

Name of the faculty: Dr. Bhadane Ashok Parasharam



Designation	Head & Professor
Name of the department	PG Dept & Research Centre of Mathematics
E-mail	ashokbhadane6885@gmail.com
Qualification	M. Sc. (MATHEMATICS), Ph. D.
Administrative Experience <ol style="list-style-type: none">1. Head of Department2. Admission Committee Chairman for M. Sc. and B. Sc. [Mathematics]3. Member of Research Advisory Committee	
Representation on Academic / Administrative bodies / Member of organizational bodies. <ol style="list-style-type: none">1. BOS member in Mathematics at SPPU, Pune from August 2010 To August 20152. Member of Faculty of SPPU, Pune from August 2010 To August 20153. BOS member in Mathematics at Sandip University, Nashik from 2016 – 17 To till Today4. Member of LIC committees at various colleges in SPPU, Pune5. Committee member of Syllabus restructuring at U.G. and P. G. level	
Teaching Experience: 30 Years at UG / PG	
Awards: “Bharat Vidya Ratan Award” by International Business Council, New Delhi in 2017	
Research Guidance for M.Phil./Ph.D./Project <ol style="list-style-type: none">1. Ph. D. guide in the subject of Mathematics at S.P.P.U., Pune and JJTU, Rajasthan2. 03 students (02 SPPU + 01 JJTU) have been awarded Ph. D.3. 02 students (S.P.P.U.) and 01 student (JJTU) were perusing Ph. D.	
Research paper published / presented <ol style="list-style-type: none">1. Study of Fluid using Matrix Analysis, IJSRST, Vol.5(4), pp. 09 – 13, Jan. 2019, ISSN: 2395 –602X2. A review on Impact of Crude oil and Natural Gases on Indian Economy, Research Journey: International , E – Research Journal, Issue 87(A), pp. 169 – 171 , 2019, SSN: 2348 - 71433. New conformable fractional Elzaki transformation: Theory and applications, Malaya Journal of Matematik, Vol. S(1), pp.619 – 625,2019, ISSN: 2321 – 56664. On two dimensional new integral transformation and its applications, Malaya Journal of Matematik, Vol. S(1), pp.638 – 643, 2019, ISSN: 2321 – 56665. New Generalized fractional Elzaki – Tarig and other fractional integral transforms with its applications to fractional differential equations International Journal of Mathematical Sciences, Vol.18(1-2), pp.59–70, 2019, ISSN: 0972 – 754X6. Applications of Tarig Transformation to new fractional derivatives with Non singular kernel, Journal of Fractional Calculus and Applications, Vol. 9(1), pp. 35 – 41, 2018, ISSN: 2090 – 58587. Applications of New conformable fractional Elzaki Derivative, International Journal of Research and Analytical Reviews, Vol. 6(1), pp. 94 – 97, 2018, ISSN: 2349 – 51388. Generalized Elzaki – Tarig transformation and its applications to new fractional derivative with Non singular Kernel, Progress in Fractional Differentiation and Applications, Vol. 3(3), pp. 227 –232, 2017, ISSN: 2356 – 93369. Solution of Nonlinear Partial Differential Equations using Modified Charpit’s Method, International Journal of Engineering Science and Computing, Vol.6(8), pp. 2651 – 2653, 201610. Study of fractional Transforms and its applications, International Journal of Universal Mathematics and Mathematical Sciences, Vol. 2(1), pp. 53 – 61, 2016, ISSN: 2454 – 727111. Approximations to the solution of R – L space fractional heat equation in terms of Kummer’s hyper geometric functions by using Fourier transform method: A new approach, International Journal of Advanced Research in Mathematics, Vol.5, pp.2297-6213, 2016, ISSN: 2297 – 6213	

