Ghadle K. P. & Pawar T. S.	Game Theory Problems by an Alternative Simplex Method	<i>International Journal of Research in Engineering and Technology</i> , Vol. 3, Issue 5, pp.900-905, eISSN : 2319-1163, Impact Factor -1.962.	May 2014
46	Ghadle K. P. & Pawar T. S.	New Approach for Revised Simplex Method to Solve Linear Programming Problem	<i>International Scientific Journal on Science Engineering & Technology</i> , Vol. 17, No. 06, pp.653-656, ISSN : 6814-4794, Impact Factor : 1.873.	July 2014
47	Ghadle K. P. & Pawar T. S.	New Approach for Two-phase Method to Solve Linear Programming Problem	<i>International Scientific Journal on Science Engineering & Technology</i> , Vol.17, No. 08, pp. 835-838, ISSN : 2349-6657, Impact Factor : 1.873.	Sept. 2014
48	Thete R. B. & Ghadle K. P.	Temperature Distribution of an Inverse Steady State Thermoelastic Problem of Thin Rectangular Plate by Numerical Method	<i>IOSR Journal of Mathematics</i> , Volume 11, Issue 1 Ver. 1, pp. 36-39. e-ISSN : 2278-5728, Impact Factor : 1.32	Jan.-Feb. 2015
49	Ghadle K. P. & Muley Y. M.	New Approach to Solve Assignment Problems Using MATLAB	<i>International Journal of Latest Technology in Engineering, Management and Applied Sciences (IJLTEMAS)</i> , Vol.	Jan. 2015

			IV, Issue I, pp. 36-39. ISSN: 2278-2540, Impact Factor: 1.35	
50	Ghadle K. P. & Pawar T. S.	New Approach For Wolfe's Modified Simplex Method to Solve Quadratic Programming Problems	<i>International Journal of Research in Engineering and Technology</i> , Vol. 4, Issue 1, pp. 371-376, eISSN: 2319 1163, Impact Factor- 2.365.	Jan. 2015
51	Ghadle K. P. & Muley Y. M.	Hybridization of One's Assignment and Stepping Stone Method	<i>Mathematica Aterna</i> , Vol. 5, No. 1, pp. 211-216, ISSN: 1314-3344, I. F.- 1.0592.	Mar. 2015
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	Jadhav O. P.	Programming Approach		
212	Munot D. A. & Ghadle K. P.	A Novel Way For Solving Fractional Transportation Problem	<i>Advances and Applications in Mathematical Sciences</i> , Vol. 22, Issue 6, pp. 1243-1251. ISBN: 0974-6803, WOS	April 2023
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215	Abdallah A. A., Navlekar A. A., Ghadle K. P. & Harden Basel	Some Tensors in Generalized \$BR\$ - Recurrent Finsler Space	<i>World Journal of Engineering Research & Techonolgy</i> , Vol. 9, Issue 6, pp. 42-48. ISBN: 2454-695X, Indexing: ISI	June 2023
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223	Thorat S. N., Ghadle K. P., Muneshwar R. A. & K. L. Bondar	Some Properties on Modified α -fractional Partial Derivative With its Applications	<i>AIP Conference Proceedings</i> 2852, 020005 (2023). SCOPUS https://doi.org/10.1063/5.0164634	Sept. 2023
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232	Thorat S. N., Ghadle K. P. & Muneshwar R. A.	Simulation of Fractional Order 2D-Mathematical Model Using α -Fractional Differential Transform Method	<i>Contemporary Mathematics</i> , Vol. 5, Issue 1, pp. 685-697, SCOPUS http://ojs.wiserpub.com/index.php/CM DOI: https://doi.org/10.37256/cm.5120242464	Feb. 2024
233	Alaa A. A. Navlekar A. A. Ghadle K. P. & Basel Hardan	On W_{jk}^i in Generalized $\mathfrak{BP}$ -recurrent and Birecurrent Finsler Space	<i>2nd International Conference on Applied Mathematics and Computational Sciences 2022 (ICAMCS-2022)</i> <i>AIP Conf. Proc.</i> 3087, 070001 (2024) https://doi.org/10.1063/5.0199494	Mar. 2024

