Curriculum-Vitae

DR. KISHOR D. KUCCHE
Associate Professor,
Department of Mathematics,
Shivaji University,
Kolhapur- 416004,
Maharashtra, India.

Educational Qualifications:
M.Sc., B.Ed., SET, Ph. D.

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Date of Birth: 01 March 1980

Teaching Experience: 19 Years

Teaching Experience	University/Institute	Designation	From	To
Post Graduate	Shivaji University, Kolhapur	Associate Professor	12/08/2022	Till Today
		Assistant Professor	23/05/2008	11/08/2022
Under Graduate	M. I. T. Engineering College, Aurangabad	Lecturer	Dec 16, 2003	May 22, 2008

Research Profile:

1. **Google Scholar profile:**
   https://scholar.google.co.in/citations?user=0ieK5xUAAAAJ&hl=en&oi=ao
2. **Research Gate profile:**
   https://www.researchgate.net/profile/Kishor-Kucche
3. **Scopus profile:**
   https://www.scopus.com/authid/detail.uri?authorId=37002751600

Research Interest:

1. Fractional Differential Equations
2. Abstract Differential Equations
3. Integral Inequalities
4. Dynamic Equations on Time Scales

Research Projects:

Sr. No.	Title	Funding Agency	Funds in Rupees	Status / Period	PI / Co-PI
1	Nonlinear Differential Equations with Generalized Hilfer Fractional Derivatives	Science and Engineering Research Board	Rs. 20,18,764/-	Ongoing 26/02/2024 to 25/02/2027	Principal Investigator
2	Analysis of ψ-Hilfer fractional differential equations	Science and Engineering Research Board	Rs. 17,58,000/-	Completed 22/02/2019 to 21/02/2022	Principal Investigator
3	On nonlinear mixed functional integrodifferential equations in Banach spaces	University Grants Commission	Rs. 1,97,000/-	Completed 01/04/ 2013 to 31/03/ 2015	Principal Investigator

Research Work Guidance:

1. Ph.D. Students (Awarded) : **04**
2. Ph.D. Students (Working) : **02**

Ph.D. Students Awarded

Sr. No.	Research Scholar	Title of Thesis	Date of Award
1	Smt. Kharde Jyoti Pramod	Analysis of Fractional Differential Equations Involving Generalized Hilfer Fractional Derivative	31/07/2023
2	Smt. Mali Ashwini Dhindiram	A Study of Nonlinear Generalized Hilfer Fractional Differential Equations	06/01/2022
3	Mr. Sutar Sagar Tanaji	Studies on Nonlinear Differential Equations of Fractional Order	01/04/2021
4	Smt. Shikhare Pallavi Uttam	A Study of Nonlinear Integrodifferential Equations in Banach Spaces	24/02/2020

Research Collaborations (abroad):

1. Imecc-Unicamp, Brazil.
2. Federal University of ABC, Brazil.
3. Universidad de La Laguna, Spain.
4. University of Santiago de Compostela, Spain
5. Xidian University, China.
6. Eastern Mediterranean University, Turkey
7. Prince Sultan University, Saudi Arabia

Membership of Statutory Authorities:

1. Chairperson of Board of Studies in Mathematics, Shivaji University, Kolhapur (From 06th March 2023 to 31st August 2027)
2. Ex-officio Member of Academic Council, Shivaji University, Kolhapur (From 06th March 2023 to 31st August 2027)
3. Member, Faculty of Science and Technology, Shivaji University, Kolhapur (Academic Year: 2018-19 to 2021-22)
4. Member, Faculty of Science and Technology, Solapur University, Solapur (Academic Year: 2018-19 to 2019-20)
5. Member, Board of Studies in Mathematics, Shivaji University, Kolhapur (Academic Year: 2018-19 to 2021-22,)
6. Member, Board of Studies in Mathematics, Solapur University, Solapur (Academic Year: 2018-19 to 2019-20, 2022-23 to 2026-27)
7. Member, Board of Studies in Mathematics, Vivekanand College, Kolhapur (Academic Year: 2017-18 to 2019-20)
8. Member, Board of Studies in Mathematics, Tuljaram Chaturchand College, Baramati (Academic Year: 2022-23 to 2024-25)
9. Member, Board of Studies in Mathematics, Government College of Engineering, Karad.

Administrative Work Experience:

1. Coordinator, SWAYAM, Shivaji University, Kolhapur
2. Coordinator, UGC Schemes of Remedial Coaching, Shivaji University, Kolhapur
3. Member, Lapses Committee, Shivaji University, Kolhapur
4. Member, Standing Committee (Special Cell, University administration and post graduate departments), Shivaji University, Kolhapur.
5. Coordinator, Plagiarism check , Computational Sciences, Shivaji University, Kolhapur
6. Member, IQAC-Criteria wise committee for NAAC QIF and AQAR, SUK
7. Coordinator, NAAC, Department of Mathematics, Shivaji University, Kolhapur
8. Member, Plagiarism Committee, Shivaji University, Kolhapur.

