

Publications in Conferences

2021-2022

International Conferences:

1. Akshara Makrariya, Neeru Adlakha, Shishir Kumar Shandilya, 3D Spherical—Thermal Model of Female Breast in Stages of Its Development and Different Environmental Conditions, International Conference on Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy, VIT, Bhopal, 217-227, December, 2021, Springer, Singapore.
2. Bagdi, H., Bulsara, H.P., Sharma, L., (2021). The Change in Learning Practices of Students' Amid the COVID-19 Pandemic from Traditional to E-Learning. Management Functions in COVID-19 Era. 108 -120. [Jamia Milia Islamia International Conference]
3. Rohit Verma, Sushil Kumar, Numerical study on heat distribution in biological tissues based on three phase lag bio heat model, Paper presented in International Conference on Mathematical Sciences, held at Department of Mathematics & Humanities, S. V. National Institute of Technology Surat during October 07-09, 2021.
4. Bhagya Shree Meena, Solution of Two-Dimensional Time-Space Fractional Telegraph Equations using Radial Basis Functions and Chebyshev Polynomials, Paper presented in International Conference on Mathematical Sciences, held at Department of Mathematics & Humanities, S. V. National Institute of Technology Surat during October 07-09, 2021.
5. Rakesh Kumar Mena, Sushil Kumar, Solution of Fractional Order SIR Epidemic Model using Residual Power Series Method, Paper presented in International Conference on Mathematical Sciences, held at Department of Mathematics & Humanities, S. V. National Institute of Technology Surat during October 07-09, 2021.
6. Kakran, V. Y., & Dhodiya, J. M., "A belief-degree based multi-objective solid transportation problem with constraint parameters under multi-choice environment" presented in "International Conference on Mathematical Sciences (ICMS-2021)" hosted online by Department of Mathematics and Humanities, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 07-09 October, 2021.
7. Kakran, V. Y., & Dhodiya, J. M., "A belief-degree based environment for Multi-objective Capacitated Transportation Problem with" presented in international conference on "Advanced Engineering Optimization through Intelligent Techniques (AEOTIT)" conducted by the Department of Mechanical Engineering, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 28-30 January, 2022.
8. Kakran, V. Y., & Dhodiya, J. M., "Uncertain Multi-objective Interval Solid Transportation Problem and its Solution" presented in International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" held by Department of Mathematics and Humanities & Department of Physics, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 05-06 February, 2022.

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9. Kakran, V. Y., & Dhodiya, J. M., "Solution of Uncertain Multi-objective Capacitated Transportation Problem with Dependent Optimistic-constrained Model" presented in International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" held by Department of Mathematics and Humanities & Department of Physics, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 05-06 February, 2022.
10. Aishwarya Bajaj and Jayesh M. Dhodiya, "Solution of Fuzzy Multi Objective Travelling Salesman Problem by Multi Objective Quasi Oppositional Jaya Algorithm" presented in international conference on "Advanced Engineering Optimization through Intelligent Techniques (AEOTIT)" conducted by the Department of Mechanical Engineering, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 28-30 January, 2022.
11. Aishwarya Bajaj and Jayesh M. Dhodiya, "Solution of Fuzzy Constrained Multi-Objective Solid Travelling Salesman Problem by Multi-Objective Quasi Oppositional Jaya Algorithm" presented in International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" held by Department of Mathematics and Humanities & Department of Physics, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 05-06 February, 2022.
12. Aishwarya Bajaj and Jayesh M. Dhodiya, "Solution of Constrained Multi-Objective Travelling Salesman Problem by Multi-Objective Quasi Oppositional Jaya Algorithm" presented in International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" held by Department of Mathematics and Humanities & Department of Physics, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 05-06 February, 2022.
13. Shubha Agnihotri and Jayesh M. Dhodiya, "Variants of Genetic Algorithm to solve multi-objective interval solid transportation problem presented in International Conference on Mathematical Sciences (ICMS-2021)" hosted online by Department of Mathematics and Humanities, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 07-09 October, 2021."
14. Shubha Agnihotri and Jayesh M. Dhodiya, "Transportation Problem in uncertain environment via. Genetic Algorithm", presented in International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" held by Department of Mathematics and Humanities & Department of Physics, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 05-06 February, 2022.
15. Shubha Agnihotri and Jayesh M. Dhodiya, "Multi-choice multi-objective transportation Problem in uncertain environment via. Genetic Algorithm", presented in International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" held by Department of Mathematics and Humanities & Department of Physics, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 05-06 February, 2022.
16. Tilva, S., & Dhodiya, J., "Developing a meta-heuristic algorithm for solving fuzzy project scheduling problems using exponential membership function" presented in "International Conference on Mathematical Sciences (ICMS-2021)" hosted online by Department of Mathematics and Humanities, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 07-09 October, 2021.