12. An Alternative method to North – West corner method for solving transportation problem Bizz...Ness, The research journal of the Ness Wadia College of Commerce, Pune Vol. II(I), pp.123-126, 2016, ISSN: 2277 – 4823
13. Local fractional Fourier transform in fractional differential equation, Mathematical Sciences: International Research Journal, Vol.4(1), 2015, ISSN:2278 – 8697
14. LU factorization method to solve Linear programming problem, International Journal of Emerging Technology and Advanced Engineering, Vol.4(4), pp.176 – 180, 2014, ISSN: 2250 – 2459
15. Volterra type integral inequalities with singular kernel in two variables, DAV International Journal of Science, Vol.2(1), pp.30 – 34, 2013, ISSN: 2277 – 5536
16. Some new nonlinear retarded integral inequalities and applications, Bulletin of the Marathwada Mathematical Society, Vol.14(1), pp.56-70, 2013, ISSN: 0976 – 6049
17. Integer programming problem with progressive series & Fibonacci series , Applied Science Periodical, Vol. XV(2), pp.80-84, 2013, ISSN: 0972 – 5504
18. Generalization of Biagioni's Integral Inequalities and Applications, Applied Science Periodical, Vol.XIV(2), pp.67-81,2012, ISSN: 0972 – 5504
19. New modified approach to find initial Basic feasible solution to transportation problem using statistical technique, Antarctica Journal of Mathematics, Vol.9(7), pp.581 – 587, 2012, ISSN: 0972 – 8643
20. Product solutions of self adjoint differential equations, Journal of Research, Vol.4, pp.50-57, 2012, ISSN: 2249 – 9016
21. Basic Developments of fractional calculus and its applications, Bulletin of the Marathwada Mathematical Society, Vol.12(2), pp. 1 – 17,2011, ISSN: 0976 – 6049
22. Volterra type integral inequalities with singular kernel, GANITA Vol.60(2), pp.57-65, 2009 ISSN: 0046 – 5402
23. Hermitian type operators of second order differential equations, Journal of Natural & Physical Sciences, Vol.20(1-2), 2007, ISSN: 0097 – 3799
24. Integral inequalities of Bellman – Bihari – Biagioni type, Applied Science Periodical, Vol. IV(4), pp. 190- 197,2002, ISSN: 0972 – 5504
25. APB's Statistical Quartile method for IBFS of a Transportation problem and comparison with least cost method, IJRAR, Vol.7, pp.132-135, 2020, ISSN: 2349 – 5138
26. APB'S method for the IBFS of a transportation problem and comparison with VAM QUEST, Journals Inc, Volume -6 ,pp. 28-32, 2020, ISSN: 2394 – 0743
27. A new algebraic method for the initial basic feasible solution of transportation problem and comparison with least cost method, IJRAR, Vol. 7 , pp. 994-997, 2020, ISSN: 2348 – 1269
28. A new algebraic method for IBFS of a transportation problem and comparison with NWC method , IJSR, Vol. 9, pp. 89- 90, 2020, ISSN: 2319 – 7064
29. APB'S method for IBFS of a transportation problem and comparison with least cost method, IJREAM, Vol. 6 , pp.95-97, 2020 , ISSN: 2454 – 9150
30. APB's statistical quartile method for IBFS of a transportation problem and comparison with NWC method, IJERA, Vol. 10, pp.19-21, 2020, ISSN: 2249 – 9620
31. Tarate, S. A., Bhadane, A. P., Gaikwad, S. B., & Kshirsagar, K. A. (2022). Sumudu-iteration transforms method for fractional telegraph equations. *J. Math. Comput. Sci.*, 12, Article-ID.
32. Bhadane, A. P., Manjarekar, S. D., Dighavakar, C. G., & Ahire, P. A. New Congruence Method towards Assignment Problem.
33. A New definition of fractional derivatives with Mittag – Leffeler Kernel for two parameters, S. M. Chinchole and A. P. Bhadane, Comm. In Mathematics and Applications, 2022.
34. On properties of new fractional derivatives with Mitag – Leffeler Kernel of two parameters, IJDE, 2022
35. A new family of special polynomials with fractional integrals, IJDE, 2022