Membership of Research Committees:

1. Member, Research Advisory Committee (RAC), Shivaji University, Kolhapur
2. Member, Research Advisory Committee (RAC), Punyashlok Ahilyadevi Holkar Solapur University, Solapur.
3. Member, Departmental Research Committee (DRC), Shivaji University, Kolhapur (Academic Year: 2019-20 to 2020-21, 2020-21 to 2021-22, 2023-24 to 2024-25)
4. Member, Departmental Research Advisory Committee(DRC), YCIS, Satara

Examinations Work Experience:

1. Chairman, Ph.D. Course Work and Ph.D. Entrance Examination, Dept. of Mathematics, SUK
2. Exam Coordinator, M.Sc. and M.Sc. Tech., Dept. of Mathematics, SUK
3. Chairman-M.Sc. Tech. (Mathematics) Examinations, Dept. of Mathematics, SUK
4. Sr. Supervisor at various examination of SUK

Professional Membership:

1. Life member, Indian Mathematical Society (IMS)
2. Life member, The Indian Society for Technical Education (ISTE)
3. Life member, Shivaji University Mathematical Society (SUMS)
4. Life member, Marathwada Mathematical Society (MMS)

Research Publications:

49. J. V. C. Sousa, **Kishor D. Kucche,** Juan J. Nieto, Existence and Multiplicity of Solutions for Fractional $K(\xi)$-Kirchhoff-Type Equation, Qualitative Theory of Dynamical Systems 23, 27 (2024), 1-21, https://doi.org/10.1007/s12346-023-00877-x
(Impact Factor: 1.4)

48. J. P. Kharade, **K. D. Kucche**, On the (k, Ψ)-Hilfer nonlinear impulsive fractional differential equations, Math. Meth. Appl. Sci. (2023), 1–23, DOI 10.1002/mma.9450.
(Impact Factor: 3.007)

47. K. D. Kucche, A. D. Mali, A. Fernandez, H. M. Fahad, On tempered Hilfer fractional derivatives with respect to functions and the associated fractional differential equations, *Chaos, Solitons and Fractals,* 163 (2022), Article number 112547, 1-9.
https://doi.org/10.1016/j.chaos.2022.112547
(Impact Factor: 9.922)

46. A. D. Mali, **K. D. Kucche**, A. Fernandez, H. M. Fahad, On tempered fractional calculus with respect to functions and the associated fractional differential equations, *Mathematical Methods in the Applied Sciences* , 45(17) (2022) , 11134-11157.
(Impact Factor: 3.007)

45. K. D. Kucche, A. D. Mali, On the nonlinear Ψ-Hilfer hybrid fractional differential equations, *Computational and Applied Mathematics,* 41, (2022), Article 86, 1-23.
https://doi.org/10.1007/s40314-022-01800-x
(Impact Factor: 2.998)

44. P. U. Shikhare **, K. D. Kucche**, J. V. C. Sousa, On the nonlinear impulsive Volterra-Fredholm integrodifferential equations, *International Journal of Nonlinear Analysis and Applications,* 13 (1) (2022), 523-537.
https://ijnaa.semnan.ac.ir/article_5527.html

43. J. V. C. Sousa, **K. D. Kucche**, E. C. de Oliveira, Stability of mild solutions of the fractional nonlinear abstract Cauchy problem, *Electronic Research Archiv,* 30(1) (2021), 272–288.
https://www.aimspress.com/article/doi/10.3934/era.2022015
(Impact Factor: 1.604)

42. K. D. Kucche, A. D. Mali, On the nonlinear (k, Ψ)-Hilfer fractional differential equations, *Chaos, Solitons and Fractals,* 152 (2021): Article number 111335, 1-14. https://doi.org/10.1016/j.chaos.2021.111335
(Impact Factor: 9.922)

41. M. S. Abdo, T. Abdeljawad, **K. D. Kucche,** K. D. Alqudah, S. M. Ali, M. B. Jeelani, On nonlinear pantograph fractional differential equations with Atangana–Baleanu–Caputo derivative, Advances in Difference Equations, 2021 (2021): 65. https://doi.org/10.1186/s13662-021-03229-8
(Impact Factor: 2.830)

40. J. V. C. Sousa, **K. D. Kucche,** Existence, uniqueness and stability of fractional impulsive functional differential inclusions, São Paulo Journal of Mathematical Sciences, 15 (2021), 839–857.
https://doi.org/10.1007/s40863-021-00259-8