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17. Tilva, S., "Multi-objective Project Schedule Problem Solved by Hybrid Jaya Algorithm" presented in International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" held by Department of Mathematics and Humanities & Department of Physics, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 05-06 February, 2022.
18. Tilva, S., & Dhodiya, J., "Developing a Meta-heuristic Algorithm for solving the Complex Assignment Problem" presented in International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS2022)" held by Department of Mathematics and Humanities & Department of Physics, S. V. National Institute of Technology, Surat, 395007, Gujarat, India during 05-06 February, 2022.
19. Tilva, S., & Dhodiya, J., "Developing a decision-making algorithm for solving multi-objective interval assignment problem" in international conference on "International Conference on Data Analytics and Computing (ICDAC-2022)", hosted online by the Wenzhou Kean University, Wenzhou, China during 28-29 May, 2022.
20. Tilva, S., & Dhodiya, J., "Fuzzy project schedule problem is solved by hybrid Jaya algorithm" in international conference on "International Conference on Data Analytics and Computing (ICDAC-2022)", hosted online by the Wenzhou Kean University, Wenzhou, China, during 28-29 May, 2022.
21. Patel Yogeshwari F & Jayesh M Dhodiya, Analysis of Steady-State Heat Transfer in a Rectangular Moving Porous Fin Using Semi-analytical Approach presented at 2nd International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022) Sardar Vallabhbai National Institute of Technology, Surat during February 05-06, 2022.
22. Patel Yogeshwari F & Jayesh M Dhodiya, Exact Solution of Fractional Coupled Drinfeld's- Sokolov-Wilson System using Semi Analytical Approach presented at International Conference on Fractional Calculus- 2022, University of Hyderabad during January 18 - 19, 2022.
23. Anita Ravi Tailor, Jayesh M. Dhodiya, Solution of multi-objective multi-choice assignment problem using genetic algorithm-based approach, The 2nd International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" 05-06 Feb. 2022, SVNIT, Surat.
24. Anita Ravi Tailor, Jayesh M. Dhodiya, Evaluation and selection of Software component under multiple applications using genetic algorithm-based hybrid approach, The 2nd International Conference on "Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)" 05-06 Feb. 2022, SVNIT, Surat.
25. Anita Ravi Tailor, Jayesh M. Dhodiya, Solution of fuzzy multi-objective multichoice assignment problem using Genetic algorithm-based approach, 1st International conference on Mathematical Engineering and Management Sciences, 25-26 June, 2022, DQM Research Centre, Serbia.
26. SuniBhoi and Jayesh Dhodiya, Uncertain Multi-objective Student Project Assignment Problem with Result and Feedback based Preferences, 2nd International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022) February 05-06, 2022, SVNIT, India,

Publications in Conferences

27. SuniBhoi and JayeshDhodiya, Multi-objective Decision Making by Fuzzy Programming Approach with Exponential Membership Function, 2nd International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022) February 05-06,2022 SVNIT, India.
28. Parekh, K.S., Kaushal, U. (2022). From Marginalization to Independence: Journey of a mother and a Nation. Gender Equity: Challenges and Opportunities: Proceedings of 2nd International Conference of Sardar Vallabhbhai National Institute of Technology, Surat, Eds. Mahajan, V., Chowdhury, A., Kaushal, U., Jariwala, N., Bong, S.A. Springer, Singapore.
https://doi.org/10.1007/978-981-19-0460-8_27.pp 271–281.
29. Pillai, A.A., Kaushal, U. (2022). She Education, Not Necessarily a Job Quotient. Gender Equity: Challenges and Opportunities: Proceedings of 2nd International Conference of Sardar Vallabhbhai National Institute of Technology, Surat, Eds, Mahajan, V., Chowdhury, A., Kaushal, U., Jariwala, N., Bong, S.A. (eds) Springer, Singapore.
https://doi.org/10.1007/978-981-19-0460-8_6. pp 63–76.
30. Pallavi Panda and Urvashi Kaushal presented a paper on "Locating the Roots of Gender based violence: Reading Meena Kanda swamy's When I hit You" in International Conference Cartographies of Gender Based Violence: Literary Reflections from South Asia and Beyond organized by IIT Patna on 12-13th March 2022.
31. Mithun G. Vasava and Urvashi Kaushal presented a paper on " Questionable Representation of Culture: Analysing Select works of South Asian Diaspora Writers in International Conference Cartographies of Gender Based Violence: Literary Reflections from South Asia and Beyond organised by IIT Patna on 12-13th March 2022.
32. 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.
33. 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.
34. Kirankumar F. Vaghela and Urvashi Kaushal presented a paper on "Students' Employability: An Empirical Study" in 2nd PAN NIT International Conference on Global Restructuring from 7-9 Jan. 2022.
35. Parul Pandey and Urvashi Kaushal presented a paper on "Decoding the Degree vs. Skills Debate" in 2nd PAN NIT International Conference on Global Restructuring from 7-9 Jan. 2022.
36. Jyoti Yadav, Twinkle R. Singh (2022), An approximate analytical solution of water transport in an unsaturated porous medium by Modified Variational Iteration Method” is presented at International Conference on Congress on Research in Engineering, Science and Management (CRESM 2022), organized by Padre Conceicao College of Engineering, Verna, Goa, March 10-12, 2022.
37. Jyoti Yadav, Twinkle R. Singh (2022), Study on a motion of immiscible fluids with some inclination effect in the porous medium is presented at the 5th International E-Conference on Mathematical Advances and Applications (ICOMAA 2022), held on May 11-14, 2022, Istanbul, Turkey, and in conference proceedings.

