









2022	Biopolymer xanthan gum templated facile synthesis of reusable cerium oxide nanoparticles as catalyst for reduction of nitroaromatic compounds	Kaur A., Bajaj B., Sud D.	1735207X	Journal of the Iranian Chemical Society	19	11	0	0	0	0	0	0	0	0	0
2022	Sensitivity analysis of feature weighting for classification	Singh D., Singh B.	14337541	Pattern Analysis and Applications	25	4	0	0	0	0	0	0	0	0	0
2022	Cross-Layer based Energy Efficient Wireless Sensor Network for Large Farms	Kumar A., Dhaliwal B.S., Singh D.	2185310X	International Journal of Intelligent Engineering and Systems	15	5	0	0	0	0	0	0	0	0	0
2022	Multiband antenna design based on Gosper fractal for implantable biomedical devices	Kumar R., Singh S., Singh Chauhan A.P.	17590787	International Journal of Microwave and Wireless Technologies	14	8	0	0	0	0	0	0	0	0	0
2022	Special Issue on Innovative Applications of Big Data and Cloud Computing	Yang C.-T., Tsung C.-K., Yen N.Y., Verma V.K.	20763417	Applied Sciences (Switzerland)	12	19	0	0	0	0	0	0	0	0	0
2022	Nanogap effects on plasmonic properties of dimer	Bhatia P., Verma S.S., Sinha M.M.	3068919	Optical and Quantum Electronics	54	10	0	0	0	0	0	0	0	0	0
2022	200 Gb/s PAM4 modulator design without DAC for inter Data-Centre Communication	Sharma V., Singh S., Lovkesh	3068919	Optical and Quantum Electronics	54	10	0	0	0	0	0	0	0	0	0
2022	Prediction of surface roughness in turning using vibration features selected by largest Lyapunov exponent based ICEEMDAN decomposition	Guleria V., Kumar V., Singh P.K.	2632241	Measurement: Journal of the International Measurement Confederation	202		0	0	0	0	0	1	1	0	1
2022	Solution of Dual Boundary Layer Singular Perturbation Problem by Septic Hermite Collocation Technique	Kumari A., Shallu, Kukreja V.K.	23495103	International Journal of Applied and Computational Mathematics	8	5	0	0	0	0	0	0	0	0	0
2022	An optimistic approach for task scheduling in cloud computing	Sharma M., Kumar M., Samriya J.K.	25112104	International Journal of Information Technology (Singapore)	14	6	0	0	0	0	0	0	0	0	0
2022	Reduced cost numerical methods of sixth-order convergence for systems of nonlinear models	Singh H., Sharma J.R.	15787303	Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales - Serie A: Matematicas	116	4	0	0	0	0	0	2	2	0	2



2022	pH shifting treatment of ultrasonically extracted soybean meal protein isolate: Effect on functional, structural, morphological and thermal properties	Das D., Panesar P.S., Saini C.S.	13595113	Process Biochemistry	120		0	0	0	0	0	0	0	0	0
2022	An efficient feature selection method based on improved elephant herding optimization to classify high-dimensional biomedical data	Singh H., Singh B., Kaur M.	2664720	Expert Systems	39	8	0	0	0	0	0	0	0	0	0
2022	Mathematical Modeling and Characterization of Starch Nanocrystals Synthesized from Pearl Millet Varieties with Different Amylose Content	Bhardwaj M., Sandhu K.S., Saxena D.C.	389056	Starch/Staerke	74	9-10	0	0	0	0	0	0	0	0	0
2022	Performance Evaluation of Enhanced Manhattan Mobility Model Over GM, RWP, Manhattan Grid, SLAW, and TLW Mobility Models in MANETs	Kour S., Singh J.	26662558	Recent Advances in Computer Science and Communications	15	7	0	0	0	0	0	0	0	0	0
2022	State of the art in fiber optics sensors for heavy metals detection	Kumar Shakya A., Singh S.	303992	Optics and Laser Technology	153		0	0	0	0	0	4	4	0	4
2022	Exploration of microwaves for biorefining of phenolic antioxidants from Citrus reticulata peels: Spectrophotometric and spectroscopic analyses	Kaur S., Panesar P.S., Chopra H.K.	1458892	Journal of Food Processing and Preservation	46	9	0	0	0	0	0	1	1	0	1
2022	Optimal Power Flow Based DR in Active Distribution Network With Reactive Power Control	Verma R., Padhy N.P.	19328184	IEEE Systems Journal	16	3	0	0	0	0	0	1	1	0	1
2022	Antioxidant potential, anti-nutritional factors, volatile compounds and phenolic composition of microwave heat-treated plum (Prunus domestica. L.) kernels: an analytical approach	Sheikh M.A., Saini C.S., Sharma H.K.	0007070X	British Food Journal	124	10	0	0	0	0	0	1	1	0	1
2022	Maximal overlap discrete wavelet packet transforms-based bipolar neutrosophic cross entropy measure for identification of rotor defects	Gandhi C.P., Xiang J., Kumar A., Vashishtha G., Kant R.	2632241	Measurement: Journal of the International Measurement Confederation	200		0	0	0	0	0	1	1	0	1
2022	Parametric optimization of FDM using the ANN-based whale optimization algorithm	Kumar P., Gupta P., Singh I.	8900604	Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM	36		0	0	0	0	0	1	1	0	1