39. S. T. Sutar, **K. D. Kucche,** Existence and data dependence results for fractional differential equations involving Atangana-Baleanu derivative, Rendiconti del Circolo Matematico di Palermo Series 2, 71 (2022). 647–663.
https://doi.org/10.1007/s12215-021-00622-w

38. A. D. Mali, **K. D. Kucche,** J. V. C. Sousa, On coupled system of nonlinear Ψ-Hilfer hybrid fractional differential equations, International Journal of Nonlinear Sciences and Numerical Simulation, (2021), Article number: 0000101515202100l2, 1-21
https://doi.org/10.1515/ijnsns-2021-0012
(Impact Factor: 2.156)

37. K. D. Kucche, S. T. Sutar, Analysis of nonlinear fractional differential equations involving Atangana-Baleanu-Caputo derivative, *Chaos, Solitons and Fractals,* 143 (2021): Article number 110556*, 1-9.*
https://doi.org/10.1016/j.chaos.2020.110556
(Impact Factor: 9.922)

36. S. T. Sutar, **K. D. Kucche,** On nonlinear hybrid fractional differential equations with Atangana-Baleanu-Caputo derivative, *Chaos, Solitons and Fractals,* 143 (2021), Article number 110557, 1-11.
https://doi.org/10.1016/j.chaos.2020.110557
(Impact Factor: 9.922)

35. K. D. Kucche, J. P. Kharade, Analysis of impulsive φ–Hilfer fractional differential equations, *Mediterranean Journal of Mathematics*, 17 (5) (2020), Article number 163, 1-23. https://doi.org/10.1007/s00009-020-01575-7
(Impact Factor: 1.305)

34. A. D. Mali, **K. D. Kucche**, Nonlocal boundary value problem for generalized Hilfer implicit fractional differential equations, *Mathematical Methods in the Applied Sciences*, 43 (15) (2020), 8608-8631.
https://doi.org/10.1002/mma.6521
(Impact Factor: 3.007)

33. K. D. Kucche, J. P. Kharade, Global existence and Ulam-Hyers stability of Ψ-Hilfer fractional differential equations, *Kyungpook Mathematical Journal,* 60 (3) (2020), 647-671.
https://doi.org/10.5666/KMJ.2020.60.3.647

32. P. U. Shikhare, **K. D. Kucche**, J. V. C. Sousa, Analysis of Volterra integrodifferential equations with nonlocal and boundary conditions via Picard operator, *Computational and Applied Mathematics*, 39 (3) (2020), Article number 208, 1-18.
https://doi.org/10.1007/s40314-020-01234-3
(Impact Factor: 2.998)
31. K. D. Kucche, J. P. Kharade**,** J. V. C. Sousa, On the nonlinear impulsive Ψ–Hilfer fractional differential equations, *Mathematical Modelling and Analysis*, 25 (4) (2020), 642–660.
https://doi.org/10.3846/mma.2020.11445
(Impact Factor: 1.469)

30. K. D. Kucche, P. U. Shikhare, On impulsive delay integrodifferential equations with integral impulses, *Mediterranean Journal of Mathematics,* 17 (4) (2020), Article number 103, 1-22.
https://doi.org/10.1007/s00009-020-01541-3
(Impact Factor: 1.305)

29. K. D. Kucche, A. D. Mali, Initial time difference quasilinearization method for fractional differential equations involving generalized Hilfer fractional derivative, *Computational and Applied Mathematics,* 39 (1) (2020), Article number 31, 1-33.
https://doi.org/10.1007/s40314-019-1004-4
(Impact Factor: 2.998)

28. J. P. Kharade, **K. D. Kucche**, On the impulsive implicit Ψ-Hilfer fractional differential equations with delay, *Mathematical Methods in the Applied Sciences,* 43 (4) (2020), 1938-1952.
https://doi.org/10.1002/mma.6017
(Impact Factor: 3.007)

27. K. D. Kucche, J. J. Nieto, V. Venktesh, Theory of nonlinear implicit fractional differential equations, *Differential Equations and Dynamical Systems,* 28 (1) (2020), 1-17. https://doi.org/10.1007/s12591-016-0297-7 (Published online: 27 May 2016)

26. P. U. Shikhare, **K. D. Kucche**, Uniqueness and Ulam stabilities for nonlinear hyperbolic partial integrodifferential equations, *International Journal of Applied and Computational Mathematics,* 5 (6) (2019), Article number 156, 1-21
https://doi.org/10.1007/s40819-019-0742-8

25. S. T. Sutar, **K. D. Kucche**, On fractional Volterra integrodifferential equations with fractional integrable impulses, *Mathematical Modelling and Analysis,* 24 (3) (2019), 457-477.
https://doi.org/10.3846/mma.2019.028
(Impact Factor: 1.469)