Publications in Conferences

38. Jani, Haresh P., Twinkle R. Singh (2022), Hybrid analytical method for solving time fractional Swift-Hohenberg equation is presented in international conference on dynamical systems, control theory and their applications organized by Indian institute of technology, Roorkee during 1-3 July, 2022.
39. Jani, Haresh P., Twinkle R. Singh (2022), solution of newel- Whitehead-segel equations by ATHPM is presented in fifth international conference on current scenario in pure and applied mathematics, organised by kongunadu arts and science college during 27-28 January 2022.
40. Jani Haresh P., Twinkle R. Singh (2022) Hybrid analytical method to compare concentration in longitudinal dispersion phenomenon is presented in international conference on mathematical analysis and applications organized by University of Kalyani during 28-29 June 2022.
41. JaniHaresh P., Twinkle R. Singh (2022), comparison of concentration in longitudinal dispersion phenomenon by Aboodh transform homotopy perturbation method with numerical method is presented in second international conference on computational sciences-modelling, computing and soft computing organised by manipal institute of technology, Manipal, during march 28-30, 2022.
42. Archana C. Varsoliwala, Twinkle R. Singh (2022), Mathematical modeling of tsunami wave propagation at mid ocean and its amplification and run-up on shore is presented in “ 8th International Conference on Mathematics and Computing (ICMC 2022)” Organized by Department of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Vellore, Tamil Nadu, India, January 6 - 8, 2022.
43. J. B. Gajera and R. K. Jana, A study on Turan type inequalities for Generalized Caputo fractional derivative operators presented at International Conference on Mathematical Sciences (ICMS-2021) held at SVNIT, Surat during October 07-09, 2021. (Paper presented by J. B. Gajera)
44. M. Kumar and R. K. Jana, Application of homotopy analysis method for solving forced KdV equation arising super thermal plasmas presented at International Conference on Applied Mathematics (ICAM-2022), held at Vidyasagar University, Midnapore, during June 08-09, 2022. (Paper presented by M. Kumar)
45. R. Mondal, R. K. Jana and M. K. Maiti, An EOQ model for deteriorating items with imprecise demand and freshness under trade credit policy, presented at International Conference on Applied Mathematics (ICAM-2022), held at Vidyasagar University, Midnapore, during June 08-09, 2022. (Paper presented by R. Mondal)
46. Shailesh Kumar Srivastava and Sachin Devaiya, On T2 -Strong Convergence of Numerical Sequences, AIP Conference Proceedings 2435, 020036 (2022); <https://doi.org/10.1063/5.0083598>
Published Online: 18 March 2022.
47. Shailesh Kumar Srivastava and Sachin Devaiya, Error Estimation of Signals (Functions) Belonging to Class $W(L^p, \Psi(t), \beta)$ for Hump Matrices, AIP Conference Proceedings 2435, 020043 (2022); <https://doi.org/10.1063/5.0083602> Published Online: 18 March 2022

Publications in Conferences

48. Yadav, Saroj R. and V. N. Mishra (2021), An Analytic expression for the Frontal Flow Period in 1D Counter-Current Imbibition including Dynamic capillary pressure into saturated Homogeneous Porous Media, In AIP Conference Proceedings 2364, 020004, Volume 2021, pp. 02000-1 to 02000-45
49. Yadav, Saroj R. (2021), Fingero-Imbibition phenomenon under co-current flow condition during immiscible two-phase flow through homogeneous porous media, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021), 17-18 April, SVNIT, Surat, India, ISBN 978-81-928100-1-0 pp: 467-471.
50. Sudeep Singh Sanga, Cost optimization for single unreliable server double orbit retrieval queueing model, 27th International Conference of IAPS (online) on Recent Advances in Mathematics & Computational Optimizations Jointly organized by School of Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi, India & International Academy of Physical Sciences (IAPS) during 26-28 October 2021
51. Sudeep Singh Sanga, Fuzzy modeling for single server queue with double orbit and balking, International Conference on Mathematics Applied in Life Sciences Organized by IASI University of Life Sciences, Romania during 23-24 June 2022.
52. Ramakanta Meher, L. Verma: Solution of Fuzzy differential equation using Homotopy Analysis Method, AIP Conference Proceedings.
53. Ramakanta Meher, P. Sartanpara : Computational study of Klein-Gordan equation using Homotopy Analysis Method, AIP Conference Proceedings.

National Conferences:

1. Bulsara, H.P., Sharma, L., Bagdi, H., (2021). Role of Non-Profit Organizations in Catalyzing Social Entrepreneurship: A Case Study From Uttar Pradesh, India. RTMSS 2021 Conference (pp. 208-228). Hamirpur: National Institute of Technology.
2. Aaishwarya Bajaj and Jayesh M. Dhodiya, "Aspiration Level based Multi Objective Quasi Oppositional Jaya Algorithm for Multi Objective Solid Travelling Salesman Problem" presented in National Symposium on "Recent Trends in Mathematical Sciences (RTMS-2022)" held by Department of Mathematics, Ganpati University, Mehsana, 384012, Gujarat, India during 30 April, 2022.
3. Aniket Todkar and Jayesh M. Dhodiya, "Aspiration level-based non-dominated sorting genetic algorithm- II & III to solve fuzzy multi-objective shortest path problem" presented in National Symposium on "Recent Trends in Mathematical Sciences (RTMS-2022)" held by Department of Mathematics, Ganpati University, Mehsana, 384012, Gujarat, India during 30 April, 2022.
4. M. Kumar, R. K. Jana and P. Chatterjee, Soliton solution of damped KdV equation in unmagnetized super thermal plasmas: Adomian decomposition method, presented at Virtual national conference on Plasma Science and Applications (PSA-2021), held at SVNIT, Surat during December 20-21, 2021. (Paper presented by M. Kumar).