2022	Effect of process parameters on roll separating force, driving torque and end crop length during grooved hot rolling of SAE 1020 steel	Singh G., Singh P.K.	15266125	Journal of Manufacturing Processes	79	0	0	0	0	0	0	1	1	0	1
2022	A comparative study of structural and multiferroic properties of Ca, Sr and Ba doped 0.2BiFeO <sub>3</sub> -0.8PbTiO <sub>3</sub> solid solutions	Pal J., Kumar S., Aggarwal K., Kumar S., Chen C.-L., Huang W.-H., Su W.-N., Singh A.	10445803	Materials Characterization	189	0	0	0	0	0	0	0	0	0	0
2022	An ameliorated African vulture optimization algorithm to diagnose the rolling bearing defects	Vashishtha G., Chauhan S., Kumar A., Kumar R.	9570233	Measurement Science and Technology	33	7	0	0	0	0	0	9	9	0	9
2022	Structural, thermal, and rheological properties of starches isolated from four different varieties of Indian barnyard millet (Echinochloafrumentacea)	Dimri S., Singh S.	1458892	Journal of Food Processing and Preservation	46	7	0	0	0	0	0	0	0	0	0
2022	Effect of malting and roasting of chickpea on functional and nutritional qualities of its protein fractions	Kaur R., Prasad K.	9505423	International Journal of Food Science and Technology	57	7	0	0	0	0	0	1	1	0	1
2022	Investigation and multi-objective optimization of monocrystalline silicon wafering using wire electro-discharge machining	Verma A.S., Singh S.	9544062	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	236	13	0	0	0	0	0	1	1	0	1
2022	Satellite imagery analysis for road segmentation using U-Net architecture	Chaudhary V., Buttar P.K., Sachan M.K.	9208542	Journal of Supercomputing	78	10	0	0	0	0	0	0	0	0	0
2022	An enhanced approach for solving multi-objective cogeneration based unit commitment problem	Anand H., Narang N., Dhillon J.S.	19447442	Environmental Progress and Sustainable Energy	41	4	0	0	0	0	0	0	0	0	0
2022	Standardization of ultrasound assisted extraction for the recovery of phenolic compounds from mango peels	Kaur B., Panesar P.S., Anal A.K.	221155	Journal of Food Science and Technology	59	7	0	0	0	0	0	4	4	0	4
2022	A Nascent Technique for Cultivated Feature Selection using Evolutionary Computation Algorithms	Minocha S., Singh B.	27740226	Trends in Sciences	19	12	0	0	0	0	0	0	0	0	0
2022	Machine learning based computer aided diagnosis system for classification of breast masses in mammograms	Singh H., Sharma V., Singh D.	17426588	Journal of Physics: Conference Series	2267	1	0	0	0	0	0	0	0	0	0
2022	Multi-response optimization in turning of EN-24 steel under MQL	Thakur A., Guleria V., Lal R.	26318695	Engineering Research Express	4	2	0	0	0	0	0	2	2	0	2

2022	Adaptive MOMEDA model based variational mode decomposition for Pelton wheel fault detection	Vashishtha G., Chauhan S., Yadav N., Kumar A., Kumar R.	26318695	Engineering Research Express	4	2	0	0	0	0	0	0	3	3	0	3
2022	Characterization of spray dried diosgenin from fenugreek using binary blend of carrier agents	Arya P., Kumar P.	27725022	Applied Food Research	2	1	0	0	0	0	0	0	1	1	0	1
2022	Development of edible films from protein of brewer's spent grain: Effect of pH and protein concentration on physical, mechanical and barrier properties of films	Shrotri G.K., Saini C.S.	27725022	Applied Food Research	2	1	0	0	0	0	0	0	2	2	0	2
2022	Detection of foreign materials in wheat kernels using regional colour descriptors	Julka N., Singh A.P.	23071885	Journal of Engineering Research (Kuwait)	10	2 A	0	0	0	0	0	0	0	0	0	0
2022	A novel approach for prediction of surface roughness in turning of EN353 steel by RVR-PSO using selected features of VMD along with cutting parameters	Guleria V., Kumar V., Singh P.K.	1738494X	Journal of Mechanical Science and Technology	36	6	0	0	0	0	0	0	4	4	1	5
2022	Sensitivity Measurement based on the Refractive Index Detection of Dual-Coated PCF SPR Sensor	Kumar S., Kumar D.	9703950	Mapan - Journal of Metrology Society of India	37	2	0	0	0	0	0	0	0	0	0	0
2022	Morphological and mechanical characterization of the Al-4032/granite powder composites	Kumar D., Singh P.K., Saini P.	219983	Journal of Composite Materials	56	15	0	0	0	0	0	0	6	6	0	6
2022	MOEES-Multi Objective Energy Efficient Clustering Scheme for Wireless Sensor Networks	Kumar A., Dhaliwal B.S., Singh D.	2185310X	International Journal of Intelligent Engineering and Systems	15	3	0	0	0	0	0	0	1	1	0	1
2022	Thermal, flammability and iso-conversional multiple heating rate kinetic studies of impregnated poplar wood veneers	Kumar M., Kumar M., Gulati K., Bagoria R., Arora S.	0972172X	Journal of the Indian Academy of Wood Science	19	1	0	0	0	0	0	0	0	0	0	0
2022	An Optimal Resource Provisioning Scheme Using QoS in Cloud Computing Based Upon the Dynamic Clustering and Self-Adaptive Hybrid Optimization Algorithm	Singh J.	2185310X	International Journal of Intelligent Engineering and Systems	15	3	0	0	0	0	0	0	0	0	0	0
2022	Sliding wear characteristics of Al-4032/SiC/GMP hybrid composites using L-16 orthogonal array	Kumar D., Singh P.K.	26318695	Engineering Research Express	4	2	0	0	0	0	0	0	1	1	0	1
2022	Investigation on characterization and machinability of Al-4032/SiC metal matrix composite	Saini P., Singh P.K.	2051672X	Surface Topography: Metrology and Properties	10	2	0	0	0	0	0	0	5	5	0	5

