

## JIIT Publications Summary (Year 2005 - 2019)

S. No.	Paper Type	Total
1	International Journals	2255
2	National Journals	104
3	International Conferences	1482
4	National Conferences	298
5	Book Publications	33
6	Chapter Publications	203
7	Case Studies/Study Material/Articles/Reviews	52
	<b>Total</b>	<b>4427</b>

### Indexing wise Publication Summary

S. No.	Paper Type	Total
1	Indexed in SCOPUS	2508
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)	993
6	Others (Non-Peer reviewed)	458
7	SCI/SCIE	969

## List of Publications Year 2019

### Journals

S.No.	Full Reference
1	A. Kumar, M.M. Tripathi, and R. Chaujar, "RF Noise Modeling of Black Phosphorus Junctionless Trench MOSFET in Strong Inversion Region," Superlattices and Microstructures, vol. 125, pp. 72-79, Jan., 2019.
2	S. Kalia, A. Joshi and A. Agrawal, "Performance evaluation of OFDM systems over $\alpha$ - $\kappa$ - $\mu$ fading," in Electronics Letters, vol. 55, no. 23, pp. 1258-1260, Nov., 2019.
3	A. Chhabra, A. Kumar and R. Chaujar, "Sub-20nm GaAs Junctionless FinFET for Biosensing Application," Vacuum, vol. 160, pp. 467-471, Feb., 2019.
4	J. Shukla, A. Joshi and R. Tyagi, "PAPR analysis of OFDM system using AI based multiple signal representation methods," Telkominika, vol.17, no.6, pp. 2983-2991, Dec., 2019.
5	R. Saxena & S. Srivastava, " An insight into impedimetric immunosensor and its electrical equivalent circuit," <i>Sensors and Actuators B: Chemical</i> , VOL. 297, pp. 126-780, 2019.

6	D. Verma, S. Gupta, R. Saxena, P. Kaur, R. Rachana, S. Srivastava, V. Gupta, "Allosteric inhibition and kinetic characterization of <i>Klebsiella pneumoniae</i> CysE: An emerging drug target." <i>International journal of biological macromolecules</i> . 2019
7	Prasad, Bhagwati and K. Mishra, A Novel Encryption Compression Scheme using Julia sets, <i>Int. J. Advanced Intelligence Paradigms</i> , Vol. 13, Nos. 1/2, 2019, pp.8-14
8	R. Ghildiyal, S. Gupta, R. Gabrani, G. Joshi, A. Gupta, VK. Chaudhary, V. Gupta, "In silico study of chikungunya polymerase, a potential target for inhibitors" <i>Virus Disease</i> , vol. 30(3), pp. 394-402, Sep. 2019
9	Kuldeep Nigam, Atinderpal Kaur, Amit Tyagi, Kailash Manda, Reema Gabrani, Shweta Dang "Baclofen-Loaded Poly (D,L-Lactide-Co-Glycolic Acid) Nanoparticles for Neuropathic Pain Management: In Vitro and In Vivo Evaluation", <i>Rejuvenation research</i> , Vol 22(3), pp. 235-245, Jun 2019
10	A. Negi, & I.P. Sarethy, "Microbial Biodeterioration of Cultural Heritage: Events, Colonization, and Analyses," <i>Microbial ecology</i> , 78(4), 1014-1029, 2019.
11	S. Mani, S. N. Rao, & M.K. Kumar, M. K, "Genetic heterogeneity of mitochondrial genome in thiamine deficient Leigh syndrome patients", <i>Journal of the neurological sciences</i> , 404, 91-100, 2019.
12	I. Nandi, A. Gupta, VK. Chaudhary, V. Gupta, R. Gabrani*, S. Gupta*, "Expression, purification and functional characterization of recombinant Hyper Variable Region (HVR) of Chikungunya virus nsP3 protein" <i>3Biotech</i> , vol. 9, pp. 235, June 2019.
13	R. Sharma, R. Raghav, K. Priyanka, P. Rishi, S. Sharma, S. Srivastava & I. Verma, "Exploiting chitosan and gold nanoparticles for antimycobacterial activity of in silico identified antimicrobial motif of human neutrophil peptide-1," <i>Scientific reports</i> , 9(1), 1-14, 2019.
14	D. Verma, M. Antil, & V. Gupta, "Recombinant production of active <i>Streptococcus pneumoniae</i> CysE in <i>E. coli</i> facilitated by codon optimized BL21 (DE3)-RIL and detergent," <i>Preparative Biochemistry and Biotechnology</i> , 49(4), 368-374, 2019.
15	N. Gupta, K.A. Skinner, S. Khan, J.N. Edirisinghe, & C.S. Henry, "Draft Genome Sequence of <i>Enterobacter</i> sp. Strain A8, a Carbazole-Degrading Bacterium," <i>Microbiol Resour Announc</i> , 8(18), e00301-19, 2019.
16	K. Singhal, & S. Mohanty, "Genome organisation and comparative genomics of four novel <i>Wolbachia</i> genome assemblies from Indian <i>Drosophila</i> host" <i>Functional &amp; integrative genomics</i> , 19(4), 617-632, 2019.
17	K. Nigam, A. Kaur, A. Tyagi, M. Nematullah, F. Khan, R. Gabrani, S. Dang, "Nose-to-brain delivery of lamotrigine-loaded PLGA nanoparticles", <i>Drug delivery and translational research</i> , pp. 1-12, Mar 2019
18	N. Srivastava, I. Nandi, A. Ibeyaima, S. Gupta, & I.P. Sarethy, "Microbial diversity of a Himalayan forest and characterization of rare actinomycetes for antimicrobial compounds", <i>3 Biotech</i> , 9(1), 27, 2019.
19	Sharma S. and Yadav S. (2019), "Numerical solution of thermal elastic-plastic functionally graded thin rotating disk with exponentially variable thickness and variable density", <i>Thermal Science</i> , vol. 23 no. 1, pp. 125-136.

