

CARAMP- CHRONICLE **“VENTURE OF CENTER'S PROGRESS AND ACHIEVEMENTS”**

Publications through CARAMP

39 research papers have been published by the faculty members, research scholars and others who have been associated with the CARAMP. The following is the list of publications:

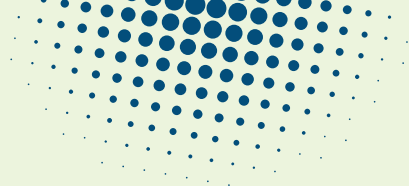
SCOPUS-Indexed Journals

1. Chaos Theory and Applications, (Q1)

1. Novel Traveling Wave Solutions of Jaulent-Miodek Equations and Coupled Konno-Oono Systems and Their Dynamics by Raj Kumar Kripa Shankar Pandey Avneesh Kumar Anshu Kumar.
<https://doi.org/10.51537/chaos.1320442>
2. Different Variants of Bernstein Kantorovich Operators and Their Applications in Sciences and Engineering Field by Parveen Bawa Neha Bhardwaj Sumit Kaur Bhatia.
<https://doi.org/10.51537/chaos.1320442>
3. Weighted and Well-Balanced Nonlinear TV-Based Time-Dependent Model for Image Denoising by Alka Chauhan Santosh Kumar Khursheed Alam.
<https://doi.org/10.51537/chaos.1324355>

2. PROCEEDINGS ON ENGINEERING SCIENCES, (Q4)

1. Analysis of inventory model with price-dependent demand, constant deterioration rate, salvage value, time-dependent holding cost, and partially backlogged shortage by Taruna Sharma, R. K. Srivastava, and Sangeeta Gupta.
[DOI: 10.24874/PES06.02A.003](https://doi.org/10.24874/PES06.02A.003)
2. A deep learning-based enhanced computational model for dental caries classification by Saptadeepa Kalita, Ram Chandra Singh, Ali Imam Abidi, Hemant Sawhney.
[DOI:10.24874/PES06.02A.001](https://doi.org/10.24874/PES06.02A.001)
3. Soft computing approach for optimal power control in large-scale nuclear power reactors under adverse operating conditions by Ruchi Varshney, Amit Dixit.
[DOI:10.24874/PES06.02A.002](https://doi.org/10.24874/PES06.02A.002)
4. Transformative Impact of Technology on the Healthcare Industry: A SWOT Analysis by Siya Bhatia, Mridul Dharwal, Sumeet Bhatia, Varun Mohan.
[DOI:10.24874/PES06.02A.004](https://doi.org/10.24874/PES06.02A.004)

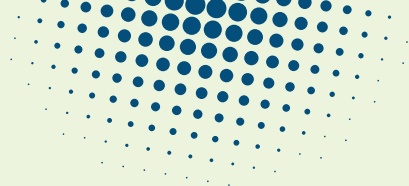


CARAMP- CHRONICLE **“VENTURE OF CENTER'S PROGRESS AND ACHIEVEMENTS”**

Web of Science Indexed Journal

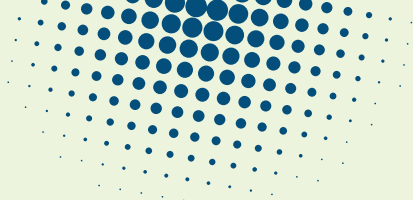
Indian Journal of Natural Sciences

1. On Similarity Solution of (3+1)-Dimensional Jimbo-Miwa Equations Arising in Fluids by Raj Kumar.
Ref: [IJONS/PUB-78/VOL-14/JUNE/475/2023](#)
2. Analysis of Effects of E-Games on Human Cognitive and Physical Behavior by Ujjawal Tiwari, Gautam Suri, Rajendra Kumar
Ref: [IJONS/PUB-78/VOL-14/JUNE/476/2023](#)
3. On Identity of Ramanujan and Continued Fraction Related to It by Satya Prakash Singh¹, Akash Rawat¹ and Nidhi Sahni
Ref: [IJONS/PUB-78/VOL-14/JUNE/477/2023](#)
4. Machine Learning based Comprehensive Analysis of COVID-19 and its Vaccination in India by Aashish Jain¹, Rohit Khokher, Rajendra Kumar and Ram Chandra Singh.
Ref: [IJONS/PUB-78/VOL-14/JUNE/478/2023](#)
5. Mathematical Modeling of Covid - 19 with Treatment by Diksha Sharma and Alpna Mishra.
Ref: [IJONS/PUB-78/VOL-14/JUNE/479/2023](#)
6. Retinal Fundus Multi-Disease Classification using Machine Learning and Computer Vision Techniques by Aparna Chaudhary and H.D.Arora.
Ref: [IJONS/PUB-78/VOL-14/JUNE/480/2023](#)
7. A Non-Destructive Deep Learning Technique for Fresh and Rotten Fruits Classification by Surya Kant Pal, Suyog Khanal¹, Prem Shankar Jha and Rita Roy.
Ref: [IJONS/PUB-78/VOL-14/JUNE/481/2023](#)
8. Haar - Vilenkin Wavelets and MRA by Meenakshi¹ and P.Manchanda.
Ref: [IJONS/PUB-78/VOL-14/JUNE/482/2023](#)
9. IoT based Real-Time Water Level Monitoring and Early Warning cum Alert System for Dams by Ramesh Kumar Sah, Suman Lata, Soma Deb and Kalpana Sagar.
Ref: [IJONS/PUB-78/VOL-14/JUNE/483/2023](#)
10. Few Summation Theorems for Appell's Function F₂ of Second Kind Having Different Arguments by Bhawna Gupta¹, M.S. Babool an Ashfaq Ahmad.
Ref: [IJONS/PUB-78/VOL-14/JUNE/484/2023](#)
11. A Practical Approach to Solving Differential Equation with MATLAB Simulink for Solar PV Panel by Chosching Lazes, Isaac TC Vanlalhruaizela and Khursheed Alam.
Ref: [IJONS/PUB-78/VOL-14/JUNE/485/2023](#)



