

### JIIT Publication Summary (Year 2005 - 2021)

S. No.	Article Type	Total Count
1.	International Journals	2753
2.	National Journals	116
3.	International Conferences	1687
4.	National Conferences	319
5.	Book Publications	40
6.	Chapter Publications	346
7.	Case Studies/Study Material/Articles/Reviews	52
	<b>Total</b>	<b>5313</b>

### Indexing wise Publication Summary (Year 2005 - 2021)

S. No.	Article Type	Total Count
1.	Indexed in SCOPUS	3153
2.	Indexed in Web of Science but not in SCOPUS	31
3.	Indexed in DBLP but not in SCOPUS and Web of Science	61
4.	Not indexed in SCOPUS/Web of Science/ DBLP but having Impact factors	87
5.	Others (Peer reviewed)	1096
6.	Others (Non-Peer reviewed)	458
7.	SCI/SCIE	1230

### JIIT Publication Summary (January 2021 to December 2021)

S. No.	Article Type	Total Count
1.	International Journals	285
2.	National Journals	7
3.	International Conferences	95
4.	National Conferences	0
5.	Book Publications	4
6.	Chapter Publications	81
7.	Case Studies/Study Material/Articles/Reviews	0
	<b>Total</b>	<b>472</b>

### Indexing wise Publication Summary (January 2021 to December 2021)

S. No.	Article Type	Total Count
1.	Indexed in SCOPUS	385
2.	Indexed in Web of Science but not in SCOPUS	0
3.	Indexed in DBLP but not in SCOPUS and Web of Science	0
4.	Not indexed in SCOPUS/Web of Science/ DBLP but having Impact factors	0
5.	Others (Peer reviewed)	48
6.	Others (Non-Peer reviewed)	0
7.	SCI/SCIE	189

## List of Publications Year 2021

### Journals

S. No.	Full Reference
1	Choudhary, Anshika, and Anuja Arora. "Linguistic feature based learning model for fake news detection and classification." <i>Expert Systems with Applications</i> 169 (2021): 114171.
2	Gupta, A., & Gupta, C. (2021). A Collaborative Effort-Benefit-Value Analysis Model to Support Requirements Reuse for Software Requirements Prioritization. <i>International Journal of Software Innovation (IJSI)</i> , 9(1), 37-51.
3	Avneet Kaur, Adwitiya Sinha, "Multi-Contextual Spammer Detection for Online Social Network," <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , Taylor & Francis, vol. 24, issue 3, pp. 777-786, 2021 [Scopus Indexed] (ISSN: 0972-0529) (doi: 10.1080/09720529.2020.1794517) (H-Index: 14)
4	Singh, A. P., Gupta, C., Singh, R., & Singh, N. (2021). A Comparative Analysis of Evolutionary Algorithms for Data Classification Using KEEL Tool. <i>International Journal of Swarm Intelligence Research (IJSIR)</i> , 12(1), 17-28.
5	Prajapati, A. A comparative study of many-objective optimizers on large-scale many-objective software clustering problems. <i>Complex Intell. Syst.</i> 7, 1061–1077 (2021).
6	Pilani, Akshay, et al. "Contextual Bandit Approach-based Recommendation System for Personalized Web-based Services." <i>Applied Artificial Intelligence</i> 35.7 (2021): 489-504.
7	Pandey, A.C., Tikkiwal, V.A. Stance detection using improved whale optimization algorithm. <i>Complex Intell. Syst.</i> 7, 1649–1672 (2021). <a href="https://doi.org/10.1007/s40747-021-00294-0">https://doi.org/10.1007/s40747-021-00294-0</a>
8	Prajapati, A. Two-Archive Fuzzy-Pareto-Dominance Swarm Optimization for Many-Objective Software Architecture Reconstruction. <i>Arab J Sci Eng</i> 46, 3503–3518 (2021)
9	MOHINDRA, A. R., & GANDHI, C. (2021). A Secure Cryptography Based Clustering Mechanism for Improving the Data Transmission in MANET. <i>Walailak Journal of Science and Technology (WJST)</i> , 18(6), 8987-18.
10	Adwitiya Sinha, Megha Rathi, "COVID-19 Prediction using AI Analytics for South Korea" <i>Applied Intelligence</i> , Springer, pp. 1-19, 2021 [SCI, SCIE, Scopus Indexed, Impact Factor: 3.325] (ISBN: 1573-7497) (doi: 10.1007/s10489-021-02352-z) (H-Index: 58)
11	Vidyardhi, A., Patel, A. Deep assisted dense model based classification of invasive ductal breast histology images. <i>Neural Comput &amp; Applic</i> (2021).
12	Gupta, C., Gupta, V., & Stachowiak, A. (2021). Adoption of ICT-Based Teaching in Engineering: An Extended Technology Acceptance Model Perspective. <i>IEEE Access</i> , 9, 58652-58666.