20	S.Sharma, “The Role of Perceived Value and Gender on Customers' Purchase Intention of Ride Sharing Services”, <i>International Journal of Asian Business and Information Management (IJABIM)</i> , vol.10, no.4,pp. 31-46, 2019
21	J. Naikoo, K. Thapliyal, S. Banerjee and <b>A. Pathak</b> , “Quantum Zeno effect and nonclassicality in a PT symmetric system of coupled cavities”, <i>Physical Review A</i> , vol. 99 p. 023820, (2019) (Impact Factor = 2.907)
22	P. Malpani, N. Alam, K. Thapliyal, A. Pathak, V. Narayanan, S. Banerjee, “Lower- and higher-order nonclassical properties of photon added and subtracted displaced Fock states,” <i>Annalen der Physik</i> 531 (2019) 1800318 (Impact Factor = 3.039)
23	P. Malpani, K. Thapliyal, N. Alam, A. Pathak, V. Narayanan, S. Banerjee. “Quantum phase properties of photon added and subtracted displaced Fock states.” , <i>Annalen Der. Physik</i> 531 (2019) 1900141
24	N. Shukla, P. Rana, O. A. Bég, Unsteady MHD Non-Newtonian Heat Transfer Nanofluids with Entropy Generation Analysis, <i>Nonlinear Engineering</i> , Vol. 8 (1), pp. 630-644, 2019
25	G. Arora, V. Joshi and R. C. Mittal ,Numerical Simulation of Nonlinear Schrödinger Equation in One and Two Dimensions, <i>Mathematical Models and Computer Simulations</i> , Vol. 11, No. 4, pp. 634–648, 2019.
26	Rachita Sethi, Amita Bhagat, Deepika Garg, ANFIS based Machine Repair Model with Control Policies and Working Vacation, <i>International Journal of Mathematical, Engineering and Management Science</i> , Vol. 4, No. 6, pp. 1522-1533, 2019
27	Verma P. and Kaur L., "Painlevé integrability, bilinearization and exact solutions of the new (3+ 1)-dimensional generalized Kadomstev-Petviashvili equation" <i>Nonlinear Studies</i> , Volume 26, Issue 2, Pages 279-287, 2019.
28	A. M. Wazwaz and L. Kaur, Optical solitons for nonlinear Schrödinger (NLS) equation in normal dispersive regimes, <i>Optik</i> 184 (2019): 428-435.
29	P. Verma and L. Kaur, Integrability, bilinearization and analytic study of new form of (3+ 1)-dimensional B-type Kadomstev–Petviashvili (BKP)-Boussinesq equation, <i>Applied Mathematics and Computation</i> 346 (2019): 879-886.
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32	L. Kaur and A. M. Wazwaz, Einstein's vacuum field equation: Painlevé analysis and Lie symmetries, <i>Waves in Random and Complex Media</i> (2019): 1-8.
33	A. M. Wazwaz and L. Kaur, Optical solitons and Peregrine solitons for nonlinear Schrödinger equation by variational iteration method, <i>Optik</i> 179 (2019): 804-809.
34	L. Kaur and A. M. Wazwaz, Bright–dark optical solitons for Schrödinger-Hirota equation with variable coefficients, <i>Optik</i> 179 (2019): 479-484.