Accepted:

Magar S. K., Dole P. V. & Ghadle K. P.:Prabhakar and Hilfer-Prabhakar FractionalDerivatives in the Setting of ψ -Fractional Calculus and its Applications, *Kragujevac Journal of Mathematics*, Vol. 48(4),pp. 515–533. **Scopus** (Published on 2024)

Conference Papers:

- 1) **Ghadle, K. P. and Khobragade, N. W.:** Thermoelastic problem of a spherically isotropic hollow sphere under impact Load. *International Symposium on Recent Advances in Mathematics and its Applications. Calcutta, India (16-18 Dec. 2006)*.
- 2) **Warbhe, M. S., Ghadle, K. P. and Khobragade, N. W.:** An inverse transient Thermoelastic problem of a Rectangular parallelepiped. *International Symposium on Recent Advances in Mathematics and its Applications. Calcutta, India (19-21 Dec. 2008)*.
- 3) **Gaikwad, M. R. and Ghadle, K. P.:** The Architectural Study of the DARPA Internet Protocols. *National Conference on Emerging Trends in Electronics Engineering & Computing (E3C 2010)*.
- 4) **Gaikwad, P. B. and Ghadle, K. P.:** Study of an Exact Solution of Unsteady-State Thermoelastic Problem of a Circular Plate. *National conference on Recent Frontiers in Applied Dynamical Systems, Coimbatore, India (21-22 Jan. 2011)*.
- 5) **Ghadle, K. P. and Gaikwad, K. R.:** Transient Heat Conduction and Thermal Stress Problem of a Nonhomogeneous Thin Solid Circular Plate, UGC Sponsored NationalSeminar on 'Present Development and Future Trends' (PDFT-2012) in Mathematical Sciences, Organized by Dept. of Mathematics, Sindhu Mahavidyalaya, Nagpur.
- 6) **Ghadle, K. P. and Mane, J. K.:** A Heuristic for common Due-date Assignment on Non- Identical Machines, UGC Sponsored National Conference on Interface Between Statistics and other Sciences (NCISS-2012), organized by Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.), India.
- 7) **Gaikwad, P. B. and Ghadle, K. P.:** Study of an Exact Solution of Thermoelastic Problem of a Circular Plate by Using Hankel Integral Transform, UGC Sponsored National Conference on Interface Between Statistics and other Sciences (NCISS-2012), organized by Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.), India.
- 8) **Gaikwad, K. R. and Ghadle, K. P.:** Thermal Stresses In a Nonhomogeneous Hollow Circular Cylinder Under Unsteady-State Distribution of temperature, UGC,DST, CSIR, INSA Sponsored International Conference on Mathematical Sciences Dec. 28-31, 2012, organized by Science College, Congress Nagar Nagpur.(M.S.), India.
- 9) **Ghadle, K. P. and Muley, Y. M.:**Solving an Assignment- Laptop Selection Problem, International conference on Recent Advances in Mathematics (ICRAM 2014), January 20-23, 2014 at the Dept. of Mathematics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (India).

No. of Ph. D. Awarded– 20, Pursuing Ph. D. - 05.

Sr. No.	Name of Student	Title of Thesis	Year
1	Kishor R. Gaikwad	<i>A Study of Some Aspects of Thermoelastic Problem.</i>	March 05, 2012