Paper Presentation

1. Best Practices in Higher Education, IQAC, LVH College, Nashik, National, Challenges in Higher Education, 30 – 31 Jan. 2020
2. Research Methodology SPPU, Pune, State, Research in Mathematics, January 2019
3. Internet of Things (IOT) and its applications, NACSC, Ahmednagar, International Applications of new conformable fractional Elzaki Derivative, 23 – 24 January 2019
4. Innovations in Nanomaterials and their applications, BCUD SPPU, Pune International On Applications of fractional calculus, 18 – 20 Jan. 2018
5. Innovations in Nanomaterials and their applications, BCUD SPPU, Pune International Elzaki – Tarig transformation with its generalization and applications, 18 – 20 Jan. 2018
6. Current trends in Pure And Applied Mathematics, BCUD SPPU, Pune, State, Application of Matrix in study of Navier – Stokes Equations, 12 – 13 Jan. 2018
7. Recent trends in Mathematics and its Applications, SPPU, Pune, National, Applications of conformable fractional Laplace and new generalized Elzaki – Tarig transformation, 27 – 29 Dec. 2018
8. Recent Applications of Mathematics and Statistics, SPPU, Pune State, Applications of Mathematics in real life, 03 Feb. 2018
9. MSG College, Malegaon, International, On some relations between semi infinite integral transformation, December 2016
10. Emerging Trends and Issues in Research and Developments, BCUD, SPPU, Pune, International Study of solution of linear Non homogeneous pde by using Laplace Transform, 17 – 18, February, 2016
11. Recent Trends in Fractional Calculus: Theory and Applications, BCUD, SPPU Pune, National Fractional Calculus: History and Applications, 10 – 11, March, 2016
12. Recent Advances in Mathematics, ASC College, Beed, National Solution of Non – linear partial differential equation using modified charpit’s equation, 21–23,Jan. 2016
13. Recent trends in Mathematics & Statistics with Applications to commerce, Economics, Finance & Mngt., UGC Sponsored, National, Applications of Mathematics in Finance, 21–22, March 2016
14. e – ICNAA 2020, UGC CPE Sponsored, International, A survey on variable – order fractional differential operator in anomalous diffusion modelling, 27-29 July 2020
15. 22nd FAI – ICMCIE 2020, The American College, Madurai International On Statistical third Quartile method for IBFS of TP and comparison with NWC and LC Method, 20 – 22 December 2020
16. Presented a paper entitled “Solution of Jafari’s Integral Transformations towards Integral Transformation” in the International Conference on Recent Trends in Mathematical Sciences, (ICRTMS - 2021) organized by Himachal Ganita Parishad on 11th & 12th December, 2021.

Books published / chapter in a book

1. A cup of Coffee with Differential Geometry, Sahitya Sagar Publication, Kanpur

Conferences/Seminars/ Workshop organized

1. 01 day workshop on “Research Methodology” on 03rd March , 2022
2. 02 days National Conference on “Industrial Mathematics and Opportunities in IT” from 22/03/2022 To 23/03/2022
3. 03 days International level webinar from 09 To 11 November, 2020 on “Recent Trends in Mathematics and its Application”.
4. 02 days National Conference on “Recent Trends in Fractional Calculus: Theory and applications” held from 10 – 11 March, 2016.
5. 02 days State level conference on “Research Methodology” from 30 To 31 , January, 2019.

Conferences/Seminars/ Workshop attended

1. Participated in Two Day National Webinar on “Wavelets, Frame Theory and Its Applications” held at the Department of Mathematics, Mahatma Gandhi University, Nalgonda, T.S, sponsored by University Grants Commission, New Delhi during October 13th-14th, 2020.
2. Participated in National Level webinar on “Intellectual Property Rights (IPR)” organized by IQAC & Department of Commerce, Smt. Pushpatai Hiray Arts, Science and Commerce Mahila Mahavidyalaya on 12th October, 2020.

Experience as Resource Person

1. Invited as a Resource person at International Conference on “Innovations in Nanomaterials and their applications” from 18 – 20 Jan. 2018
2. Invited as a Resource person at State level workshop on “Current trends in Pure And Applied Mathematics” from 12 – 13 Jan. 2018

Social Media links**Google Research Scholar**<https://scholar.google.com/citations?hl=en&user=YwQx000AAAAJ>