2022	Designing and Analysis of Ultrathin Metamaterial Absorber for W Band Biomedical Sensing Application	Singh H., Gupta A., Kaler R.S., Singh S., Gill A.S.	1530437X	IEEE Sensors Journal	22	11	0	0	0	0	0	0	3	3	0	3
2022	Probing the elastic, mechanical and thermodynamic properties of Weyl semimetals ZrX (X=S and Te)	Gupta Y., Sinha M.M., Verma S.S.	3044289	Pramana - Journal of Physics	96	2	0	0	0	0	0	0	0	0	0	0
2022	Improvement in properties of edible film through non-thermal treatments and nanocomposite materials: A review	Das D., Panesar P.S., Saini C.S., Kennedy J.F.	22142894	Food Packaging and Shelf Life	32		0	0	0	0	0	0	3	3	0	3
2022	Influence of laser cladding parameters on slurry erosion performance of NiCrSiBC + 50WC claddings	Singh S., Goyal D.K., Kumar P., Bansal A.	2634368	International Journal of Refractory Metals and Hard Materials	105		0	0	0	0	0	0	7	7	1	8
2022	Effect of Control Parameters on Tribological Performance of Al-4032/GP Composites	Kumar D., Singh P.K.	21984220	Journal of Bio- and Tribo-Corrosion	8	2	0	0	0	0	0	0	1	1	0	1
2022	Studies on microstructural characteristics and mechanical properties of hybrid Al-4032 AMC reinforced with SiC and granite marble powder	Saini P., Singh P.K.	9544062	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	236	11	0	0	0	0	0	0	1	1	0	1
2022	Visible light responsive S-Doped TiO2 nanoparticles: synthesis, characterization and photocatalytic degradation of pollutants	Sharotri N., Gupta S., Sud D.	23656379	Nanotechnology for Environmental Engineering	7	2	0	0	0	0	0	0	1	1	0	1
2022	Effect of germination on fatty acid profile, amino acid profile and minerals of amaranth (Amaranthus spp.) grain	Chauhan A., Kumari N., Saxena D.C., Singh S.	21934126	Journal of Food Measurement and Characterization	16	3	0	0	0	0	0	0	0	0	0	0
2022	Comparative Capabilities of Conventional and Ultrasonic-Assisted-Electrical Discharge Machining of Nimonic Alloy 75	Singh M., Singh S.	10599495	Journal of Materials Engineering and Performance	31	6	0	0	0	0	0	0	0	0	0	0
2022	An Integrated Exploration on Internet of Things and Wireless Sensor Networks	Sharma S., Verma V.K.	9296212	Wireless Personal Communications	124	3	0	0	0	0	0	0	9	9	0	9
2022	Effect of packaging materials on the shelf-life of vermicelli supplemented with enzyme processed kinnow pulp residue	Singla G., Panesar P.S., Sangwan R.S., Krishania M.	1458876	Journal of Food Process Engineering	45	6	0	0	0	0	0	0	1	1	0	1

2022	Modeling of texture quantification and image classification for change prediction due to COVID lockdown using Skysat and Planetscope imagery	Shakya A.K., Ramola A., Vidyarthi A.	23636203	Modeling Earth Systems and Environment	8	2	0	0	0	0	0	3	3	0	3
2022	Nutmeg nutraceutical constituents: In vitro and in vivo pharmacological potential	Malik T., Sharma R., Panesar P.S., Gehlot R., Tokusoglu O., Dhull S.B., Vural H., Singh A.	1458892	Journal of Food Processing and Preservation	46	6	0	0	0	0	0	1	1	0	1
2022	Performance Analysis of Heat Exchanger System Using Deep Learning Controller	Prasad B., Kumar R., Singh M.	2347470X	International Journal of Electrical and Electronics Research	10	2	0	0	0	0	0	0	0	0	0
2022	Microstructure and corrosion behavior of duplex stainless steel electron beam welded joint	Singh J., Shahi A.S.	222461	Journal of Materials Science	57	20	0	0	0	0	0	0	0	0	0
2022	Elucidation of chickpea hydration, effect of soaking temperature, and extent of germination on characteristics of malted flour	Kaur R., Prasad K.	221147	Journal of Food Science	87	5	0	0	0	0	0	0	0	0	0
2022	Microwave roasting induced structural, morphological, antioxidant, and functional attributes of Quinoa (Chenopodium quinoa Willd)	Kheto A., Joseph D., Islam M., Dhua S., Das R., Kumar Y., Vashishth R., Sharanagat V.S., Kumar K., Nema P.K.	1458892	Journal of Food Processing and Preservation	46	5	0	0	0	0	0	2	2	0	2
2022	An excellent derivative-free multiple-zero finding numerical technique of optimal eighth order convergence	Sharma J.R., Kumar S.	4303202	Annali dell'Universita di Ferrara	68	1	0	0	0	0	0	1	1	0	1
2022	Enhancing the storage stability of Pickering emulsion using esterified buckwheat starch with improved structure and morphology	Bist Y., Kumar Y., Saxena D.C.	236438	LWT	161		0	0	0	0	0	2	2	0	2
2022	Neural Style Transfer for image within images and conditional GANs for destylization	Mallika, Ubhi J.S., Aggarwal A.K.	10473203	Journal of Visual Communication and Image Representation	85		0	0	0	0	0	8	8	0	8
2022	State-space modeling and novel entropy-based health indicator for dynamic degradation monitoring of rolling element bearing	Kumar A., Parkash C., Vashishtha G., Tang H., Kundu P., Xiang J.	9518320	Reliability Engineering and System Safety	221		0	0	0	0	0	11	11	2	13
2022	Phase transformation behavior of Ca-doped zirconia sintered at different temperatures	Kumar A., Kumar P., Dhaliwal A.S.	12297801	Journal of the Korean Ceramic Society	59	3	0	0	0	0	0	6	6	0	6
2022	Design of biochemical biosensor based on transmission, absorbance and refractive index	Shakya A.K., Singh S.	25901370	Biosensors and Bioelectronics: X	10		0	0	0	0	0	4	4	0	4