35	L. Kaur and A. M. Wazwaz, Bright-dark lump wave solutions for a new form of the (3+1)-dimensional BKP-Boussinesq equation, <i>Romanian Reports in Physics</i> 71 (2019): 1-11.
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37	P. Joshi, A. Gupta, & V. Gupta, V, "Insights into multifaceted activities of CysK for therapeutic interventions", <i>3 Biotech</i> , 9(2), 44,2019.
38	P. Soni, and K.M. Bakhru, "Eudaimonic Well - Being of Management Education Teachers: Role of Big Five Personality Traits Using Structural Equation Modeling", <i>Prabandhan: Indian Journal of Management</i> , vol. 12, no. 4, pp. 23-43, 2019.
39	S. Sharma, "A study of relationship between culture, gender and sustainable tourism: a study of Bhutan" <i>Journal of Environmental Accounting and Management</i> , vol.7, no.4, pp. 367-379, 2020
40	K. Thapliyal, <b>A. Pathak</b> , B. Sen, J. Perina. "Lower-and-higher-order nonclassical features in non-degenerate hyper-Raman processes," <i>Optics Communication</i> vol. 444 pp. 111-119, (2019) (Impact Factor = 1.888)
41	Surya AV, and Sharma R, 'Cost of Primary Care during Episodes of Child Diarrhoea in Uttar Pradesh', <i>Indian Journal of Public Health Research and Development</i> , Vol. 10, No. 9 (September), 2019
42	Malik A., Suresh S., Sharma S., "An empirical study of factors influencing consumers' attitude towards adoption of wallet apps", <i>International Journal of Management Practice</i> , 2019 Vol.12 No.4, pp 426-442 19AMAEJBIJ01
43	Surya AV, Sanjeev MA and Sharma R, 'Attitudinal Parameters Influencing Treatment Seeking Behaviour during Child Diarrhea in India', <i>Indian Journal of Public Health Research and Development</i> , Vol. 10, No. 4 (April), 2019
44	A. Mukherjee, B Sen, K. Thapliyal, S. Mandal and <b>A. Pathak</b> . "Interaction of light and semiconductor can generate quantum states required for solid state quantum computing: Entangled, steered and other nonclassical states." <i>Quantum Information Processing</i> . vol. 18, p. 234, (2019) (Impact Factor = 2.223)
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46	M. Singh, N. Kumar, S. Dwari and P. Kala "Metamaterial-inspired miniaturized antenna loaded with IDC and meander line inductor using partial ground plane," <i>International Journal of RF and Microwave Computer Aided Engineering</i> , vol. 29, no. 9, pp. 1 - 10, May,2019.
47	K. Mandal, N. Alam, A. Verma, <b>A. Pathak</b> and J. Banerjee. "Generalized binomial state: Nonclassical features observed through various witnesses and a quantifier of nonclassicality," <i>Optics Communication</i> . vol. 445 pp. 193-203 (2019) (Impact Factor = 1.888)