24. **K. D. Kucche,** A. D. Mali, J. V. C. Sousa, On the nonlinear Ψ-Hilfer fractional differential equations, *Computational and Applied Mathematics*, 38 (2) (2019), Article number 73, 1-25. https://doi.org/10.1007/s40314-019-0833-5
(Impact Factor: 2.998)

23. J. V. C. Sousa, **K. D. Kucche**, E. C. de Oliveira, On the Ulam-Hyers stabilities of the solutions of Ψ-Hilfer fractional differential equation with abstract Volterra operator, *Mathematical Methods in the Applied Sciences,* 42 (9) (2019), 3021-3032. https://doi.org/10.1002/mma.5562
(Impact Factor: 3.007)

22. J. V. C. Sousa, **K. D. Kucche**, E. C. de Oliveira, Stability of ψ-Hilfer impulsive fractional differential equations, *Applied Mathematics Letters*, 88 (2019), 73–80. https://doi.org/10.1016/j.aml.2018.08.013
(Impact Factor: 4.397)

21. J. V. C. Sousa, E. C. de Oliveira, **K. D. Kucche**, On the fractional functional differential equation with abstract Volterra operator, *Bulletin of the Brazilian Mathematical Society, New Series,* 50 (4) (2019), 803-822.
https://doi.org/10.1007/s00574-019-00139-y
(Impact Factor: 1.246)

20. K. D. Kucche, P. U. Shikhare, Ulam stabilities for nonlinear Volterra delay integro-differential equations, *Journal of Contemporary Mathematical Analysis,* 54 (5) (2019), 276-287.
https://doi.org/10.3103/S1068362319050042
(Impact Factor: 0.494)

19. **K. D. Kucche**, P. U. Shikhare, Ulam stabilities for nonlinear Volterra-Fredholm delay integrodifferential equations, *International Journal of Nonlinear Analysis and Applications,* 9 (2) (2018), 145-159.
https://doi.org/10.22075/IJNAA.2018.12688.1647

18. K. D. Kucche, P. U. Shikhare, Ulam–Hyers stability of integrodifferential equations in Banach spaces via Pachpatte's inequality, *Asian-European Journal of Mathematics,* 11 (2) (2018), Article number 1850062, 1-19.
https://doi.org/10.1142/S1793557118500626

17. K. D. Kucche, P. U. Shikhare, Ulam stabilities via Pachpatte's inequality for Volterra–Fredholm delay integrodifferential equations in Banach spaces, *Note di Matematica*, 38 (1) (2018), 67-82.
https://doi.org/10.1285/i15900932v38n1p67

16. K. D. Kucche, S. T. Sutar, On existence and stability results for nonlinear fractional delay differential equations, *Boletim da Sociedade Paranaense de Matemática,* 36 (4) (2018), 55-77.
https://doi.org/10.5269/bspm.v36i4.33603

15. K. D. Kucche, J. J. Trujillo, Theory of system of nonlinear fractional differential equations, *Progress in Fractional Differentiation and Applications,* 3 (1) (2017), 7-18. http://dx.doi.org/10.18576/pfda/030102

14. K. D. Kucche, Y.-K. Chang, C. Ravichandran, Results on non-densely defined impulsive Volterra functional integrodifferential equations with infinite delay, *Nonlinear Studies*, 23 (4) (2016), 651-664.
http://nonlinearstudies.com/index.php/nonlinear/article/view/1415

13. S. T. Sutar**, K. D. Kucche,** Global existence and uniqueness for implicit differential equation of arbitrary order, *Fractional Differential Calculus*, 5 (2) (2015), 199-208. http://dx.doi.org/10.7153/fdc-05-17

12. K. D. Kucche, M. B. Dhakne, On second order mixed functional integrodifferential equations, *Azerbaijan Journal of Mathematics*, 5 (1) (2015), 29-43. https://azjm.org/volumes/0501/0501-3.pdf

11. K. D. Kucche, Existence and controllability results for mixed functional integrodifferential equations with infinite delay, *Demonstratio Mathematica*, 47 (4) (2014), 893-909.
https://doi.org/10.2478/dema-2014-0072
(Impact Factor: 2.093)

10. C. Ravichandran, N. Valliammal, **K. D. Kucche**, Controllability of neutral functional integrodifferential equations via resolvent operators in Banach spaces, *International Journal of Applied Engineering Research*, 9 (23) (2014), 19751-19766. https://www.ripublication.com/Volume/ijaerv9n23.htm

9. K. D. Kucche, M. B. Dhakne, Existence of solution via integral inequality of Volterra-Fredholm neutral functional integrodifferential equations with infinite delay, *International Journal of Differential Equations,* 2014 (2014), Article number 784956, 1-13 .
https://doi.org/10.1155/2014/784956

8. K. D. Kucche, M. B. Dhakne, Sobolev-type Volterra-Fredholm functional integrodifferentialequations in Banach spaces, *Boletim Socidade Paranaense de Mathematica,* 32 (1) (2014), 239-255.
https://doi.org/10.5269/bspm.v32i1.19901

7. K. D. Kucche, M. B. Dhakne, Controllability of Non-densely Defined Functional Mixed Integrodifferential Equations in Banach Spaces, *Communications on Applied Nonlinear Analysis,* 20 (4) (2013), 17–32.