2022	Formula refining through composite blend of soya, alfalfa, and wheat flour; A vegan meat approach	Sharma A., Rawat K., Jattan P., Kumar P., Tokusoglu O., Kumar P., Vural H., Singh A.	1458892	Journal of Food Processing and Preservation	46	5	0	0	0	0	0	0	1	1	0	1
2022	NMVI: A data-splitting based imputation technique for distinct types of missing data	Bhagat H.V., Singh M.	1697439	Chemometrics and Intelligent Laboratory Systems	223		0	0	0	0	0	0	1	1	0	1
2022	Performance Analysis of Quantum Classifier on Benchmarking Datasets	Kumar T., Kumar D., Singh G.	2347470X	International Journal of Electrical and Electronics Research	10	2	0	0	0	0	0	0	0	0	0	0
2022	Design of refractive index sensing based on optimum combination of plasmonic materials gold with indium tin oxide/titanium dioxide	Shakya A.K., Singh S.	19342608	Journal of Nanophotonics	16	2	0	0	0	0	0	0	2	2	0	2
2022	Hot corrosion performance of bare and coated T91 steel under actual and simulated bio-fuel fired boiler environment	Kumar M., Mudgal D., Ahuja L.	9714588	Indian Journal of Engineering and Materials Sciences	29	2	0	0	0	0	0	0	0	0	0	0
2022	Phytochemical Analysis and Characterization of Corn Silk (Zea mays, G5417)	Singh J., Inbaraj B.S., Kaur S., Rasane P., Nanda V.	20734395	Agronomy	12	4	0	0	0	0	0	0	3	3	0	3
2022	Numerical treatment of Benjamin-Bona-Mahony-Burgers equation with fourth-order improvised B-spline collocation method	Shallu, Kukreja V.K.	24680133	Journal of Ocean Engineering and Science	7	2	0	0	0	0	0	0	5	5	0	5
2022	Effect of spin orbit coupling on antiperovskites: Sr3BO (B = Pb, Sn)	Kaur T., Sinha M.M.	318949	Physica Scripta	97	4	0	0	0	0	0	0	0	0	0	0
2022	Development of frequency comb generation by spectral broadening of periodic optical pulses in semiconductor laser amplifiers	Sharma V., Singh S., Lovkesh	20408978	Journal of Optics (United Kingdom)	24	4	0	0	0	0	0	0	1	1	0	1
2022	Grayscale and colored image encryption model using a novel fused magic cube	Rani N., Sharma S.R., Mishra V.	0924090X	Nonlinear Dynamics	108	2	0	0	0	0	0	0	6	6	0	6
2022	Theoretical study on plasmonic applications of Gallium alloy (GaX, X = Ag, Al, Hg and In) nanospheres and nanoshells	Bhardwaj A., Verma S.S.	224073	Journal of Quantitative Spectroscopy and Radiative Transfer	281		0	0	0	0	0	0	1	1	0	1
2022	Isolation, characterization, bio-accessibility and cytotoxic effect of ellagitannins purified from peels of Punica granatum Indian var. Bhagwa	Foujdar R., Chopra H.K., Bera M.B., Batra K.	21934126	Journal of Food Measurement and Characterization	16	2	0	0	0	0	0	0	0	0	0	0
2022	Recent advances in therapeutical applications of the versatile hydroxypyridinone chelators	Sharma S., Baral M., Kanungo B.K.	9230750	Journal of Inclusion Phenomena and Macrocyclic Chemistry	102	3-4	0	0	0	0	0	0	1	1	0	1



2022	Functional, thermal and structural properties of fractionated protein from waste banana peel	Deb S., Kumar Y., Saxena D.C.	25901575	Food Chemistry: X	13		0	0	0	0	0	2	2	0	2	
2022	To study of complex dynamics of some iterative techniques for computing multiple roots	Kumar S., Kumar D., Sharma J.R., Kumar R.	0094243X	AIP Conference Proceedings	2435		0	0	0	0	0	0	0	0	0	
2022	Computational analysis of some partial differential equations using efficient compact finite difference method	Kaur R., Kukreja V.K.	0094243X	AIP Conference Proceedings	2435		0	0	0	0	0	0	0	0	0	
2022	Design of an ultra-sensitive bimetallic anisotropic PCF SPR biosensor for liquid analytes sensing	Shakya A.K., Ramola A., Singh S., Van V.	10944087	Optics Express	30	6	0	0	0	0	0	6	6	0	6	
2022	Tracking the concentration of Al <sup>3+</sup> in the aqueous system up to the nanomolar range using a modified biopolymer chitosan based fluorophore	Garg M., Sud D.	11440546	New Journal of Chemistry	46	15	0	0	0	0	0	1	1	0	1	
2022	Impact of jet-production data on the next-to-next-to-leading-order determination of HERAPDF2.0 parton distributions	Andreev V., Arratia M., Aushev V., Baghdasaryan A., Baty A., Begzsuren K., Behnke O., Belousov A., Bertolin A., Bloch I., Boudry V., Brandt G., Brock I., Brook N.H., Brugnera R., Bruni A., Buniatyan A., Bussey P.J., Bystritskaya L., Caldwell A., Campbell A.J., Cantun Avila K.B., Catterall C.D., Cerny K., Chekelian V., Chen Z., Chwastowski J., Ciborowski J., Ciesielski R., Contreras J.G., Cooper-Sarkar A.M., Corradi M., Cunqueiro Mendez L., Currie J., Cvach J., Dainton J.B., Daum K., Dementiev R.K., Deshpande A., Diaconu C., Dusini S., Eckerlin G., Egli S., Elsen E., Favart L., Fedotov A., Feltesse J., Ferrando J., Fleischer M., Fomenko A., Foster B., Gal C., Gallo E.,	14346044	European Physical Journal C	82	3	0	0	0	0	0	0	1	1	0	1