13	Gaurav Kumar Nigam* and Chetna Dabas, "Enhanced Auxiliary Cluster Head Selection Routing Algorithm in Wireless Sensor Networks", Recent Advances in Computer Science and Communications 2021; 14(4)
14	Gaurav Kumar Nigam* and Chetna Dabas, "Energy Efficient Routing Protocol Using a Relay Node in Wireless Sensor Networks", International Journal of Sensors, Wireless Communications and Control 2020; 10(6) .
15	Harshit Gujral, Adwitiya Sinha, "Association between Exposure to Airborne Pollutants & COVID-19 in Los Angeles, United States with Ensemble-based Dynamic Emission Model," Environmental Research, Elsevier, volume 194, no. 110704, pp. 1-12, 2021 [SCIE Indexed, Impact Factor: 5.715] (ISBN: 0013-9351) (doi: 10.1016/j.envres.2020.110704) (H-index: 125)
16	Honey Jindal, Neetu Sardana, "PKM3: an optimal Markov model for predicting future navigation sequences of the web surfers", Pattern Analysis and Applications, Springer, 2021, 24(1), pp. 263–281.
17	Mittal, Himanshu, Avinash Chandra Pandey, Mukesh Saraswat, Sumit Kumar, Raju Pal, and Garv Modwel. "A comprehensive survey of image segmentation: clustering methods, performance parameters, and benchmark datasets." Multimedia Tools and Applications, 1-26, 2021.
18	Mittal, H., Pandey, A.C., Pal, R. et al. A new clustering method for the diagnosis of CoVID19 using medical images. Appl Intell 51, 2988–3011 (2021). <a href="https://doi.org/10.1007/s10489-020-02122-3">https://doi.org/10.1007/s10489-020-02122-3</a>
19	Singhal, H., Saxena, A., Mittal, N., Dabas, C., & Kaur, P. (2021). PolyGlut Persistence for Microservices-Based Applications. International Journal of Information Technologies and Systems Approach (IJITSA), 14(1), 17-32. <a href="http://doi.org/10.4018/IJITSA.2021010102">http://doi.org/10.4018/IJITSA.2021010102</a>
20	Nigam K., Godani K., Sharma D., Jain S., An Improved Approach for Stress Detection Using Physiological Signals, EAI Endorsed Transactions on Scalable Information Systems, 2001
21	Kavita Pandey, Vatsalya Yadav, Dhiraj Pandey, Shriya Vikhram, "MAGIC-I as Assistance for the Visually Impaired People", Recent Advances in Computer Science and Communications, Vol. 14, Issue 9, pp. 3030-3042, June, 2021, [Scopus Cite score = 1.2], Indexed in Scopus. [H index=11], DOI: 10.2174/2666255813999200821162134
22	Meeta Gupta, Adwitiya Sinha, "Distributed Temporal Data Prediction Model for Wireless Sensor Network," Wireless Personal Communications, Springer, pp. 1-10, 2021 [SCIE, Scopus Indexed, Impact Factor: 1.019] (ISBN: 0929-6212) (UGC: 33023) (doi: 10.1007/s11277-021-08427-x) (H-Index: 54)
23	Meeta Gupta, Adwitiya Sinha, "Enhanced-AES encryption mechanism with S-box splitting for wireless sensor networks," International Journal of Information Technology, Springer, vol 13, pp. 933–941, 2021 [Scopus Indexed] (ISBN: 2511-2112) (doi: 10.1007/s41870-021-00626-w)