6. K. D. Kucche, M. B. Dhakne, On existence results and qualitative properties of mild solution of semilinear mixed Volterra–Fredholm functional integrodifferential equations in Banach spaces, *Applied Mathematics and Computation,* 219 (22) (2013), 10806-10816. https://doi.org/10.1016/j.amc.2013.05.005
(Impact Factor: 4.091)

5. K. D. Kucche, M. B. Dhakne, Controllability of non-densely defined abstract mixed Volterra-Fredholm neutral functional integrodifferential equations, *Asian-European Journal of Mathematic*, 6 (2) (2013), 1350025, 1-7.
https://doi.org/10.1142/S1793557113500253

4. K. D. Kucche, M. B. Dhakne, Controllability results for second order abstract mixed Volterra-Fredholm functional integrodifferential equations, *Pan American Mathematical Journa*l, 22 (4) (2012), 109-121.

3. M. B. Dhakne and **K. D. Kucche**, Global existence for abstract nonlinear Volterra-Fredholm functional integrodifferential equation, *Demonstratio Mathematica*, 45 (1) (2012), 117-127.
https://doi.org/10.1515/dema-2013-0349
(Impact Factor: 2.093)

2. M. B. Dhakne, **K. D. Kucche**, On mild solution of second order functional integrodifferential equation with nonlocal condition, *Communications on Applied Nonlinear Analysis,* 18 (3) (2011), 79–88.

1. M. B. Dhakne, **K. D. Kucche**, Existence of mild solution of mixed Volterra-Fredholm functional integrodifferential equation with nonlocal condition, *Applied Mathematical Sciences*, 5 (8) (2011), 359-366.
http://www.m-hikari.com/ams/ams-2011/ams-5-8-2011/kuccheAMS5-8-2011.pdf

Conference / Seminar Proceedings:

1. M. B. Dhakne, **K. D. Kucche**, On mild solutions of abstract nonlinear mixed Volterra-Fredholm functional integrodifferential equations, *Proceedings of the International conference on mathematical sciences in honor of Professor A. M. Mathai*, (2011), 113-126.

2. **K. D. Kucche**, M. B. Dhakne, Existence results for semilinear Volterra-Fredholm functional integrodifferential equations, *e-proceeding of International Conference on Advances in Modeling, Optimization and Computing (AMOC - 2011).* (ISBN-81-86224-71-2).

Book Chapters in Edited Books:

1. Monotone Iteration Principle in the Theory of Hadamard Fractional Delay Differential Equations, Chapter 5, In: Frontiers in Fractional Calculus, Editors: Sachin Bhalekar, Bentham Science Publishers, ISBN (Online): 978-1-68108-599-9, ISBN(Print): 978-1-68108-600-2, (2018).

Books Co-Authored:

7. C. T. Aage, **K. D. Kucche**, Complex Analysis, Yashwantrao Chavan Maharashtra Open University, 2022, (ISBN: 978-93-95855-32-7)**.**

6. S. H. Thakar, **K. D. Kucche**, Functional Analysis, Shivaji University Press, 2015, (ISBN: 978-81-8486-667-4)**.**

5. S. R. Chaudhari, U. H. Naik, **K. D. Kucche**, Complex Analysis, Shivaji University Press, 2014, (ISBN: 978-81-8486-136-5)**.**

4. S. H. Thakar, **K. D. Kucche**, Differential Equations, Shivaji University Press, 2013, (ISBN: 978-81-8486-261-2)**.**

3. M. S. Chaudhary, **K. D. Kucche**, Integral Equations, Shivaji University Press, 2009, (ISBN: 978-81-8486-261-4)**.**

2. S. R. Khillare, **K. D. Kucche**, Engineering Mathematics-III, Vidyarthi Prakashan, Aurangabad, 2013. (ISBN: 978-81-930896-5-1)**.**

1. S. R. Khillare, **K. D. Kucche**, A. C. Dabhole, G. C. Lomte, Engineering Mathematics-I, Vidyarthi Prakashan, Aurangabad, 2011. (ISBN: 978-81-930896-3-7)**.**

Invited Talk (Conferences / Seminar / Workshops):

22. International Conference on Multidisciplinary Research-2022, 22-24 November 2022, Sharnabasva University, Kalburgi, Karnataka: *Ulam Stabilities of Integrodifferential Equations.*