2	Janardhan K. Mane	<i>Some Contribution of Scheduling Problem in Operation Research.</i>	January 23, 2013
3	Priyanka B. Gaikwad	<i>Study of Some Special Type of Thermoelastic Problem.</i>	April 05, 2013
4	Badrinath E. Ghonge	<i>Study of Some Features of Thermoelasticity by Using Integral Transform Technique.</i>	May 16, 2013
5	Yogesh M. Muley	<i>A New Approach to Solve Assignment Problem Using MATLAB (Some Problem)</i>	March 9, 2016
6	Tanaji S. Pawar	<i>Study of Some Computational Problems in Operation Research</i>	August 19, 2016
7	Priyanka A. Pathade	<i>A New Fuzzy Approach to Solve Transportation Problem</i>	July 16, 2018
8	Sanjivani M. Ingle	<i>Study of Optimality and Analysis of Some Optimization Problems by Using Fuzzy Mathematics</i>	Oct. 10, 2019
9	Ahire Yogita M.	<i>Study of Thermoelastic Problems With Internal Heat Source by New Approach</i>	Dec. 20, 2020
10	Dabhole Amit C.	<i>A Study of Various Types of Graphs on Ordered Sets</i>	Feb. 25, 2021
11	Khan Firdos Farooq A	<i>Study of Fractional Partial Differential Equation in Fluid Mechanics by New Approach</i>	May 24, 2021
12	Ahmed Abdullah Hamoud Mohammed Country-Yeman, Passport No. 05128561, Vissa-VI7684565	<i>Some Approximated Methods For Solving Voltera-Fredholm Integral & Integro-Differntial Equations</i> (Dec. 2015)	Sept. 16, 2021
13.	Magar Sachin K. (June 2018)	<i>Some Contribution to Fractional Differential Equations using Integral Transforms</i>	March 10, 2022
14.	Khandagale Amol D. (June 2018)	<i>A Study on Fractional Integro-Differential Equations</i>	March 24, 2022
15.	Deshmukh Mayuri C. (June 2018)	<i>Study of Linear Programming Problems with Fuzzy Approach</i>	Oct. 20, 2022
16.	Mrs. Shinde Anjali K. (June 2018), Co-Guide	<i>Study of Thermoelastic Response on Different Thick Solids Due to Heat Generation.</i>	Oct. 31, 2022
17.	Bhadane R. Pradipkumar (June 2018)	<i>Study of Some Integral Transform and It's Applications</i>	Nov. 24, 2022
18.	Nawal Abdulwahab Al-Sarori Country-Yeman, Passport No. 04235054, Vissa-	<i>Study of Semilinear Impulsive Fractional Difeerential Inculusions with Nonlocal Conditions</i>	Dec. 01, 2022

	VK2157905 (Feb. 2017)		
19.	Fawziah Mohammad Al- Saar Country-Yeman, Passport No. 05806654, Vissa- VJ3597671 (Feb. 2017)	<i>Study of Some Integral Equations by New Approach</i>	Dec. 05, 2022
20.	Munot Dhanashri A. (June 2018)	<i>A New Approach to Solve Transportation Problem & It's Programming Using MATLAB</i>	June 15, 2023

No. of M. Phil. – 08

Sr. No.	Name of Student	Title	Year
1	Gaikwad Priyanka Balasaheb	<i>Mathematical Study of Some Thermoelastic Problems.</i>	29 June, 2009
2	Tanaji Shivaji Pawar	<i>Some Computational Problems on Simplex Method</i>	30 June, 2010
3	Khan Firdous Farooq Ahmed	<i>Study of convectional Flow of an Infinite Vertical Plate</i>	14 Nov. 2014
4	Deshmukh Mayuri Chandrakant	<i>Study of Some Computational Problems in Operation Research</i>	19 Jan. 2017
5	Gaikwad Jitendra Raibhan	<i>Study of Some Methods on Operation Research</i>	27 June 2018
6	Adhe Abhijit Balkrishna	<i>Study of 2D Thermoelastic Problems for Inhomogeneous Solids</i>	9 March, 2020
7	Lokare Varsha Vijaykumar	<i>Study of Transportation Problems with Fuzzy Approach</i>	22 Sept. 2022
8	Gorhe Sanhita Swapnil	<i>Study of Fuzzy Transportation Problems with Different Rankings and Methods</i>	9 Feb. 2023

Title of the Thesis:

Some Mathematical Aspects of an Inverse Thermoelastic Problem.