Publications in Conferences

2020-2021

1. Surbhi Tilva and Jayesh Dhodiya, Project Management Problem Solved by Hybrid Jaya Algorithm, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 79-87. (2021)
2. Ekata Jain and Jayesh M. Dhodiya, Multi-objective solid transportation problem with volume discount, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 88-99. (2021)
3. Nagesh sahu and Dr. J. M. Dhodiya, Multi-objective multi-item solid transportation problem for cost as a function of time, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 106-113. (2021)
4. F. D. Chevli, J. M. Dhodiya and Mukesh Patel, Multi-Objective Interval Transportation Problem with Grey Situation Decision Making Theory, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 114-127. (2021)
5. Surbhi Tilva and Jayesh Dhodiya , Assignment Problem Solved by Hybrid Jaya Algorithm using Linear Membership Function, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 128-134. (2021)
6. Ronak Dhum and J. M. Dhodiya , Solution of multi-objective transportation problem by taking cost as a function of time, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 128-134. (2021)
7. Sunil Bhoi* and Jayesh Dhodiya , Multi-Objective Faculty Course Assignment Problem with Result and Feedback based Uncertain Preferences , Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 142-151. (2021)
8. Anita Ravi Tailor and Jayesh M. Dhodiya, Solution of multi-application based multi-objective optimization model of COTS selection problem based on cohesion and coupling using genetic algorithm based approach, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 161-175. (2021).

Publications in Conferences

9. Shubha Agnihotri and Jayesh M. Dhodiya , Non-dominated Sorting Genetic Algorithm to solve Solid Transportation Problem, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 185-187. (2021).
10. Monika Patel and Jayesh M. Dhodiya, A Risk Based Multi-Objective Multi-Mode Project Model For Planning, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 188-195. (2021).
11. Jinal Patel and Jayesh M. Dhodiya, Fuzzy Multi Objective PERT problem for Project Management, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 196-205. (2021).
12. Jaydeepkumar M. Sosa and Jayesh M. Dhodiya, Genetic algorithm based hybrid approach to solve the multi-objective fixed charge transportation problem, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 206-213. (2021).
13. Rushikesh Bhundiya and Jayesh M Dhodiya , Application of Differential Transform Method on Double Pipe Heat Exchanger, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 247-255. (2021).
14. Rushit Nakrani, V. H. Pradhan and Jayesh M Dhodiya , Relationship Between Major Global Stock Exchanges and Indian Stock Market , Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 314-323. (2021).
15. Anuveshika Prasad and Jayesh M. Dhodiya, Uncertain multi-objective assignment problems, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 372-379. (2021).
16. Patel Yogeshwari and Jayesh M Dhodiya , Exact Solution for Exothermic Reaction Model with constant Heat source in a Porous Medium, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 446-451. (2021).
17. A.S. Todkar and J.M.Dhodiya ,Genetic algorithm based hybrid approach for solving shortest path problem on networks, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 452-461. (2021).
18. Rekh Riddhi Ketankumar and Jayesh M. Dhodiya, Exponential membership function based solution of multi-objective interval multi-mode critical path problem, Proceeding of International Conference on Mathematical Modelling and Simulation in Physical Sciences

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- (MMSPS-2021) April 17-18, 2021, SVNIT, India, ISBN 978-81-928100-1-0 pp: 476-484. (2021).
19. Bagdi, H., Bulsara, H.P., Sharma, L., (2021). The Change in Learning Practices of Students' Amid the COVID-19 Pandemic from Traditional to E-Learning. IMC 2021 Conference (pp. 108 – 120). New Delhi: Jamia Millia Islamia, Bloomsbury Publishing (UK)."
 20. Ramakanta Meher, Juhi Kesarwani: Analytical study of time-fractional porous medium equation using homotopy analysis method, AIP Conference Proceedings 2336 (1), 020004,2021.(SCOPUS)
 21. Ramakanta Meher, Juhi Kesarwani: Mathematical modelling of the fingering phenomenon using Homotopy analysis method, AIP Conference Proceedings 2214 (1), 020029,2020.(SCOPUS)
 22. Ramakanta Meher, Parth Sartanpara: Computational study of Klein-Gordan equation using Homotopy Analysis Method, AIP Conference Proceedings, 2021. (SCOPUS)
 23. Ramakanta Meher, Lalchand Verma: Solution of Fuzzy differential equation using Homotopy Analysis Method, AIP Conference Proceedings, 2021. (SCOPUS)
 24. Ramakanta Meher, R. Yadav and V.N Mishra: Some approximation results on Durrmeyer modification of generalized Szász-Mirakjan operators (3rd International Conference on Mathematical Modelling, Applied Analysis and Computation-2020 (ICMMAAC-2020, an online conference)), JECRC University, Jaipur, Rajasthan, August 07-09, 2020.
 25. Ramakanta Meher, R. Yadav and V.N Mishra: On summation-integral type operators with their quantitative means (International Conference on Advances in Differential Equations and Numerical Analysis (ADENA2020)), Indian Institute of Technology Guwahati, October 12 - 14, 2020.
 26. Ramakanta Meher, R. Yadav and V.N Mishra: A study on generalized bivariate summation integral type operators in polynomial weight space (session talk) (11th International Skorobohatko Mathematical Conference), Lviv, Ukraine, October 26- 30, 2020.
 27. Ramakanta Meher, R. Yadav and V.N Mishra: Quantitative approximation on a new class of Szász-Mirakjan operators having preserving property; (86th Annual Conference of the Indian Mathematical Society (IMS 2020)); Department of Mathematics, SAS, VIT, Vellore, India, December 17-20, 2020.
 28. Ramakanta Meher, R. Yadav and V.N Mishra: Computational approach for Durrmeyer modification of Szász-Mirakjan operators with suitable properties; (26th International Conference of International Academy of Physical Sciences (CONIAPS XXVI-2020) on "Advances in Algebra and Analysis", Marwadi University, Rajkot, Gujarat, INDIA, December 18-20, 2020.
 29. Ramakanta Meher, R. Yadav and V.N Mishra: Some approximation properties of linear positive operators; (International Conference on New Trends in Differential Equations and Applied Mathematics), organized by Sri Vidya Mandir Arts and Science College (Autonomous), Krishnagiri in collaboration with CHRIST (Deemed to be University), Bengaluru and Jyothi Engineering College, Thrissur during April 12-13, 2021.