21. National Conference on Recent Developments in Fractional Calculus and its Applications, 18-19 November 2022, SASTRA Deemed to be University, Thanjavur, Tamil Nadu: *Calculus of* (k,ψ)*-Hilfer Fractional Derivative.*

20. Online One Day National Conference on Recent Advances in Mathematics -2022 (NCRAM-2022) - 27th May 2022, Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji: *Riemann Liouville and Caputo Fractional Derivatives: A Review.*

19. International Conference on Fractional Calculus - 2022, 18-19 January 2022, School of Mathematics and Statistics, University of Hyderabad: *Calculus of Generalized Hilfer Fractional Derivatives*

18. One day online National Conference on Recent Trends In Mathematics, 27 August 2021, IQAC and Department of Mathematics, Shri Pancham Khemraj Mahavidyalaya Sawantwadi: *Differential Equations Involving Generalized Fractional Derivative*

17. National Conference on Recent Frontiers in Fractional Calculus Theory and its Applications (NCFCTA 2021), March 7-8, 2021, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai, Tamilnadu, India: *Nonlinear Fractional Dynamical Systems: Recent Developments, Challenges and Applications.*

16. National Conference on Recent Developments in Pure and Applied Mathematics (NCRDPAM-2019), February 26-27, 2019, Yashwantrao Chavan Institute of Science, Satara, Maharashtra, India (Autonomous): *Analysis of Cauchy Problem Involving Generalized Fractional Derivative.*

15. Two Days Regional Conference on Advances in Mathematics along with Student Carnival, February 01-02, 2019, Padmabhushan Dr. Vasantraodada Patil Mahavidyalaya, Tasgaon, Maharashtra, India: *Ulam type Stabilities for Differential and Integrodifferential Equations.*

14. Two days state level seminar on Emerging Trends in IT, January 18-19, 2019, Arts , Commerce and Science College, Landewadi, Bhosari, Pune, Maharashtra, India: *Introduction to Latex.*

13. National Conference on Algebra, Analysis and Number Theory, January 13-14, 2018, School of Mathematical Sciences, North Maharashtra University, Jalgaon, Maharashtra, India: *Ulam Stabilities for Volterra Delay Integrodifferential Equations.*

12. Two Weeks Faculty Development Programme on Advances in Applied Mathematics, December 11-22, 2017, Government College of Engineering, Karad, Maharashtra, India: *Basics of Fractional Calculus.*

11. National Workshop on Fractional Calculus and its Applications, March 23-25, 2017, School of Mathematical Sciences Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra, India: *Theory of Nonlinear Fractional Differential Equations.*

10. 24th Annual Conference of SUMS on Recent Trends in Mathematics and Student's Carnival; March 18, 2017 Raje Ramrao, Mahavidyalalya, Jath-Sangli, Maharashtra, India: *Fractional Derivatives: Riemann-Liouville versus Caputo Derivatives.*

9. Symposium on "Integral Inequalities and Applications" of 82nd Annual Conference of the Indian Mathematical Society, December 27-30, 2016, Kalyani University, Kalyani, West Bengal, India: *Role of Integral Inequalities in the Study of Differential and Integro-differential Equations.*

8. National Conference on Numerical Methods and its Applications in Science and Engineering, April 2-3, 2016, Karnataka Arts, Science and Commerce, College, Bidar, Karnataka, India: *Existence and Qualitative Properties of Implicit Fractional Differential Equations.*

7. National Seminar on Recent Trends in Differential Equations and its Applications, January 30-31, 2016, Changu Kana Thakur, Arts Commerce and Science College, New Panvel, Maharashtra, India: *Implicit Differential Equations Involving Caputo Fractional Derivative.*

6. National Conference on Recent Advances in Mathematics, January 21-23, 2016, Mrs. KSK Alias Kaku Arts, Science and Commerce College, Beed, Maharashtra, India: *Basic Theory of Nonlinear Fractional Differential Equations.*

5. National Conference on Recent Trends in Mathematics, December 18-19, 2015, Deshbhakta Anandrao Balawantrao Naik Arts and Science College, Chikhali, Sangli, Maharashtra, India: *On a Class of Nonlinear Fractional Differential Equations with Caputo Derivative.*

4. Seventh International Conference on Dynamical Systems and Applications & Fifth International Conference on Neural, Parallel and Scientific Computation, May 27-30, 2015, Morehouse College, Atlanta, Georgia, USA: *Non Densely Defined Impulsive Functional Differential Equations with Infinite Delay.*

3. National Conference on Recent Analysis and Applications in Discrete Mathematics, February 13-14, 2015, Raja Lakhamgauda Science Institute, Belgavi, Karnataka, India: *Semigroup Theory and Abstract Cauchy Problem.*