24	Meeta Gupta, Adwitiya Sinha, "Particle Swarm Optimization Based Data Aggregation in Wireless Sensor Network," International Journal of Swarm Intelligence Research, volume 12, issue 1, pp. 1-16, 2021 [Scopus, ESCI Indexed] (ISSN: 1947-9263) (doi: 10.4018/IJSIR.2021010101) (H-Index: 4)
25	M Ramzan, S Dawn. (2021) Fused CNN-LSTM Deep learning emotion recognition model using Electroencephalography signals, International Journal of Neuroscience, Vol. 131, Issue 7, pp: 1-15 <a href="https://doi.org/10.1080/00207454.2021.1941947">https://doi.org/10.1080/00207454.2021.1941947</a>
26	Pawan Kumar, Adwitiya Sinha. "Information Diffusion Modeling & Analysis for socially interacting networks," Social Network Analysis & Mining, Springer, volume 11, no. 11, pp. 1-18, 2021 [Scopus Indexed] (ISBN: 1869-5469) (doi: 10.1007/s13278-020-00719-7) (H-Index: 36)
27	P Mishra, P Aggarwal, A Vidyarthi, P Singh, B Khan, HH Alhelou, P Siano, "VMShield: Memory Introspection-based Malware Detection to Secure Cloud-based Services against Stealthy Attacks", (2021).
28	R. K. Agrawal, B. Kaur, and P. Agarwal, "Quantum inspired Particle Swarm Optimization with guided exploration for function optimization," Applied Soft Computing, vol. 102, pp. 107–122, 2021, doi: <a href="https://doi.org/10.1016/j.asoc.2021.107122">https://doi.org/10.1016/j.asoc.2021.107122</a>
29	Raju Pal, Mukesh Saraswat, and Himanshu Mittal, "Improved Bag-of-Features using Grey Relational Analysis for Classification of Histology Images", Complex & Intelligent Systems, Springer, Volume 7, Issue 3, pp. 1429-1443, 2021.
30	Baranwal, S., Arora, A., & Khandelwal, S. (2021). Detecting diseases in plant leaves: an optimised deep-learning convolutional neural network approach. International Journal of Environment and Sustainable Development, 20(2), 166-188.
31	Kaushik, S., & Gandhi, C. (2021). Fine Grained Decentralized Access Control With Provable Data Transmission and User Revocation in Cloud. International Journal of Information Security and Privacy (IJISP), 15(2), 29-52.
32	Garg, V., Sahoo, A., & Saxena, V. (2021). Enhanced textural analysis for endometrial tuberculosis identification from ultrasound images. International Journal of Information Technology, 13(2), 657-666.
33	V.Puri, P. Kaur, S.Sachdeva,"ADT: Anonymization of Diverse Transactional Data", International Journal of Information Security and Privacy, IGI Global, DOI:10.4018/IJISP.2021070106, 2021.
34	Sharma, V.K., Mittal, N. & Vidyarthi, A. Semantic morphological variant selection and translation disambiguation for cross-lingual information retrieval. Multimed Tools Appl (2021).
35	M Ramzan, S Dawn. "Analyzing and identifying Oscillatory activities of emotions based on Electroencephalography signals using Power Spectral Density and Spatial filtering techniques", International Journal of Biomedical Signal Processing and Control, Vol. 71 (B), Online first - October 2021

36	Vijh, S., Saraswat, M. & Kumar, S. A new complete color normalization method for H&E stained histopathological images. <i>Appl Intell</i> 51, 7735–7748 (2021)
37	Garg, V, Sahoo, A, and Saxena, V., “A cognitive approach to Endometrial Tuberculosis Identification using Hierarchical Deep Fusion Method”, <i>Soft Computing</i> , 2021. <a href="https://doi.org/10.1007/s00500-021-06474-x">https://doi.org/10.1007/s00500-021-06474-x</a> . (Publisher: Springer, SCIE, Scopus indexed, IF: 3.5)
38	Sharma, A., Kaur, P. TOSDS: Tenant-centric Object-based Software Defined Storage for Multitenant SaaS Applications. <i>Arab J Sci Eng</i> 46, 9221–9235 (2021). <a href="https://doi.org/10.1007/s13369-021-05743-z">https://doi.org/10.1007/s13369-021-05743-z</a>
39	Manju A Meta-Heuristic Based Approach with Modified Mutation Operation For Heterogeneous Networks. <i>Wireless Pers Commun</i> (2021). <a href="https://doi.org/10.1007/s11277-021-08935-w">https://doi.org/10.1007/s11277-021-08935-w</a>
40	Singh, S., Manju, Malik, A. et al. A threshold-based energy efficient military surveillance system using heterogeneous wireless sensor networks. <i>Soft Comput</i> (2021). <a href="https://doi.org/10.1007/s00500-021-06033-4">https://doi.org/10.1007/s00500-021-06033-4</a>
41	P. Agarwal, S. Mehta, and A. Abraham, “A meta-heuristic density-based subspace clustering algorithm for high-dimensional data,” <i>Soft Computing</i> , vol. 25, no. 1, pp. 10237–10256, 2021, doi: 10.1007/s00500-021-05973-1.
42	A. Dutta, P. Agarwal, A. Mittal, and S. Khandelwal, “Detecting grades of diabetic retinopathy by extraction of retinal lesions using digital fundus images,” <i>Research on Biomedical Engineering</i> , no. 0123456789, 2021, doi: 10.1007/s42600-021-00177-w.
43	Priti Kumari, Parmeet Kaur, A survey of fault tolerance in cloud computing, <i>Journal of King Saud University - Computer and Information Sciences</i> , Volume 33, Issue 10, 2021, Pages 1159-1176
44	Suruchi Gera, Adwitiya Sinha, “A Machine Learning-based Malicious Bot Detection Framework for Trend-centric Twitter Stream,” <i>Journal of Discrete Mathematical Sciences &amp; Cryptography</i> , Taylor & Francis, vol. 24, issue 5, pp. 1337-1348, 2021, doi: 10.1080/09720529.2021.1932923
45	Chopra M, Purwar A. Recent Studies on Segmentation Techniques for Food Recognition: A Survey. <i>Archives of Computational Methods in Engineering</i> . 2021 May 6:1-4.
46	Chahal, E.S., Patel, A., Gupta, A. and Purwar, A., 2021. Unet based Xception Model for Prostate Cancer Segmentation from MRI Images. <i>Multimedia Tools and Applications</i> , pp.1-17.
47	Paul N, Bhatt AJ, Rizvi S. Malware Detection in Android Apps Using Static Analysis. <i>Journal of Cases on Information Technology (JCIT)</i> . 2022 Aug 1;24(3):1-25.
48	Mishra, S., Soni, D. DSmishSMS-A System to Detect Smishing SMS. <i>Neural Comput &amp; Applic</i> (2021). <a href="https://doi.org/10.1007/s00521-021-06305-y">https://doi.org/10.1007/s00521-021-06305-y</a>