Publications in Conferences

30. Ramakanta Meher, R. Yadav and V.N Mishra: Computational Study on Summation-Integral Type Operators with Properties; (National Seminar on “Modeling and Simulation (The world of Applied Mathematics)”(MS-2021)), Government Pandit Shyamacharan Shukla College, Dharsiwa, Raipur (C.G.), India, July 03, 2021.
31. A. Pal, R. K. Jana and A. K. Shukla, Fourier Integral Representation of the R-function, presented at International Conference on Differential Equations and Numerical Analysis (ADENA-2020), organized by Department of Mathematics, Indian Institute of Technology, Guwahati, Assam, India during October 12-15, 2020. (Paper presented by A. Pal)
32. A. Pal, R. K. Jana and A. K. Shukla, Some results on the R-function associated with generalized fractional calculus operators, International Conference on Mathematical Analysis and Applications (MAA-2020), organized by National Institute of Technology, Jamshedpur, Jharkhand, India during November 02-04, 2020. (Paper presented by A. Pal)
33. R. Roy and R. K. Jana, Some Properties of the Extended-Hypergeometric Function, presented at Virtual International Conference on Physical Sciences (ICPS-2021) organized by SVNIT, Surat during February 05-06, 2021. (Paper presented by R. Roy)
34. A. Bhattacharya and R. K. Jana, Some Studies on Feature Extraction of EEG Signal using Wavelet Transform, presented at Virtual International Conference on Physical Sciences (ICPS-2021) organized by SVNIT, Surat during February 05-06, 2021. (Paper presented by A. Bhattacharya)
35. A. Mondal, D. K. Jana and R. K. Jana, Production-planning model in uncertain environment, presented at Virtual International Conference on Soft Computing, Optimization Theory and Applications (SCOTA 2021) organized by Birla Institute of Technology, Mesra, Ranchi during March 26-27, 2021. (Paper presented by A. Mondal)
36. D. S. Nahata and R. K. Jana, Mathematical Finance and its Application in Valuation of an Option presented at Virtual International Conference on Soft Computing, Optimization Theory and Applications (SCOTA 2021) organized by Birla Institute of Technology, Mesra, Ranchi during March 26-27, 2021. (Paper presented by D. S. Nahata)
37. U. Kaushal, Using MOOCs for Developing Skills of Engineers, Proceedings of 2020 IEEE Learning with MOOCs, LWMOOCs 2020 9234350, pp. 144-147 2020, pp. 144-147, <https://doi.org/10.1109/LWMOOCs50143.2020.9234350>
38. Ram Chandra Joshi and U. Kaushal, “Emergence and Consolidation of Identities in the Narratives of Chinnidad” in the literary works of Indo-Trinidadian Canadian writers. in World Indian Diaspora Conference 2020 WIDC2020 National Council of Indian Culture in collaboration with The University of the West Indies and the Indentured Labour Route Project held on 22-23 August 2020.
39. U. Kaushal, “Men- Women and the Silence over Violence in Sorayya Khan's Fiction”, in the Two-Day International Conference Titled “Exploring Collaborative Research Opportunities in Humanities and Social Sciences - Beyond Boundaries” During Pan-NIT Humanities and Social Sciences Research Conclave (HSSRC) organised by the Department of Humanities and Social Sciences, National Institute of Technology Warangal from 08-10 January 2021.

Publications in Conferences

40. K. Parekh and U. Kaushal. "From Marginalisation to Independence: Journey of a Mother and a Nation" in 2nd International Conference of Gender Equity : Challenges and Opportunities 28-31 Oct. 2020 SVNIT
41. Anila A Pillai and U. Kaushal, paper titled "The Art of Tagore to Impend Psychology in Stories" in International Conference on Physical Sciences (ICPS-2021) Feb. 5-6 2021 jointly organised by Department of Physics, Chemistry and Applied Mathematics and Humanities SVNIT under Institute Diamond Jubilee Celebration.
42. Kiran Vaghela and U. Kaushal, paper titled, "Developing Critical Reading for Researchers" in International Conference on Physical Sciences (ICPS-2021) Feb. 5-6 2021 jointly organized by Department of Physics, Chemistry and Applied Mathematics and Humanities SVNIT under Institute Diamond Jubilee Celebration.
43. Krupali S. Parekh, "Exploring Place Attachment and Communication in Sorayya Khan's Five Queen's Road in International Conference on Physical Sciences (ICPS-2021) Feb. 5-6 2021 jointly organised by Department of Physics, Chemistry and Applied Mathematics and Humanities SVNIT Under Institute Diamond Jubilee Celebration.
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47. Archana C. Varsoliwala, Dr. Twinkle R. Singh, Solution of fingering phenomenon arising in porous media in n horizontal direction by combination of Elzaki transform and Adomian Decomposition Method, International conference on mathematical modelling, applied analysis and computation -2020, Department of Mathematics JECRC University, Jaipur, India (Online mode), August 7-9, 2020.
48. A Makrariya, N Adlakha, SK Shandilya ,3D Spherical—Thermal Model of Female Breast in Stages of Its Development and Different Environmental Conditions, Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy: Proceedings of the First International Conference,VIT, Bhopal, Springer, Singapore ,MMCITRE, 217-227, 2020.
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50. Shailesh Kumar Srivastava & Sachin Devaiya, Error Estimation of Signals (Functions) Belonging to Class for Hump Matrices, accepted for publication in AIP Conference Proceedings, NIT Jamshedpur, December 21-22, 2020, AIP Conference Proceedings.