2. National Conference on Algebra, Analysis and Fuzzy Mathematics, January 20-23, 2014, Department of Mathematics, North Maharashtra University, Jalgaon, Maharashtra, India: *Existence and Controllability Results for Mixed Functional Integrodifferential Equations with Infinite Delay.*

1. State level Seminar on Applications of Advanced Mathematics and Research Methodologies in Mathematical Sciences, October 16-17, 2014, Shri Vijay Sinha Yadav Arts and Science College, Pet Vadgaon, Dist. Kolhapur, Maharashtra, India: *Functional Integrodifferential Equations with Finite Delay.*

Research Paper Presented at Conferences:

- ***International Conferences***

14. International Conference on PDE & Applications, Modeling and Simulation (ICPAMS' 21), June 2- 3, 2021, Beni Mellal, *Morocco ψ -Hilfer Hybrid Fractional Differential Equations.*

13. International conference Methods of Nonlinear Analysis in Differential and Integral Equations which held in May 15-16 and May 22-23, 2021, Rzeszów University of Technology, Poland: *Impulsive Ψ-Hilfer Fractional Differential Equations.*

12. International e-Conference on Pure And Applied Mathematical Sciences (ICPAMS-2021), 7-10 June 2021, Tunisia - Saudi Arabia: *(k; Ψ) -Hilfer Fractional Derivative.*

11. International Conference on Special Functions and Applications (ICSFA-2020), December 22-23, 2020, Babu Banarasi Das University, Lucknow, Uttar Pradesh, India: *On the Atangana-Baleanu Nonlinear Fractional Differential Equations.*

10. 3rd International Conference on Mathematical Modelling, Applied Analysis and Computation-2020, August 7-9, 2020, JECRC University Jaipur, Rajasthan, India: *On the ABC-Nonlinear Fractional Differential Equations.*

9. 2nd International Conference on Mathematical Modelling, Applied Analysis and Computation-2019, August 8-10 2019, JECRC University Jaipur, Rajasthan, India: *Analysis of Nonlinear Ψ-Hilfer Fractional Differential Equations.*

8. International Conference on Mathematical Sciences-2015, Sadguru Gadge Maharaj College, Karad, September 15-16, 2015: *Non Densely Defined Impulsive Volterra Functional Integrodifferential Equations.*

7. International Conference on Emerging Trends in Mathematical Sciences (ICETMS-2014), Department of studies in Mathematics, Vijayanagara Sri Krishnadevaraya University, Bellary, Karnataka, July 25-26, 2014: *Existence Results via Resolvent Operators for Mixed Functional Integrodifferential Equations with Infinite Delay in Abstract Spaces.*

6. International Conference on Recent Advances in Mathematics (ICRAM 2014), Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, January 20-23, 2014: *Controllability of Non-densely Defined Abstract Mixed Volterra-Fredholm Neutral Functional Integrodifferential Equations.*

5. 18th annual cum 3rd International Conference of Gwalior Academy of Mathematical Sciences (GAMS), Maulana Azad National Institute of Technology, (MA NIT) Bhopal, M. P. India, September 22-26, 2013: *Existence Results and Qualitative Properties of Mild Solution of Semilinear Mixed Volterra-Fredholm Functional Integrodifferential Equations in Banach Spaces.*

4. International Conference on Mathematical Sciences, Nagpur, India, December 28-31, 2012: *Volterra-Fredholm Functional Integrodifferential Equations with Infinite Delay in Abstract Spaces.*

3. International conference on mathematical sciences in honor of Professor A. M. Mathai, Pala, Karla, January 3-5, 2011: *On Mild Solution of Mixed Volterra-Fredholm Functional Integrodifferential Equation.*

2. International Conference on Advances in Modeling, Optimization and Computing (AMOC - 2011), IIT Roorkee, India, December 5-7, 2011: *Existence Results for Semilinear Volterra-Fredholm Functional Integrodifferential Equations.*

1. International congress of Mathematicians, Hyderabad, August 19-27, 2010: *Global Existence for Volterra-Fredholm Functional Integrodifferential Equations.*

- ***National Conferences:***

7. 78th Annual Conference of Indian Mathematical Society, Banaras Hindu University (BHU), Varanasi-221 005 (UP), January 22-25, 2013: *Controllability Results for Second Order Nonlinear Mixed Neutral Functional Integrodifferential Equations in Abstract spaces.*

6. National Conference on Current Practices in Mathematics, Statistics and Actuarial Science, School of Mathematical Sciences, North Maharashtra University, Jalgaon, March 7-8, 2013: *Sobolev-type Volterra-Fredholm Functional Integrodifferential Equations in Banach Spaces.*