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50	S. Saxena, P. Mathur, V. Shukla, & V. Rani," Differential expression of novel MicroRNAs from developing fetal heart of Gallus gallus domesticus implies a role in cardiac development," <i>Molecular and cellular biochemistry</i> , 462(1-2), 157-165, 2019.
51	Sharma S., Maheshwari K. (2019), "Elastic-plastic transition in functionally graded thin rotating orthotropic disk with variable thickness and density", <i>Structural Integrity and Life</i> , vol 19 no. 3, pp. 157-165.
52	A. Bhardwaj and S. Akhter, "A Hardware Efficient Watermarking Technique Based on LFSR," <i>International Journal of Recent Technology and Engineering (IJRTE)</i> , vol. 8, no. 3, pp. 3264-3268, Sep., 2019.
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54	M. R. Behera and A. Sharma, "Recent advances in total factor productivity growth measurement in agriculture: a review of literature", <i>International Journal of Business and Globalisation</i> , Vol. 23, No. 4, pp. 598-619, 2019.
55	R. Khanna, N. Prakash, A. Sharma, "Framework to Improve Coordination Amongst Ministries to Strengthen ASHA Program in India: Based on the Assessment of ASHA program in Rural Rajasthan", <i>Indian Journal of Community Health</i> , vol.31, no. 4, pp. 442-449, 2019.
56	A. Garg, M. R. Bhatnagar, O. Berder and B. Vrigneau, "Performance Analysis of Erroneous Feedback-Based MIMO System Over Nakagami- m Fading Channels," <i>IEEE Trans. Commun.</i> , vol. 67, no. 8, pp. 5403-5418, Aug., 2019.
57	T. Gupta, S. Akhter, A. Srivastava and Saurabh Chaturvedi, "HDL Implementation of Five Moduli Residue Number System," <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</i> , vol. 8, no. 9, pp. 689-693, July, 2019.
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60	Surya AV, and Sharma R, 'Understanding the Impact of Open Defecation on Child Diarrhea and Nutrition Indicators', <i>Journal of Health Management</i> , Volume 21 Number 4, 2019.

61	A.Malik, A, S. Suresh and S. Sharma, “An empirical study of factors influencing consumers' attitude towards adoption of wallet apps”, <i>International Journal of Management Practice</i> , vol. 12, no.4,pp. 426-442, 2019
62	R. Beniwal, G.N. Tiwari and H.O. Gupta, “Overall efficiency enhancement and cost optimization of semitransparent photovoltaic thermal air collector,” <i>ETRI Journal</i> , Aug., 2019.
63	S. Dev , "Age and Income as Drivers of Customer's Switching Perception in Indian Banking Industry", <i>International Journal of Asian Business &amp; Information Management</i> , vol. 10, no. 4, pp. 59-71, Oct-Dec 2019.
64	A. Mishra and A. Agarwal, “Core Inflation and Economic Growth, Does Nonlinearity Matters? A Nonlinear Granger Causality Analysis”, <i>Iranian Economic Review (IER)</i> ,vol.23, no.4,pp/941-961, Dec. 2019. ISSN no. 2588-6096.
65	A.Mishra and A. Agarwal, “ Do Infrastructure Development and Urbanization Lead to Rural-Urban Income Inequality? Evidence from some Asian Countries”, <i>International Journal of Sustainable Economy (IJSE)</i> ,vol.11, no. 02,pp. 167-183, 2019. ISSN no. 1756-5812
66	P. Soni and K.M. Bakhru, “A Review on Teachers Eudemonic Well-Being and Innovative Behavior: Exploring the importance of Personality, Work-Life Balance, Self-Efficacy and Demographic Variables ”, <i>International Journal of Learning and Change</i> , vol. 11, no. 2, pp. 169-189, 2019.
67	K. Thapliyal and <b>A. Pathak</b> . “Quantum e-commerce: A comparative study of possible protocols for online shopping and other tasks related to e-commerce.” , <i>Quantum Information Processing</i> . vol. 18, p.191, (2019) (Impact Factor = 2.223)
68	Baliyan, S., Rafat, M., Panwar, A., Sharma, N. K., Sajal, V., “Suppression of stimulated Raman side-scattering of a laser in a plasma in presence of co-propagating electron beam”, <i>Optik</i> , vol. 179, pp. 330-335, 2019.
69	Awasthi, S. K., Panda, R., Verma, A., Chauhan, P. K., and Shiveshwari, L., "Microwave multichannel tunable filter based on transmission and reflection properties of 1D magnetized plasma photonic crystal heterostructures", <i>Indian J Phys</i> <a href="https://doi.org/10.1007/s12648-019-01612-6">https://doi.org/10.1007/s12648-019-01612-6</a> (2019). [Impact factor 1.24] [SCI Indexed]
70	A. Nyar, R. KrishNmurthi, P. Sarkar, G. Palai, "Studies on coupling of optical power to graphene based NN waveguide at 1550 nm for application in photonic integrated circuit", <i>Optik, Urban &amp; Fischer</i> , Vol. 185, pp.636-642, 2019.
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72	M. Agarwal and R.P. Maheshwari, "Multi Channel Local Ternary co-occurrence pattern for content based image retrieval," <i>Iranian Journal of Science and Technology, Transactions of Electrical Engineering</i> , pp 1-10, June, 2019.
73	Kapoor, V., Sharma, N. K., Sajal, V., “Effect of zinc oxide overlayer on the sensitivity of fiber optic SPR sensor with indium tin oxide layer”, <i>Optik</i> , vol. 185, pp. 464-468, 2019.