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52. Saroj R. Yadav and V. N. Mishra, An Analytic expression for the Frontal Flow Period in 1D Counter-Current Imbibition including Dynamic capillary pressure into saturated Homogeneous Porous Media, AIP Conference Proceedings 2364, 020004, 02000-1 to 02000-45, 2021

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2. Anandita Chowdhary, Vasundhara Mahjan, Namrata Jariwala.and Dr. Urvashi Kaushal, Women, Society and Development, in International Conference on Gender Equity: Challenges and Opportunities, SVNIT 19-20 Dec 2019.
3. Krupa Sophia Jand Dr. Urvashi Kaushal, “Veni, Vidi, Vici: Portrayal of Women in M. G. Vassanji’s No New Land” in International Conference on Social Consciousness in Literature held on 3rd October, 2019 jointly organised by Women’s Christian College, Nagercoil, T. N. and Bodhi International Journal Research in Humanities, Arts and Science.
4. Krupa Sophia J.and Dr. Urvashi Kaushal, on Exploring Formal Elements in M.G.Vassanji’s The Magic of Saida, In The International Conference On “Recent Trends In Language, Literature & Linguistics held at Idhaya College For Women, Sivagangai, T. N. on 1ST Oct. 2019.
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7. Rishikesh Yadav, Ramakanta Meher, V. N. Mishra, Further approximations of Durrmeyer modification of Szasz-Mirakjan operators, Special Issue of European Journal of Pure and Applied Mathematics, 2020.
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10. Surbhi Tilva, Jayesh M. Dhodiya, Multi objective COTS selection problem solved by Hybrid Jaya Algorithm, 61st National Convention of Indian Institution of Industrial Engineering & 5th International Conference on industrial Engineering (ICIE-2019), Excellent Publication Services, New Delhi, pp: 482-487, ISBN-978-93-86238-81-8.
11. Vandana Y Kakran, Jayesh M. Dhodiya, Solving uncertain multi objective transportation problem with classical methods, 61st National Convention of Indian Institution of Industrial Engineering & 5th International Conference on industrial Engineering (ICIE-2019), Excellent Publication Services, New Delhi, pp: 504-508, ISBN-978-93-86238-81-8
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15. Vandana Kakran, Jayesh m Dhodiya. Charnes and coopers transformations for solving uncertain multi -item fixed charge solid transportation problem. 2nd International Conference on Mathematical Modelling, Applied Analysis and Computation -2019 (ICMMAACS-19), Department of Mathematics, Faculty of Sciences, JECRC University, Jaipur, Rajasthan, India. 8-10 August, 2019
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 22. R. L. Das, H. Solanki and R. K. Jana, An investigation of involving supplier and manufacturer based inventory models under uncertain fuzzy constraints in O. Castillo et al. (Eds.) Recent Advances in Intelligent Information Systems and Applied Mathematics, Vol. 863, 2020, pp. 248-259, Springer Nature Switzerland. (Proceeding of 2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019) held at Haldia Institute of Technology, during March 07-09, 2019).
 23. Twinkle R. Singh had Presented , entitled on "Study on Epidemic Spread Model" in Social Science & Management Welfare Association Vikramaditya College, Jabalpur, M.P. (India), International Conference (Webinar on Women Empowerment-2020, 31/05/2020, Online mode.
 24. A C Varsoliwalal and T R Singh, An approximate analytical solution of nonlinear partial differential equation for water infiltration in unsaturated soils by combined Elzaki Transform and Adomian Decomposition Method, [International Conference on Thermo-fluids and Energy Systems (ICTES2019)B.N.M.I.T. Bengaluru], Journal of Physics: Conference Series, Volume No. 473, 1-12 , doi:10.1088/1742-6596/1473/1/012009

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25. Hitesh Bansu, Sushil Kumar, Numerical Solution of Space and Time Fractional Advection–Diffusion Equation by Meshless Approach, Springer Proceedings in Mathematics & Statistics, vol 320. International Conference on Applied and Computational Mathematics, IIT Kharagpur, 2020