2022	Prediction of angular distortion in austenitic stainless steel welds using finite element analysis	Joshi G., Shahi A.S.	22147853	Materials Today: Proceedings	62	14	0	0	0	0	0	0	0	0	0
2022	A generalized Wigner–Yanase skew information	Kaur Dhanoa R., Sal Moslehian M., Singh M.	3081087	Linear and Multilinear Algebra			0	0	0	0	0	0	0	0	0
2022	Recent ameliorations in membrane based carbon capture technologies	Sood A., Thakur A., Mohan Ahuja S.	22147853	Materials Today: Proceedings	62	12	0	0	0	0	0	0	0	0	0
2022	Effect of dephenolization and pH on functional properties, amino acid profile, and nutritional characteristics of protein isolate from Meghalayan cherry (Prunus nepalensis) kernel	Kashyap P., Singh Riar C., Jindal N.	21906815	Biomass Conversion and Biorefinery			0	0	0	0	0	0	0	0	0
2022	A workload and Machine Categorization-Based Resource Allocation Framework for Load Balancing and Balanced Resource Utilization in the Cloud	Thakur A., Goraya M.S.	19380259	International Journal of Grid and High Performance Computing	14	1	0	0	0	0	0	0	0	0	0
2022	Impact of implementing TPM-based tool cost management approach in Indian manufacturing industry	Gupta P., Vardhan S.	17442370	International Journal of Services and Operations Management	42	2	0	0	0	0	0	0	0	0	0
2022	Heuristic-Based Test Solution for 3D System on Chip	Vohra H., Manna M.S., Kaur I.	23673370	Lecture Notes in Networks and Systems	375		0	0	0	0	0	0	0	0	0
2022	Comparative Analysis of Energy Management Systems in Electric Vehicles	Sharma S.K., Manna M.S.	23673370	Lecture Notes in Networks and Systems	375		0	0	0	0	0	0	0	0	0
2022	Modeling and Optimization of Reaction Parameters for Glycerol Production Using Response Surface Methodology	Srivastava T., Saxena D.C., Sharma R.	23673370	Lecture Notes in Networks and Systems	375		0	0	0	0	0	0	0	0	0
2022	Low-Voltage Low-Power Acquisition System for Portable Detection of Approximated Biomedical Signals	Singh I.P., Manna M.S., Srivastava V., Pandey A.	23673370	Lecture Notes in Networks and Systems	375		0	0	0	0	0	0	0	0	0
2022	Interpretive Psychotherapy of Text Mining Approaches	Dwivedi S.K., Manna M.S., Tripathi R.	23673370	Lecture Notes in Networks and Systems	375		0	0	0	0	0	0	0	0	0
2022	Indirect Current Vector Controlled Three-Level Inverter for Induction Motor Driven Electric Vehicle	Jamwal P.S., Singh S., Jain S.	18761100	Lecture Notes in Electrical Engineering	852		0	0	0	0	0	0	0	0	0
2022	A robust Hermite spline collocation technique to study generalized Burgers-Huxley equation, generalized Burgers-Fisher equation and Modified Burgers' equation	Arora S., Jain R., Kukreja V.K.	24680133	Journal of Ocean Engineering and Science			0	0	0	0	0	2	2	0	2



2022	An Optical Solution for High-Density Data Storage Using Plasmonic Based MZI Nano-Structures	Srujana R., Natarajan T., Hasan M.K., Sharan P., Manna M.S., Islam S.	18684394	Intelligent Systems Reference Library	221		0	0	0	0	0	0	0	0	0
2022	Design and Analysis of Outer Rotor Brushless DC Motor for Robotics Using Ansys Maxwell Software	Hasan M.K., Verma Y., Sharan P., Manna M.S., Islam S.	18684394	Intelligent Systems Reference Library	221		0	0	0	0	0	0	0	0	0
2022	Evolved Gases and Unified Kinetic Model for Low-temperature Thermal Decomposition of Rice Straw Hydrolysis Residue for Possible Value Addition	Roy Ghatak H.	3245853	Periodica Polytechnica Chemical Engineering	66	3	0	0	0	0	0	0	0	0	0
2022	Prediction of Lower and Higher Modes of Vibration for Kirchhoff's Plates Using Transcendental and Polynomial Functions via Semi-analytical Method	Verma Y., Bharti D.	25233920	Journal of Vibration Engineering and Technologies			0	0	0	0	0	0	0	0	0
2022	Dielectric Properties of Soils Affected by Sewage Waste Pollution	Palta P., Kaur P., Mann K.S.	19386737	ECS Transactions	107	1	0	0	0	0	0	0	0	0	0
2022	Supercritical fluid extraction of essential oils from Citrus reticulata peels: optimization and characterization studies	Rajput S., Kaur S., Panesar P.S., Thakur A.	21906815	Biomass Conversion and Biorefinery			0	0	0	0	0	0	0	1	1
2022	Dielectric Properties of Soils of India at Radio and Microwave Frequencies: A Review	Palta P., Pankaj P., Kaur P., Mann K.S.	19386737	ECS Transactions	107	1	0	0	0	0	0	0	0	0	0
2022	Influence of Magnets on Arc Shape and Bead Geometry in Gas Tungsten Arc Welding	Shakya P., Singh K., Arya H.K.	10426914	Materials and Manufacturing Processes			0	0	0	0	0	0	0	0	0
2022	Analysis of wire electrode wear ratio during WEDM of Al-metal matrix composite	Kumar H., Kumar R., Manna A., Kumar A.	22147853	Materials Today: Proceedings	62	14	0	0	0	0	0	0	0	0	0
2022	Structural, electronic, vibrational, thermoelectric and mechanical properties of Li based quaternary Heusler compound LiTiCoSn: A DFT approach	Singh J., Kaur K., Ahmad Khandy S., Goyal M., Dhiman S., Verma S.S.	22147853	Materials Today: Proceedings	57		0	0	0	0	0	1	1	0	1
2022	CFD and experimental study of slurry erosion wear in Hydro-machinery	Sharma M., Kumar Goyal D., Kaushal G., Kanth Grover N., Bansal A., Goyal K.	22147853	Materials Today: Proceedings	62	14	0	0	0	0	0	0	0	0	0
2022	Lower index liquid chemical detection by using photonic crystal fiber sensor	kumar S., kumar D.	22147853	Materials Today: Proceedings	64		0	0	0	0	0	0	0	0	0
2022	Hydrothermal Treatment of Pretreated Castor Residue for the Production of Bio-oil	Kaur R., Gera P., Jha M.K., Bhaskar T.	19391234	Bioenergy Research			0	0	0	0	0	2	2	0	2