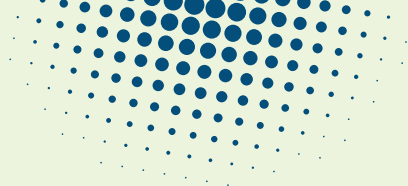
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12. Design and Development of IoT based PV Monitoring System by S.Wend_Kuuni Boris Jean Armand, Suman Lata, Mohammad. Hassan and Shubham Kumar.
[Ref: IJONS/PUB-78/VOL-14/JUNE/486/2023](#)
13. Partnership to Achieve Goal: To Protect Aquatic Life by Iftikhar Haider¹, Chosching Lazés, Santosh Kumar² and Sakshi Pathak.
[Ref: IJONS/PUB-78/VOL-14/JUNE/487/2023](#)
14. Inventory Model for Price-Dependent Demand with Deterioration under Permissible Delay in Payments by Renu Gautam¹, Sangeeta Gupta and Sweta Srivastav.
[Ref: IJONS/PUB-78/VOL-14/JUNE/488/2023](#)
15. Product Cordial Labeling in Context of Some New Graphs by Varsha Rathi¹, Sweta Srivastav and Sangeeta Gupta.
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16. Cordial Labeling In Context Of Some New Graphs by SlashiLeel, Sweta Srivastav and Sangeeta Gupta.
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17. A Study on Climate Conditions of Various Geographical Territories in the World through Machine Learning Techniques by Deepti Gupta, Rudra Pratap Jena and Soumya Sucharita Patel.
[Ref: IJONS/PUB-78/VOL-14/JUNE/491/2023](#)
18. A Partially Backlogged Inventory Model for Deteriorating Items with Ramp-Type Demand, Time-Dependent Holding Cost and Salvage Value by Ekta Chauhan, R. K .Srivastav and Sangeeta Gupta.
[Ref: IJONS/PUB-78/VOL-14/JUNE/492/2023](#)
19. e-Card for Futuristic Indian Education System by Rajendra Kumar, Aman Anand¹, Praveen Pachauri, Devanshi Singh and Khursheed Alam.
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20. Multimodal Brain Tumor Segmentation using 3D-U-Net by Novsheena Rasool and Javaid Iqbal Bhat.
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21. Implementation of Machine Learning Techniques for the Detection of the Pediatric Diseases by Arun Kumar, Surya Kant Pal, Santosh Kumar, Subhodeep Mukherjee and Rita Roy.
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22. Organization in Management Students' Persuasive Texts by SwadhaBhartia , Anil Sehrawat and R. C. Sharma.
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23. Technology and its Effect on Student Academic Achievement and Motivation by Priyanka Agarwal, Nitendra Kumar, and Khursheed Alam.
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24. Awareness and Behavior of Investor towards derivative market in India by Priyanka Agarwal, Nitendra Kumar, Khursheed Alam, Vijay Kumar and Ankit Mahur.
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25. Shifting Paradigms of Women Representation in India: Tracing through Aurat and Mother India (1957) by Mohammad Ashraf Ali1 and Ritu.S.Sood.
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26. Role of Technology in Education Sector during Covid-19 by Khursheed Alam, Santosh Kumar, Krish Kunjan1 and Ummulvara Shaik.
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27. Transforming Recruitment Processes: The Impact and Strategic Implications of Artificial Intelligence by Abubakar Bello Mohammed, Aarti Sharma, Mridul Dharwal, Anup Kumar Srivastava and Deepa Chauhan.
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28. Importance of Preventative Healthcare Measures in Rural Areas by SalamKailashSingh, Akansha Singh, MalashiIpoFabrice and Santosh Kumar.
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29. A Study on Five-Dimensional Geometry With Chaplygin Equation of State in Lyra Geometry by Gitumani Sarma Anupam Dutta and Mustafizur Rahman.
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30. Applications of First-Order Differential Equations in Simple Electric Circuits, Using MATLAB Simulink, To Analyse the Performance of A Solar Photovoltaic Panel by Masood Alam, ÖzenÖZER and Khursheed Alam.
[Ref: IJONS/PUB-81/VOL-14/DEC/571/2023](#)
31. Advanced Approaches in Fake News Detection Using Machine Learning by Masood Alam, Özen ÖZER, Khursheed Alam and Santosh Kumar.
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32. Performance Management Practices in Entrepreneurial Marketing among SME'sx by Siddhartha Shankar, Sanjeev Bansal and Preeti Mishra.

Ref: [IJONS/PUB-81/VOL-14/DEC/575/2023](#)