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2. Vandana, Jayesh Dhodiya, Fuzzy programming technique for solving uncertain multi objective multi item solid transportation problem with linear membership function, International conference on “Advanced Engineering Optimization Through Intelligent Technique, 03-05 August 2018, SVNIT, Surat, India.
3. Twinkle Singh and R.K. Singh, Study on Non-linear partial differential equation and its applications, 2nd ICSTR Dubai – International Conference on Science & Technology Research, 26-27 December, 2018, Flora Grand Hotel, Near Al Rigga Metro Station, Deira, Dubai, United Arab Emirates, 26-27, 2018 (December)
4. Hemantkumar P. Bulsara and Pratiksinh Vaghela, Influence of Trust on Online Shopping Intention for Consumer Electronics: An application of Technology Acceptance Model, Proceeding of International Conference – OAKCOM 2018 on Innovative Practices in Business, 7-8 September, 2018, Oakbrook Business School, Gandhinagar
5. Hemantkumar P. Bulsara and Pratiksinh Vaghela, Understanding the role of trust in online shopping Intention: An Extension of Technology Acceptance Model, Proceeding of The 2019 Annual Conference of the Emerging Markets Conference Board on Driving Marketing Excellence through Experiences in Emerging Economies, 6 – 8 January, 2019, Institute of Management Technology, Ghaziabad
6. Hemantkumar P. Bulsara and Esha Pandya, enhancing customer experience through mobile payments, Proceeding of The 2019 Annual Conference of the Emerging Markets Conference Board on Driving Marketing Excellence through Experiences in Emerging Economies, 6 – 8 January, 2019, Institute of Management Technology, Ghaziabad
7. R. K. Jana, “Geometric and Asymptotic properties of Extended Hypergeometric Functions” presented at International Conference on Special Functions & Applications (ICSFA-2018), held at AmalJyothi Engineering College, Kanjirapalli, Kottayam, Kerala during November 22-24, 2018.
8. R. K. Jana, “A Study on Geometrical Significance of Fractional Calculus” published in the proceeding of 84th Annual Conference of Indian Mathematical Society: An International Meet, held at Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir during November 27-30, 2018.
9. D. J. Bhatt, V. N. Mishra and R. K. Jana, “Approximation by Kantorovich type operators based on Beta function”, published in the proceeding of 84th Annual Conference of Indian Mathematical Society: An International Meet, held at Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir during November 27-30, 2018. (Paper presented by D. J. Bhatt)
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 12. R. Roy and R. K. Jana, “Geometric Properties of the Extended ${}_2F_1$ -Gauss Hypergeometric Function”, published in the proceeding of International Conference on Differential Equations and Control Problems: Modeling, Analysis and Computations (ICDECP19) held at IIT, Mandi during June 17-19, 2019. (Paper presented by R. Roy)
 13. R. K. Jana, “Generalizations of Sheffer polynomials and their q-analogue”, published in the proceeding of International Conference on Number Theory and Graph Theory (ICNG 2019) held at University of Mysore during June 27-29, 2019.
 14. Rashik Shah, Jayesh M. Dhodiya, 23rdISTE State annual faculty Convention 2018 with National conference on Role of Innovation and Human values in Engineering and Technology” Jointly organized by ISTE and SSASIT, Surat ISBN:978-93-5346-457-8
 15. Presented a paper, “ELT in Engineering Classrooms: Barriers and Some Solutions in National seminar on ELT in India: Multiple readings, organized by Dept of English, VNSGU on 12th Feb 2019.
 16. Presented a paper (in absentia) with Anila A. Pillai, “Revamping women in Mahabhart: 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 on 14-15 Nov. 2018.
 17. Bhumika G. Choksi, Twinkle R. Singh, Rajiv K. Singh, An Approximate Solution of Fingering Phenomenon Arising in Porous Media by Successive Linearisation Method, Numerical Heat Transfer and Fluid Flow, NIT, Wrangle, DOI https://doi.org/10.1007/978-981-13-1903-7_1, Springer, 1-8, 2018 (December),
 18. J. Kesarwani, R. Meher: Motion of Immiscible liquids in fractured porous media with inclination and gravitational effects. International conference on Mathematical modelling and Computations, South Asian University, New Delhi during 01-03 Dec-2018.

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1. R. Meher, Imbibition phenomenon arising in double phase flow through porous medium with capillary pressure, International Conference on Mathematics, Statistics & Computer Science Dubai 2018 Feb 09-10, 2018
2. J. Kesarwani and R. Meher, Analytical solution of higher order partial differential equation in a bounded domain, International conference on Numerical Heat Transfer & Fluid Flow (NHTFF18).NIT, Warangal, India, January,19-21,2018.
3. T. Patel and R. Meher, Application of Adomian Decomposition Sumudu Transform to Nonlinear Time-fractional Type Heat Transfer and Porous Media Equations, International Conference on Differential & Difference Equations and Applications (ICDDEA- 2017), Amadora, Portugal. June 5-9, 2017.
4. R. K. Jana, "On Generalized Pochhammer symbols" at International Conference on Special Functions and Their Applications (ICSFA 2017) organized by Government College of Engineering, Bikaner, Rajasthan during November 2 - 4, 2017.
5. H. S. Lekhadiya and R. K. Jana, "Impact of assimilation of INSAT-3D satellite data in WRF model" at the International Conference INTROMET-2017 held at Space Applications Center (ISRO), Ahmedabad during November 7-10, 2017. (Paper presented by H. S. Lekhadiya)
6. R. K. Jana, "Extended Wright type hypergeometric Functions: some recent developments" presented at 83rd Annual Conference of Indian Mathematical Society-An International Meet, held at Sai Venkateswara University, Tirupati during December 12-15, 2017.
7. R. K. Jana, "Some properties of extended incomplete ${}_{\tau}$ -hypergeometric function" presented at World Summit on Advances in Sciences, Engineering and Technology, held at University of Cambridge, U. K. during January 4-6, 2018. (Paper presented through Skype)
8. R. Roy and R. K. Jana, "Lie theoretic origin of Hypergeometric Functions" at International Conference on Mathematics and Its Applications (ICMA 2018) organized by The University of Burdwan, West Bengal during February 15-17, 2018. (Paper presented by R. Roy)
9. Anita Tailor, Jayesh M. Dhodiya, "Genetic Algorithm based approach to solve Multi objective interval assignment problem" 4th International conference on Industrial Engineering (ICIE 2017), 22-24 December, , 2017, Vol-3, 2017, pp-1129 to 1135 ISBN:9789386238399
10. Jignsh G Patel, Jayesh M. Dhodiya, "Solving Fuzzy Transportation Problem with Triangular Fuzzy Number Using Grey Number," 4th International conference on Industrial Engineering (ICIE 2017), 22-24 December, , 2017, Vol-3, 2017, pp-1069 to 1074 ISBN:9789386238399
11. S. J. Rapeli and A. K. Shukla: Some results on Appell Polynomial sets, at International Conference on Special Functions and Their Applications (ICSFA-2017) organized by

