International Conferences:

2023-2024

- 1. Vaishali and Neeru Adlakha, "A Computational Model of System Dynamics of Calcium and Nitric Oxide in Pancreatic β -Cell", ICGAMS-2023 organized by VNSGU and SVNIT, Surat
- Vaishali and Neeru Adlakha, "A Computational Model for Intracellular Calcium Dynamics in α-Cell Regulating ATP Production", ICCMSE-2023 organized by PDEU, Gandhinagar

Aaishwarya Bajaj and Jayesh M. Dhodiya, "Solution of Multi-Objective Travelling Salesman Problem with Carbon Emission by Aspiration Level based Multi-Objective Quasi Oppositional Java Algorithm" presented in International Conference on 'Mathematical

 Oppositional Jaya Algorithm" presented in International Conference on 'Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2023)' held by Department of Mathematics, SVNIT, Surat, 395007, Gujarat, India during 23-24 June 2023.

Aaishwarya Bajaj and Jayesh M. Dhodiya, "Aspiration Level based Multi-Objective Quasi Oppositional Jaya Algorithm to solve Multi-Objective Solid Travelling Salesman Problem

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Aaishwarya Bajaj and Jayesh M. Dhodiya, "Solution of Multi-Objective Solid Travelling Salesman Problem with carbon constraint by Aspiration Level-based Multi-Objective Quasi Oppositional Jaya Algorithm" presented in 2023 CDLU-AIMT International Conference on

5. Innovation in Science, Management and Technology (ICISMT) held by Department of Business Administration, Chaudhary Devi Lal University, Sirsa, Haryana, India American Institute of Management and Technology (AIMT), USA sponsored by Department of Business, Management & Accounting, University of Maryland Eastern Shore, USA on August 17-18, 2023

Aaishwarya Bajaj and Jayesh M. Dhodiya, "Aspiration Level based Multi-Objective Quasi Oppositional Jaya Algorithm to solve Solution of Multi-Objective Travelling Salesman

- 6. Problem to reduce Carbon Emission" presented in International Conference on 'Mathematical Modelling, Simulation and Computational Methods (MMSCM-2023)' held by Department of Mathematics, SVNIT, and Department of VNSGU, Surat, 395007, Gujarat, India jointly with GAMS during 11-13 December 2023.
- Aniket Todkar and Jayesh Dhodiya "Solution of multi-objective shortest path problem using genetic algorithm variants", presented in International Conference on 'Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2023)' held by Department of Mathematics, SVNIT, Surat, 395007, Gujarat, India during 17-18 June 2023.

Aniket Todkar and Jayesh Dhodiya "Genetic algorithm variants for solving multi-objective
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9.

Hardikkumar S. Radadiyaand Jayesh M. Dhodiya, "Grid Algorithm Based Solution of Fuzzy Multi-objective Transportation Problem with trapezoidal fuzzy numbers"

 presented in International Conference on 'Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2023)' held by Department of Mathematics, SVNIT, Surat, 395007, Gujarat, India during 23-24 June 2023.

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13. Multi-objective Transportation problems", Published by Department of Mathematics, VNSG University, Surat, page no.-155 in proceeding of 4th Prof .P. C Vaidya International Conference on Mathematical Science -2023.

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A robust semi-analytic technique to Study Strongly Nonlinear Singular Boundary Value Problem presented at the 10th International Conference and 26th Annual Conference of

 Gwalior Academy of Mathematical Sciences (ICGAMS-2K23) on "Mathematical Modelling, Simulation and Computational Methods" (MMSCM-2023), Veer Narmad South Gujarat University, (VNSGU) during December 11–13, 2023.

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 17. Mathematical Sciences (ICGAMS-2k23 on "Mathematical Modeling Simulation and Computational Methods" organized by Department of Mathematics VNSGU, Surat and SVNIT, Surat during 11-13 Dec.2023

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18. Problem with Volume Discount by Jaya Algorithm presented in 3rd International Conference on "Mathematical Modelling and Simulation in Physical Science (MMSPS-2023)" organised by SVNIT, Surat, Online Mode during 23-24 June, 2023.