5. National Conference on Mathematical Sciences (NCMS-2012), School of Mathematical Sciences, North Maharashtra University, Jalgaon, March 5, 2012: *Controllability of non-densely defined abstract mixed Volterra-Fredholm functional integrodifferential equations.*

4. National Conference on Evolution Equations: Theory Methods and Applications (NCEETMA-2012), IIT Kanpur, U. P., December 7-8, 2012: *On Second Order Mixed Functional Integrodifferential Equations.*

3. National conference on Recent Frontiers in Applied Dynamical Systems, Coimbatore, Tamilnadu, January 21-22, 2011: *Global Existence for Second Order Mixed Volterra-Fredholm Functional Integrodifferential Equation.*

2. 77th Annual Conference of Indian Mathematical Society, S. R. T. M. University, Nanded, December 27-30, 2011: *Controllability of Second Order Abstract Mixed Volterra-Fredholm Functional Integrodifferential Equation.*

1. National Conference in Mathematics (NCM-2005), Yashvantrao Chavan Institute of Science, Satara, December 22 - 24, 2005: *Circle as a Vector*.

Refresher, FDP and Orientation Courses:

7. *"50 years of Functional Differential Equations at ICMC",* 02-06 August, 2021, Institute of Mathematics and Computer Sciences, University of São Paulo, São Carlos, Brazil.

6. "*Online Two - Week Refresher Course in Mathematical Sciences*", from 14-28 June, 2021 at Teaching Learning Centre, Ramanujan College, University of Delhi *under the aegis of* Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching.

5. "*Faculty Development Programme on Educational Video Creation (E-content Development)*", 05-10 June 2020 at Bharati Vidhapeeth's College of Engineering, Kolhapur.

4. "*Two Weeks Faculty Development Programme on MANAGING ONLINE CLASSES and CO-CREATING MOOCS: 2.0*", from 18 May – 03 June, 2020 at Teaching Learning Centre, Ramanujan College, University of Delhi *sponsored by* Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching.

3. "*Special Winter School in Computational Mathematics*", from 06-26 November 2017 at UGC-HRDC, Savitribai Phule Pune University, Pune.

2. "*UGC Sponsored Refresher course*" in the subject Research Methodology, from 09-29 November 2010 at Dr. Babasaheb Ambedkar Marathwada University UGC-Academic Staff College.

1. "*UGC Sponsored Orientation Course*" from 22 June - 18 July 2009 organized by UGC-Academic Staff College, Osmania University, Hyderabad.

Organization of Conferences / Workshops:

12. *Convener, National Conference on Mathematical Analysis and Applications-2022 (NCMAA-2022),* Department of Mathematics, Shivaji University, Kolhapur, 21-22 March 2022.

11. *Co-Convener, Mini-Symposium on Fractional Calculus Applications in Science & Engineering,* Department of Mathematics, Sant Longowal Institute of Engineering & Technology, Longowal, Punjab, December 21-22, 2021.

10. *Organizer, One Day Workshop on Fractional Differential Equations: Analysis and Applications*, Department of Mathematics, Shivaji University, Kolhapur, March 09, 2020.

9. *Organizing secretary, National Seminar on Algebra-2020*, Department of Mathematics, Shivaji University, Kolhapur, February 14-15, 2020.

8. *Organizing secretary, CSIR sponsored National Workshop on Linear Algebra and its Applications -2018*, Department of Mathematics, Shivaji University, Kolhapur, February 28 -March 05, 2018.

7. *Convener, UGC-SERB-CSIR sponsored National Seminar on Differential Equations and Dynamical Sytemes-2017*, Department of Mathematics, Shivaji University, Kolhapur, February 27-28, 2017.

6. *Convener, UGC-SERB sponsored National Conference on Differential Equations-2015,* Department of Mathematics, Shivaji University, Kolhapur, January 29-30, 2015.

5. *Organizing secretary, UGC-NBHM sponsored National Workshop on Algebra-2015*, Department of Mathematics, Shivaji University, Kolhapur, December 21-26, 2015.

4. *Organizing secretary, National Mathematics Day, Sponsored by NCSTC, DST- Govt. of India and Rajiv Gandhi Science and Technology Commission,* Department of Mathematics, Shivaji University, Kolhapur, December 22, 2014 to March 05, 2015.

3. *Organizing secretary, UGC-DST sponsored National Conference on Dynamical Systems-2013*, Department of Mathematics, Shivaji University, Kolhapur, December 23-24, 2014.

2. *UGC Sponsored NET/SET workshop* for the student of M. Sc. (Mathematics) at Department of Mathematics, Shivaji University, Kolhapur, February 11-16, 2013.

1. *UGC Sponsored NET/SET workshop* for the student of M. Sc. (Mathematics) at Department of Mathematics, Shivaji University, Kolhapur, August 12-20, 2012.