49	Somya Jain, Adwitiya Sinha. "Discovering influential users in social network using weighted cumulative centrality", <i>Concurrency and Computation: Practice and Experience</i> , Wiley, pp.1-21, 2021 [Scopus, SCIE Indexed, Impact Factor: 1.536] (ISSN: 1532-0634) (doi: 10.1002/cpe.6521) (H-Index: 67)
50	Adwitiya Sinha, "PSIR: A Novel Phase-wise Diffusion Model for Lockdown Analysis of COVID-19 Pandemic in India," <i>System Assurance Engineering &amp; Management</i> , Springer, pp. 1-17, October 2021 [Scopus, ESCI Indexed] (ISSN: 0975-6809) (UGC: 7649) (doi: 10.1007/s13198-021-01477-1) (H-Index: 24)
51	Deepanshi, Adwitiya Sinha, "Self-Aware Contextual Behavior Analysis for Service Quality Assurance over Social Networks," <i>Journal of Cases on Information Technology</i> , IGI Global, pp. 1-17, 2021 (online 2022) [Scopus Indexed] (ISSN: 1548-7725) (doi: 10.4018/JCIT.20220701.oa8) (H-Index: 14)
52	Arora, A., Jayal, A., Gupta, M., Mittal, P., & Satapathy, S. C. (2021). Brain Tumor Segmentation of MRI Images Using Processed Image Driven U-Net Architecture. <i>Computers</i> , 10(11), 139.
53	Prajapati, A. Software Package Restructuring with Improved Search-based Optimization and Objective Functions. <i>Arab J Sci Eng</i> 46, 9023–9043 (2021)
54	Arora, A., Pangasa, R., Goel, S., & Tewari, T. K. (2021). Audio acoustic features-based instrument recognition using classification algorithms. <i>International Journal of Advanced Intelligence Paradigms</i> , 20(1-2), 190-209.
55	Kushwah, R., Kaushik, M., & Chugh, K. (2021). A modified whale optimization algorithm to overcome delayed convergence in artificial neural networks. <i>Soft Computing</i> , 25(15), 10275-10286.
56	Gandhi, C., & Arya, V. (2021). Designing a Energy Efficient Node Disjoint Multipath Routing technique to achieve energy efficiency in Mobile Ad Hoc Networks. <i>Design Engineering</i> , 1713-1727.
57	Verma, A., & Kumar, S. (2021). Routing Protocols in Delay Tolerant Networks: Comparative and Empirical Analysis. <i>Wireless Personal Communications</i> , 1-24.
58	H. Mittal and M. Saraswat, "A New Fuzzy Cluster Validity Index for Hyperellipsoid or Hyperspherical Shape Close Clusters With Distant Centroids," in <i>IEEE Transactions on Fuzzy Systems</i> , vol. 29, no. 11, pp. 3249-3258, Nov. 2021, doi: 10.1109/TFUZZ.2020.3016339.
59	Megha Bisht, Pranav Mangla, Sanya, Vartika Puri, "ATPM: Achieving t-Closeness using Particle Swarm Optimization and Movement of Record", <i>IJSER</i> , 2021.
60	S. Agarwal, S. Mehta, "Online Behavior Balancing Model for Influence Maximization in Twitter", <i>Recent Advances in Computer Science and Communications</i> , 13(1), 1-15, 2021
61	Ajmera, Kashav, and Tribhuwan Kumar Tewari. "VMS-MCSA: virtual machine scheduling using modified clonal selection algorithm." <i>Cluster Computing</i> 24.4 (2021): 3531-3549.