- Life Member of the Journal of the Indian Academy of Mathematics.
- Life Member of Bulletin of the Marathwada Mathematical Society.
- Advisory Board Member (Membership No: 8E168883F4) *Journal of Statistics and Mathematics*, ISSN: 0976-8807 & E-ISSN: 0976-8815, Bioinfo Publication.
- **Associate Editor** of the “Academic Journal of Mathematical Sciences” International Association of Scientists & Researchers.
- **Editorial Board Member** in SCIREA Journal of Mathematics.
- Life Member of the Indian Society of Theoretical and Applied Mechanics. **Life Membership Number L/1161.**
- Member of RESEARCHFORA journal. Membership ID: RF20545C.

Fellowships:

Sr. No.	Name of the Student	Fellowship	Agency	Year
1	Ku. Gaikwad Priyanka B.	RGNF	UGC	2008-09 & Continue SRF
2	Ku. Ingle Sanjivini M.	RGNF	UGC	1/04/2015
3	Miss.Pathade Priyanka A.	BANRF	BARTI	2015
4	Ku. Deshmukh Mayuri C.	SARATHI	Maharashtra Govt.	Sept. 2019
5	Ms. Nirde Shamal D.	CSIR	UGC	13/03/2020
6	Me. Satish N. Thorat	BANRF	BARTI	21/04/2023

Paper Reviewer of the Journals:

- Journal of Civil Engineering and Construction Technology (JCECT).
- Theoretical Applied Mechanics Letter.
- International Journal of Thermophysics.
- Bulletin of the Marathwada Mathematical Society.
- International Journal of Mathematics in Operational Research (IJMOR) ISSN (Online): 1757-5869.
- WebPub Journal of Scientific Research (WJSR).
- Cogent Mathematics
- Bioinfo Publication
- Asian Journal of Mathematics and Computer Research
- Journal of Advances in Mathematics and Computer Science
- Operation Research and Decisions
- Paper Reviewing the review (for 04 papers) made to the **ICMIE-2020** held at Panjab University, Chandigarh.
- [Journal of Applied Mathematics and Informatics \(JAMI\), KOREA.](#)
- [GANITA \(ISSN: 0046-5402 \)](#)
- Advances and Applications in Mathematical Sciences (ISSN 0974-6803)
- South East Asian Journal of Mathematics and Mathematical Sciences
- Journal of Taibah University of Science (Taylor and Francis)
- Nonlinear Functional Analysis and Applications (NFAA)
- Journal of Applied Mathematics and Informatics

Books: i) Universal Mathematical Formulae, Book Number ASIN: B097N4P33M (2021)
Link:

https://www.amazon.coms?k=Universal+Mathematical+Formulae&ref=nb_sb_noss

ii) Application of Assignment Problem Using MATLAB Programming, ADVENT PUBLISHING (2022). **Website:** <https://adventpublishing.in>

Ph. D. Pursuing-05

Sr. No.	Name of the Student	Title	Qualification	Confirmation Date/Remark
1.	Nirde Shamal D.	Study of Thermoelastic Problem by Using Integro-Differential Equatons	JRF	March 2020

2.	Sharif Abdulrahman Ahmed Hebah Country-Yeman, Passport No. 09200971, Vissa-VL 1097247	Theoretical Analysis of fractional nonlinear Volterra-Fredholm Integrao Differential Equations	M. Sc.	Jan. 2022
3.	Adhe Abhijeet B.	Study of Homogeneous and Inhomogeneous Thermoelastic Problems by Using Integral Equations	M. Sc., M. Phil., PET	Oct. 2021
4.	Thorat Satish N.	Study of Fractional Diffreential Equations Using Analytical Methods and Applications	M. Sc., PET	Oct. 2021
5.	Maha Mohammed Ghaleb Hamood Country-Yeman, Passport No. 07687006, Vissa-VL 1099177	Numerical Analysis for Fractional Integro Differential Equations	M. Sc.	July 2022

Citations:

- **Google Scholar Citations: 1649**
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- **Scopus Citations: 599**
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