2022	Intensification of Polyphenols Extraction from Sohiong ( <i>Prunus nepalensis</i> ) using Microwave-Assisted Extraction	Kashyap P., Riar C.S., Jindal N.	9707077	Asian Journal of Chemistry	34	1	0	0	0	0	0	0	0	0	0	0
2022	Synergistic effect of microwave heating and hydrothermal treatment on cyanogenic glycosides and bioactive compounds of plum ( <i>Prunus domestica</i> L.) kernels: An analytical approach	Sheikh M.A., Saini C.S., Sharma H.K.	26659271	Current Research in Food Science	5		0	0	0	0	0	4	4	0	4	
2022	Design of novel Penta core PCF SPR RI sensor based on fusion of IMD and EMD techniques for analysis of water and transformer oil	Kumar Shakya A., Singh S.	2632241	Measurement: Journal of the International Measurement Confederation	188		0	0	0	0	0	6	6	0	6	
2022	Gluten Detection in Foods	Munshi M., Deb S.	15710297	Food Engineering Series			0	0	0	0	0	0	0	0	0	0
2022	A robust drug recall supply chain management system using hyperledger blockchain ecosystem	Agrawal D., Minocha S., Namasudra S., Gandomi A.H.	104825	Computers in Biology and Medicine	140		0	0	0	0	0	4	4	1	5	
2022	VMD based trigonometric entropy measure: A simple and effective tool for dynamic degradation monitoring of rolling element bearing	Kumar A., Gandhi C.P., Vashishtha G., Kundu P., Tang H., Glowacz A., Shukla R.K., Xiang J.	9570233	Measurement Science and Technology	33	1	0	0	0	0	0	19	19	2	21	
2022	Autocorrelation energy and aquila optimizer for MED filtering of sound signal to detect bearing defect in Francis turbine	Vashishtha G., Kumar R.	9570233	Measurement Science and Technology	33	1	0	0	0	0	0	18	18	0	18	
2022	Harvesting Electric Energy from Waste Vibrations of an Electric Motor Using the Piezoelectric Principle	Yadav N., Kumar R.	21954356	Lecture Notes in Mechanical Engineering			0	0	0	0	0	0	0	0	0	0
2022	Post-quantum lightweight identity-based two-party authenticated key exchange protocol for Internet of Vehicles with probable security	Gupta D.S., Ray S., Singh T., Kumari M.	1403664	Computer Communications	181		0	0	0	0	0	4	4	0	4	
2022	An amended grey wolf optimization with mutation strategy to diagnose bucket defects in Pelton wheel	Vashishtha G., Kumar R.	2632241	Measurement: Journal of the International Measurement Confederation	187		0	0	0	0	0	19	19	0	19	



2022	Effect of extraction methods and simulated in vitro gastrointestinal digestion on phenolic compound profile, bio-accessibility, and antioxidant activity of Meghalayan cherry ( <i>Prunus nepalensis</i> ) pomace extracts	Kashyap P., Riar C.S., Jindal N.	236438	LWT	153	0	0	0	0	0	7	7	2	9
2022	E-FFTF: An Extended Framework for Flexible Fault Tolerance in Cloud	Hasan M., Goraya M.S., Garg T.	23673370	Lecture Notes in Networks and Systems	244	0	0	0	0	2	0	2	0	2
2022	Pelton Wheel Bucket Fault Diagnosis Using Improved Shannon Entropy and Expectation Maximization Principal Component Analysis	Vashishtha G., Kumar R.	25233920	Journal of Vibration Engineering and Technologies	10	1	0	0	0	0	11	11	1	12
2022	Electrochemical and photocatalytic degradation of methylene blue by using rGO/AgNWs nanocomposite synthesized by electroplating on stainless steel	Singh J., Dhaliwal A.S.	223697	Journal of Physics and Chemistry of Solids	160	0	0	0	0	0	12	12	0	12
2022	Two different temporal domain integration schemes combined with compact finite difference method to solve modified Burgers' equation	Kaur R., Shallu, Kukreja V.K., Parumasur N., Singh P.	20904479	Ain Shams Engineering Journal	13	1	0	0	0	1	1	2	0	2
2022	Robust septic Hermite collocation technique for singularly perturbed generalized Hodgkin–Huxley equation	Kumari A., Kukreja V.K.	207160	International Journal of Computer Mathematics	99	5	0	0	0	0	2	2	0	2
2022	Adaptive sensitive frequency band selection for VMD to identify defective components of an axial piston pump	KUMAR A., GANDHI C.P., TANG H., VASHISHTHA G., KUMAR R., ZHOU Y., XIANG J.	10009361	Chinese Journal of Aeronautics	35	1	0	0	0	4	14	18	0	18
2022	Multi-Objective Profit Based Commitment and Dispatch of Cogeneration System Using Decision Making Strategy Approach	Anand H., Narang N., Dhillon J.S.	2564602	IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)	39	3	0	0	0	0	3	3	0	3
2022	Modified Krill Herd Algorithm for constrained economic load dispatch problem	Kaur A., Singh L., Dhillon J.S.	1430750	International Journal of Ambient Energy	43	1	0	0	0	1	1	2	0	2
2022	Determinants of some special matrices	Kapil Y., Singh M.	3081087	Linear and Multilinear Algebra	70	16	0	0	0	0	0	0	0	0
2022	Development of a Modified Hilbert Curve Fractal Antenna for Multiband Applications	Kumar A., Pharwaha A.P.S.	3772063	IETE Journal of Research	68	5	0	0	0	1	3	4	8	8