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M. Kumar and R. K. Jana, Approximate solution to Riemann problem arising
 inhyperbolic conservation equation, The 6th Mediterranean International Conference of
 Pure & Applied Mathematics and Related Area at UniversitedEvry, Paris, France during
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K. Kushwaha and R. K. Jana, Analyzing the Productivity in Cultivation of MajorRabi
Crops in India using NSGA-III, presented at 89th Annual Conference of Indian Mathematical Society: An International Meet held at BITS Pilani -Hyderabad Campus, Hyderabad during December 22 25, 2023. (Paper presented byK. Kushwaha)

R. Mondal and R. K. Jana, An EOQ Model of Deteriorating Items with Inflationinduced Dynamic Demand in an Imprecise Planning Horizon, presented at 89th Annual

- 26. Conference of Indian Mathematical Society: An International Meet held at BITS Pilani -Hyderabad Campus, Hyderabad during December 22 25, 2023. (Paper presented by R. Mondal)
- M. Kumar and R. K. Jana, Approximate analytical method for hyperbolic system of partial differential equations, presented at 89th Annual Conference of Indian Mathematical Society: An International Meet held at BITS Pilani– Hyderabad Campus, Hyderabad during December 22 25, 2023. (Paper presented by M. Kumar)

R. K. Jana, A. Mondal and D. K. Jana, Pricing strategies of substitutable productsin a fuzzy dual channel supply chain, presented at 4th International Conference on Engineering Mathematics & Computing (ICEMC 2024) held at HIT, Haldiaduring March 07-09, 2024.

 Jyoti U. Yadav and Twinkle R. Singh, "Comparative study on two novel methods to timefractional coupled Boussinesq-Burger's equation", presented at International conference on Differential equations and control problems (ICDECP23), organized by Indian Institute of Technology, Mandi, Himachal Pradesh, India, during June 15-17, 2023.

Jyoti U. Yadav and Twinkle R. Singh, "Numerical treatment of temporal fractional approach to imbibition phenomenon in homogeneous porous media", presented at International

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- Bhavin Rachhadiya and Twinkle Singh, "Hermite-Hadamard type inequality for
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- Bhavin Rachhadiya and Twinkle Singh, ``Generalization of Hermite-Hadamard inequality
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- Akshey, Twinkle R. Singh presented paper "A novel analytical-iterative approach for fractional 3-D Helmholtz equations" in "International Conference on Recent Advances in Fluid Mechanics and Nanoelectronics" by "Manipal Institute of Technology Bengaluru" on July 12-14 2023.
- Nisha Pokharna, Indira P. Tripathi, E-optimality and E-duality results for multiobjective
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- Shailesh Kumar Srivastava, Sachin Devaiya, "Uniform approximation of functions belonging to L[0, ∞)-space usingE^{q}.T-means of Fourier- Laguerreseries", presented in The 6th International Conference on Frontiers in Industrial and Applied Mathematics (FIAM-2023) December 21-22, 2023, Dubai, UAE.
- 39. Saumya Shah and Amit Sharma, "A Structure of Skew-cyclic Codes over Z4+uZ4+vZ4", in
 "The 6th International Conference on Frontiers in Industrial and Applied Mathematics (FIAM-2023)", during Dec21-22, 2023 at BITS Pilani, Dubai Campus.
- Saubhagya Tripathi and Amit Sharma, "Some Results on Inverse Euler Phi Function", International Conference on Recent Trends in Engineering and Sciences (RTES – 2023)" Held at SVNIT Surat during May 02-02, 2023. (Accepted for publication)

Sudeep Singh Sanga: Machine Repair Model with General Retrial Attempts under
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 UAE from October 30–November 2, 2023.

Sudeep Singh Sanga: Profit and Cost Optimization for Single-Server Markovian Retrial Queue with Server Breakdown, Customer Balking, and Feedback, 7th International

- 42. Conference on Intelligent Computing & Optimization (ICO-2023), organized by the Steering Committee Optimization Conference Resources, Malaysia, was held in Phnom Penh, Cambodia during October 27-28, 2023.
- 43. Nagesh Sahu and Saroj R. Yadav, 'Porous Medium Equation including Dynamic Capillary Effects: Analytical approach', presented in FIAM 2023 at BITS Pilani, Dubai campus.