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12. Rachana Desai, P. K. Banerji and A. K. Shukla: Singular Integral Equations Containing Extended Mittag-Laffler Function at International Conference on Special Functions and Their Applications (ICSFA-2017) organized by Department of Mathematics, Govt. College of Engineering & technology, Bikaner, Rajasthan, India during November 02-04, 2017.
 13. Roshni Singh and Hemantkumar P. Bulsara (2017). Trump's TriUMph: An Attribution to Insurgent Political Marketing Maneuvers. 8th National level conference on: Re-imagining India: Game Changers for Business, Management and Society, Vishwakarma Institute of Management, Pune during 17th – 18th February, 2017, pp 24-49
 14. Hemantkumar P. Bulsara and Nidhi K. Yadav (2017). Switching Trends from Allopathic to Ayurvedic System of Medicine: A Survey in Ayurvedic Hospital of Valsad District (Gujarat). 8th National level conference on: Re-imagining India: Game Changers for Business, Management and Society, Vishwakarma Institute of Management, Pune during 17th – 18th February, 2017, pp 40-44
 15. Patel Yogeshwari, Jayesh M. Dhodiya, Analytical solution of compartment, based reaction and diffusion mechanism in cell with protein binding by Differential Transform Method, 22nd Annual cum 6th International conference of the Gwalior Academy of Mathematical Sciences on “Advanced in Pure and Applied Mathematics “and Symposium on “Mathematical Methods and Models in Bio Sciences” Ganpat University, Mehsana Urban Institute of Sciences, 23th to 25th January, pp-26 (2018).
 16. Jaydeep Sosa, Jayesh M. Dhodiya, Genetic algorithm-based solution of multi objective fuzzy transportation problem, “International conference on applied Mathematical Models, ICAMM-2018”, PSG College of Engineering, Coimbatore, India, 4-6, Jan, 2018.
 17. Jaydeep Sosa, Jayesh M. Dhodiya, Genetic Algorithm based solution of Multi objective interval transportation problem, 22nd Annual cum 6th International conference of the Gwalior Academy of Mathematical Sciences on “Advanced in Pure and Applied Mathematics “ and Symposium on “ Mathematical Methods and Models in Bio Sciences” Ganpat University, Mehsana Urban Institute of Sciences, 23th to 25th January, pp-54 (2018).
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22. Jaydeep Sosa, Jayesh M. Dhodiya, Genetic algorithm-based solution of multi objective multi choice demand fuzzy transportation problem, International Conference on Theory and Application of Statistics and Information Sciences, Department of Statistics, Bharathira University, Coimbatore, India, 5-7, Jan, 2018, Vol:1, pp:100
23. Twinkle R Singh, Solution of a Fokker-planck equation by successive linearization method, 4th International Conference on Industrial Engineering, December 21-23, MED, SVNIT, EPH, 2017, p. no. 1153-1158, 2017
24. Twinkle R Singh, an approximate solution of Fingering Phenomenon arising in fluid flow through homogeneous porous media by successive linearization methods, International Conference on Fluid Dynamics and its Applications BNMIT, Bengaluru, July 12-14, 2017

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1. Dr. Jayesh M. Dhodiya, Ronak Gajera, “Fuzzy PERT and CPM Problem and their solution”, National Seminar on “Role of Statistics in Current Scenario”. Organized by the Department of Statistics, V.N.S.G. University, Surat.
2. Twinkle R Singh, Solution of a Fokker-planck equation by successive linearization method, 4th International Conference on Industrial Engineering, December 21-23, MED, SVNIT, EPH, 2017, p. no. 1153-1158, 2017.
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4. Dr. Urvashi Kaushal, presented a paper “Empowering Engineering Students through Employability Skills” in 4th International Conference MAGIC - Methods Aesthetics and Genre In English Communication - an initiative to Support Skill India, on the 10th and 11th of November 2016 organised by The Centre for Professional Communication, College of Engineering Studies under the aegis of University of Petroleum & Energy Studies, Dehradun, Uttarakhand.
5. T. Patel and R. Meher, A Study on temperature distribution of porous fin with uniform magnetic field in vertical isothermal surface of fractional order energy balance equation by using Adomian decomposition sumudu transform method, International Conference on Computational Modeling & Simulation (ICCMS-2017), Colombo, Sri Lanka. May 17-19, 2017.
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1. Asmita C. Patel, Vikas H. Pradhan, Application Of Haar Wavelet Method To Advection Dispersion Equation With Constant Coefficients, ICEMS, Materials Today Proceedings, Elsevier, 2016
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3. Amruta R. Daga, Vikas H. Pradhan, Approximate Analytical Solution To Stream And Horizontal Unconfined Aquifer Interaction, ICEMS, Materials Today Proceedings, Elsevier, 2016.