2021	Azimuthal correlations in photoproduction and deep inelastic ep scattering at HERA	Aushev V., Behnke O., Bertolin A., Bloch I., Brock I., Brook N.H., Brugnera R., Bruni A., Bussey P.J., Caldwell A., Catterall C.D., Chwastowski J., Ciborowski J., Ciesielski R., Cooper-Sarkar A.M., Corradi M., Dementiev R.K., Dusini S., Ferrando J., Floerchinger S., Foster B., Gallo E., Gangadharan D., Garfagnini A., Geiser A., Gladilin L.K., Golubkov Y.A., Grzelak G., Gwenlan C., Hochman D., Jomhari N.Z., Kadenko I., Karshon U., Kaur P., Klanner R., Klein U., Korzhavina I.A., Kovalchuk N., Kuze M., Levchenko B.B., Levy A., Lohr B., Lohrmann E., Longhin A., Lorkowski F., Lukina O.Y., Makarenko I., Malka J., Masciocchi S., Nagano K., Nam J.D., Onderwaater J., Onishchuk Y., Paul E.,	10298479	Journal of High Energy Physics	2021	12	0	0	0	0	0	0	0	0	0
2021	Sdswn—a secure approach for a hop-based localization algorithm using a digital signature in the wireless sensor network	Prashar D., Rashid M., Siddiqui S.T., Kumar D., Nagpal A., Alghamdi A.S., Alshamrani S.S.	20799292	Electronics (Switzerland)	10	24	0	0	0	0	0	2	2	1	3
2021	Diosgenin a steroidal compound: An emerging way to cancer management	Arya P., Kumar P.	1458884	Journal of Food Biochemistry	45	12	0	0	0	0	0	4	4	0	4
2021	Optimization of end milling parameters for rough and finish machining of Al-4032/3%SiC metal matrix composite	Saini P., Singh P.K.	26318695	Engineering Research Express	3	4	0	0	0	0	0	4	4	0	4
2021	Modified ant colony optimization based PID controller design for coupled tank system	Chauhan S., Singh B., Singh M.	26318695	Engineering Research Express	3	4	0	0	0	0	0	7	7	0	7
2021	Effect of ultrasound-assisted hydrodistillation on extraction kinetics, chemical composition, and antimicrobial activity of Citrus jambhiri peel essential oil	Priyadarshi S., Kashyap P., Gadhave R.K., Jindal N.	1458876	Journal of Food Process Engineering	44	12	0	0	0	0	0	1	1	0	1

2021	Recent insights into carrageenan-based bio-nanocomposite polymers in food applications: A review	Aga M.B., Dar A.H., Nayik G.A., Panesar P.S., Allai F., Khan S.A., Shams R., Kennedy J.F., Altaf A.	1418130	International Journal of Biological Macromolecules	192		0	0	0	0	0	12	12	0	12
2021	340 Gb/s all-optical NOT, XOR, XNOR, A <sup>+</sup> B, AB <sup>+</sup> , OR and NOR logic gates based on cross-gain modulation in semiconductor optical amplifiers	Sharma V., Lovkesh, Singh S.	304026	Optik	247		0	0	0	0	0	3	3	0	3
2021	Hybrid SFO and TLBO optimization for biodegradable classification	Sharma S.R., Singh B., Kaur M.	14327643	Soft Computing	25	24	0	0	0	0	0	2	2	0	2
2021	Studies on standardization of alcohol aided starch extraction process from <i>Chenopodium album</i> and its characterization	Singh R., Singh S., Saxena D.C.	21934126	Journal of Food Measurement and Characterization	15	6	0	0	0	0	0	5	5	0	5
2021	Evaluating comparative $\beta$ -glucan production aptitude of <i>Saccharomyces cerevisiae</i> , <i>Aspergillus oryzae</i> , <i>Xanthomonas campestris</i> , and <i>Bacillus natto</i>	Utama G.L., Dio C., Sulistiyo J., Yee Chye F., Lembong E., Cahyana Y., Kumar Verma D., Thakur M., Patel A.R., Singh S.	1319562X	Saudi Journal of Biological Sciences	28	12	0	0	0	0	1	2	3	0	3
2021	Soil moisture sensor for agricultural applications inspired from state of art study of surfaces scattering models & semi-empirical soil moisture models	Shakya A.K., Ramola A., Kandwal A., Vidyarthi A.	1658077X	Journal of the Saudi Society of Agricultural Sciences	20	8	0	0	0	0	0	3	3	0	3
2021	Computational and experimental studies on the effect of conformational flexibility on bonding and photophysics of a triaza-macrocyclic tripod	Verma R., Baral M., Kanungo B.K.	9230750	Journal of Inclusion Phenomena and Macrocyclic Chemistry	101	3-4	0	0	0	0	0	0	0	0	0
2021	Synthesis, solution studies and DFT investigation of a tripodal ligand with 3-hydroxypyran-4-one scaffold	Sharma S., Baral M., Dash D., Kanungo B.K.	9230750	Journal of Inclusion Phenomena and Macrocyclic Chemistry	101	3-4	0	0	0	0	0	1	1	0	1
2021	Plasmonic Effects of Al Nanoparticles Embedded and Non-embedded in Thin Film GaAs Solar Cells with Ta2O5 Antireflective Coating	Singh G., Sekhon J.S., Verma S.S.	15571955	Plasmonics	16	6	0	0	0	0	1	7	8	0	8
2021	Hydrogels: Synthesis, Classification, Properties and Potential Applications—A Brief Review	Kaith B.S., Singh A., Sharma A.K., Sud D.	15662543	Journal of Polymers and the Environment	29	12	0	0	0	0	0	13	13	0	13
2021	AIEMLA: artificial intelligence enabled machine learning approach for routing attacks on internet of things	Sharma S., Verma V.K.	9208542	Journal of Supercomputing	77	12	0	0	0	0	0	9	9	0	9