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- 44. differential transform method', presented in International Conference on Computations and Data Science (CoDS-2024) organized by Department of Mathematics jointly with iHUB Divya Sampark IIT Roorkee, Uttarakhand, India, during March 08-10, 2024.
- 45. Rutvij Tole and Saroj R. Yadav, 'Applications of Graph Theory', Proceedings of the Conference MMSPS 2023, SVNIT, Surat, submitted in Proceeding International. S. Gupta, Scattering of surface water waves by dual asymmetric circular-arc-shaped plates
- 46. with non-uniform permeability, 6thInternational Conference on Frontiers in Industrial and Applied Mathematics (FIAM-2023), BITS Pilani, Dubai Campus, UAE, 2023.
- 47. Sushil Kumar, Computational study on 2D three-phase lag bioheat model during cryosurgery using RBF meshfree method, International Conference on Computations and Data Sciences, March 08-10, 2024, Department of Mathematics, IIT Roorkee
- 48. Delivered an oral presentation at International Conference on Computations and Data Science (CODS 2024) held at IIT Roorkee, during MARCH08-10, 2024.
- 49. Delivered an oral presentation at International Conference on Mathematical Modelling, Simulations and Computational Methods (MMSCM-2023) held at VNSG University, Gujarat during December 11-13, 2023.
- Ramakanta Meher, Vishal Prajapati, An analytical investigation of time-fractional Sharma-
- 50. Tasso–Olever equation arising in physical sciences, IEEE Xplore, 10.1109/ICFDA58234.2023.10153187, 2023
- Ramakanta Meher, P. Sartanpara, Analytical study of time fractional Fisher equation using homotopy approach with a generalized transform, IEEE Xplore, 10.1109/ICFDA58234.2023.10153260, 2023
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Jayesh M. Dhodiya and Aaishwarya Bajaj "Solution of Fuzzy Multi Objective Solid Travelling Salesman Problem by Aspiration Level based Multi Objective Quasi

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 Jaya Algorithm" presented in "4 th Prof. P. C. Vaidya International Conference on Mathematical Sciences" held by the Department of Mathematics, Veer Narmad South Gujarat University, Surat Gujarat, India during 4-5 March, 2023

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- 4. A Paper entitled: Some Results on Inverse Euler Phi-Function(Authors: Saubhagya Tripathi and Amit Sharma) was presented in the "International Conference on Recent Trends in Engineering and Sciences (RTES'2023)" held during May 02-03, 2023 at SVNIT Surat.

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 Bhavin M. Rachhadiya and Twinkle R. Singh, "Generalized Hermite–Hadamardtypeinequalities for s-convex differentiablefunctions via Caputo–Fabrizio fractionaloperator, Published by <u>De Gruyter</u> 2023,© 2023 Walter de Gruyter GmbH, Berlin/Boston[https://doi.org/10.1515/9783110785807-015]
 Dr.Ramakanta Meher, "Solving Non-linear Partial Differential Equations using Homotopy
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13. on Mathematics and Computing, organized by Department of Mathematics, Birla Institute of Technology and Science Pilani, K. K. Birla Goa Campus, during January 06-08, 2023. (Proceeding in Springer) (With V.Prajapati)

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 approach. International Conference on EMERGING TRENDS IN MATHEMATICAL
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 Nonlinear Analysis and Applications (ICNAA- 2022)" held by Department of Mathematics, School of Fundamental and Applied Sciences, Assam Don Bosco University, Tapesia Garden, Sonapur, Assam-782402, during 22-23 November, 2022.(Proceeding in Springer) (With V.Prajapati)

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20. Dynamics and Applications (ICNDA-2022)" held by Department of Mathematics, Sikkim Manipal Institute of Technology (SMIT), Sikkim Manipal University, Majitar, East Sikkim-737136, during 9-11 March, 2022. (With A.Kumar)

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- Anila Pillai and Urvashi Kaushal presented a paper on "Manasa-VachaKarmanaDhira Karna: An Embodiment of Loyalty and Candour" in 2nd PAN NIT International Conference on Global Restructuring from 7-9 Jan. 2022.
- Vasava Mithunbhai G. and Urvashi Kaushal presented a paper on "Re-orientalism in the the movie The White Tiger" in 2nd PAN NIT International Conference on Global Restructuring from 7-9 Jan. 2022.
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- 16. Presented a paper (in absentia) with Anila A. Pillai, "Revamping women in Mahabharta: a drive to the real forces; a probe to what led to action, that led to perception in National seminar on History, myth and orality cultural and literary traditions in India, organized by Dept. of English, BHU, Varanasi on14-15 Nov. 2018.
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