74	Mann, K. L., Sajal, V., Panwar, A., Sharma, N. K., "Excitation of terahertz radiation by parametric coupling of a laser beam and its frequency shifted second harmonic in a corrugated magnetized plasma", <i>Optik</i> , vol. 179, pp. 401-407, 2019.
75	Mann, K. L., Sajal, V., Panwar, A., Sharma, N. K., "Excitation of terahertz radiation by parametric mixing of four waves in magnetized plasma", <i>Optik</i> , vol. 186, pp. 182-186, 2019.
76	Singh, S., Katyal, S. C. and <b>Goswami</b> , N., "Dielectric and Electrical Study of Zinc Copper Ferrite Nanoparticles Prepared by Exploding Wire Technique", <i>Applied Physica A</i> , 125 (9), 638:1-14, (2019). [Impact factor 1.784] [SCI Indexed]
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79	Tripathi D., Dey T. K., "Effect of particle size distribution on thermo mechanical properties of NiO filled LDPE composites", <i>Bull. Mater. Sci.</i> 42:174, 2019.
80	Rana, M. and Chowdhury, P., "L-glutathione capped CdSeS/ZnS quantum dot sensor for the detection of environmentally hazardous metal ions", <i>Journal of Luminescence</i> , Vol. 206, 2019, 105-112.
81	Rana, M. and Chowdhury, P., "Studies on Size Dependent Structures and Optical Properties of CdSeS Clusters" <i>Journal of Cluster Science</i> , 2019.
82	Rana, M., Jain, A., Rani, V. and Chowdhury, P. "Glutathione capped core/shell CdSeS/ZnS quantum dots as a medical imaging tool for cancer cells" <i>Inorganic Chemistry Communications</i> Volume 112, February 2019, 107723
83	Sharma S. and Yadav S. (2019), "Numerical solution of thermal elastic-plastic functionally graded thin rotating disk with exponentially variable thickness and variable density", <i>Thermal Science</i> , vol. 23 no. 1, pp. 125-136.
84	Prasad, Bhagwati and K. Mishra, A Novel Encryption Compression Scheme using Julia sets , <i>Int. J. Advanced Intelligence Paradigms</i> , Vol. 13, Nos. 1/2, 2019, pp.8-14
85	<b>Aggarwal, A.K.</b> and Dixit, D. "Triple diffusive convection of non-Newtonian fluid under the combined effect of compressibility and variable gravity" <i>Int. J. of Applied Mechanics and Engineering</i> , vol.24, no.4, pp.1-11, 2019.
86	Verma, D., <b>Agarwal, H. and Aggarwal, A. K.</b> "Recognition of Degraded and Non Degraded Roman Characters Using Different Classifiers", <i>Universal Journal of Electrical and Electronic Engineering</i> , vol.6, no. 5, pp. 402-419, 2019.
87	Verma, D., <b>Agarwal, H. and Aggarwal, A.K.</b> "3D motion trajectories recognition using optimal set of geometric primitives, angular and statistical features", <i>International Journal of Innovative Technology and Exploring Engineering</i> , vol. 9, no.2, 2019.

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<b>102</b>	Ankur Bhardwaj and Shamim Akhter, "Modified Counter Based Approach for Digital Watermarking of Sequential Circuits "International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol .8 Issue.8 (2019), pp. 3409-3413
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