62	Mukta Goyal, Nitin Tyagi*, " Assessment and Adoption Analysis for Smart Governance using Fuzzy Conjoint Model",Journal Name: Recent Advances in Computer Science and Communications(Formerly Recent Patents on Computer Science), Volume 14 , Issue 7 , [2314 - 2323, 2021
63	A. Yadav, D. Yadav, and A. Jain, "An Improvised Feature-Based Method for Sentiment Analysis of Product Reviews", EAI Endorsed Transactions on Scalable Information Systems, 8(29), e5, 2021.
64	Kaur, A., Gupta, G. P., & Mittal, S. (2021). Comparative Study of the Different Variants of the DV-Hop Based Node Localization Algorithms for Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 1-43.
65	Jain, Arti, Anuja Arora, Divakar Yadav, Jorge Morato, and Amanpreet Kaur. "Text Summarization Technique for Punjabi Language Using Neural Networks.", <i>The International Arab Journal of Information Technology</i> , Vol. 18, No. 6, November 2021
66	P Raghu Vamsi, Agrah Jain. "GETTING STARTED WITH ANDROID MOBILE APPLICATIONS SECURITY TESTING." <i>Scientific and practical cyber security journal</i> (2021).
67	Ravindran, U., Bhardwaj, P., & Vamsi, P. R. (2021). Blockchain Design for Securing Supply Chain Management in Coffee Retailer Network. <i>International Journal of Scientific Research in Science and Technology</i> , 492–502. doi:10.32628/cseit2174119
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69	Yadav, V.K., Andola, N., Verma, S. and Venkatesan, S., 2021. A Survey of Oblivious Transfer Protocol. <i>ACM Computing Surveys (CSUR)</i> .
70	Andola, N., Prakash, S., Yadav, V.K., Venkatesan, S. and Verma, S., 2021. A Secure Searchable Encryption Scheme for Cloud using Hash-Based Indexing. <i>Journal of Computer and System Sciences</i> .
71	Shivani Agarwal, Kavita Pandey, "An analysis of PCOS disease prediction model using machine learning classification algorithms", <i>Recent Patents on Engineering</i> , Vol. 15, Issue 6, pp. 1-14, Indexed in Scopus. December, 2020 (online 2021), ISSN: 2212-4047, DOI: 10.2174/1872212115999201224130204
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73	Hassija, Vikas, Vikas Saxena, and Vinay Chamola. "A mobile data offloading framework based on a combination of blockchain and virtual voting." <i>Software: Practice and Experience</i> 51, no. 12 (2021): 2428-2445.

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75	Kanchan, Shivangi, Parmeet Kaur, and Pranjal Apoorva. "Empirical Evaluation of NoSQL and Relational Database Systems." <i>Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science)</i> 14, no. 8 (2021): 2637-2650.
76	Jain, Meenal, and Gagandeep Kaur. "Distributed anomaly detection using concept drift detection based hybrid ensemble techniques in streamed network data." <i>Cluster Computing</i> 24, no. 3 (2021): 2099-2114.
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80	Kumar, Adarsh, Rajalakshmi Krishnamurthi, Surbhi Bhatia, Keshav Kaushik, Neelu Jyothi Ahuja, Anand Nayyar, and Mehedi Masud. "Blended Learning Tools and Practices: A Comprehensive Analysis." <i>Ieee Access</i> (2021): 85151-85197.
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82	Tiwari, S., Jain, A., Ahmed, N. M. O. S., Charu, , Alkwai, L. M., Dafhalla, A. K. Y., & Hamad, S. A. S. (2021). Machine learning-based model for prediction of power consumption in smart grid- smart way towards smart city. <i>Expert Systems</i> , e12832.
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