2021	Exploring the Issues in Policy Deployment Using SAP-LAP and eIRP Approaches: An Empirical Case Study	Plackal D., Kumar S., Gupta P.	24557749	International Journal of Mathematical, Engineering and Management Sciences	6	5	0	0	0	0	0	1	1	0	1
2021	Convergence analysis and dynamical nature of an efficient iterative method in banach spaces	Kumar D., Kumar S., Sharma J.R., Jantschi L.	22277390	Mathematics	9	19	0	0	0	0	0	0	0	0	0
2021	A comprehensive phytochemical, ethnomedicinal, pharmacological ecology and conservation status of Picrorhiza kurroa Royle ex Benth.: An endangered Himalayan medicinal plant	Bhardwaj A., Sharma A., Cooper R., Bhardwaj G., Gaba J., Mutreja V., Chauhan A.	13595113	Process Biochemistry	109		0	0	0	0	0	3	3	0	3
2021	Burst: real-time events burst detection in social text stream	Singh T., Kumari M.	9208542	Journal of Supercomputing	77	10	0	0	0	0	0	1	1	0	1
2021	Enzymatic processing of Citrus reticulata (Kinnow) pomace using naringinase and its valorization through preparation of nutritionally enriched pasta	Singla G., Panesar P.S., Sangwan R.S., Krishania M.	221155	Journal of Food Science and Technology	58	10	0	0	0	0	2	3	5	0	5
2021	An educational tool based on finite element method for electromagnetic study	Prasad N., Jain S., Gupta S.	207209	International Journal of Electrical Engineering and Education	58	4	0	0	0	0	2	1	3	0	3
2021	Valuation of Citrus reticulata (kinnow) peel for the extraction of lutein using ultrasonication technique	Saini A., Panesar P.S., Bera M.B.	21906815	Biomass Conversion and Biorefinery	11	5	0	0	0	1	6	7	14	0	14
2021	Therapeutic Potential of Nutraceuticals and Dietary Supplements in the Prevention of Viral Diseases: A Review	Singh S., Kola P., Kaur D., Singla G., Mishra V., Panesar P.S., Mallikarjunan K., Krishania M.	2296861X	Frontiers in Nutrition	8		0	0	0	0	0	8	8	0	8
2021	Photocatalytic degradation of dye by a copper(II) Schiff base metal complex under visible light irradiation	Kumar H., Kaur J.	0094243X	AIP Conference Proceedings	2369		0	0	0	0	0	1	1	0	1
2021	Prioritizing key business actions of an indian automobile industry using efficient interpretive ranking process (eirp)	Kumar S., Gupta P.	20808208	Management and Production Engineering Review	12	3	0	0	0	0	0	0	0	0	0
2021	Chaotic approach for improving global optimization in Yellow Saddle Goatfish	Kashyap D., Singh B., Kaur M.	25778196	Engineering Reports	3	9	0	0	0	0	0	3	3	0	3
2021	A novel hybrid MCDM approach followed by fuzzy DEMATEL-ANP-TOPSIS to evaluate Low Carbon Suppliers	Gupta V., Jayant A.	21890420	Evergreen	8	3	0	0	0	0	0	3	3	0	3

2021	Centrifugal pump impeller defect identification by the improved adaptive variational mode decomposition through vibration signals	Vashishtha G., Kumar R.	26318695	Engineering Research Express	3	3	0	0	0	0	0	9	9	1	10
2021	Process parameter optimization and characterization for an edible film: Flaxseed concern	Bangar S.P., Singh A., Trif M., Kumar M., Kumar P., Kaur R., Kaur N.	20796412	Coatings	11	9	0	0	0	0	0	1	1	0	1
2021	Development and characterization of fenugreek protein-based edible film	Kumari N., Bangar S.P., Petru M., Ilyas R.A., Singh A., Kumar P.	23048158	Foods	10	9	0	0	0	0	7	7	14	1	15
2021	Total ionizing dose hardness analysis of transistors in commercial 180 nm CMOS technology	Kumar M., Ubhi J.S., Basra S., Chawla A., Jatana H.S.	262692	Microelectronics Journal	115		0	0	0	0	0	0	0	0	0
2021	Design and investigation of a dedicated PCF SPR biosensor for CANCER exposure employing external sensing	Ramola A., Marwaha A., Singh S.	9478396	Applied Physics A: Materials Science and Processing	127	9	0	0	0	0	0	19	19	0	19
2021	Tacho-less sparse CNN to detect defects in rotor-bearing systems at varying speed	Kumar A., Vashishtha G., Gandhi C.P., Tang H., Xiang J.	9521976	Engineering Applications of Artificial Intelligence	104		0	0	0	0	2	16	18	1	19
2021	Correction to: Pretreated Indian Gooseberry ( <i>Emblica officinalis</i> ) Segments: Kinetic, Quality and Microstructural Parameters (Journal of The Institution of Engineers (India): Series A, (2021), 102, 2, (523-534), 10.1007/s40030-021-00538-9)	Tewari R., Kumar V., Sharma H.K.	22502149	Journal of The Institution of Engineers (India): Series A	102	3	0	0	0	0	0	0	0	0	0
2021	Effect of lysozyme infusion, high-intensity ultrasound and controlled thermal treatment on the physicochemical and functional characteristics of <i>Chenopodium album</i> protein isolate based active packaging film	Mir N.A., Riar C.S., Singh S.	22142894	Food Packaging and Shelf Life	29		0	0	0	0	1	0	1	0	1
2021	Analysis of RLW and MRLW equation using an improvised collocation technique with SSP-RK43 scheme	Shallu, Kukreja V.K.	1652125	Wave Motion	105		0	0	0	0	1	4	5	0	5
2021	Demonstration of optical frequency comb generation using four-wave mixing in highly nonlinear fiber	Sharma V., Singh S., Lovkesh, Anashkina E.A., Andrianov A.V.	304026	Optik	241		0	0	0	0	5	4	9	0	9
2021	Structural, electronic, mechanical, and thermoelectric properties of LiTiCoX (X = Si, Ge) compounds	Singh J., Kaur K., Khandy S.A., Dhiman S., Goyal M., Verma S.S.	0363907X	International Journal of Energy Research	45	11	0	0	0	0	1	9	10	0	10







2021	Phonon dispersion and density of States of Fe <sub>2</sub> SiO <sub>4</sub> in spinel phase	Kaur H., Sinha M.M.	0094243X	AIP Conference Proceedings	2352		0	0	0	0	0	0	0	0	0
2021	Theoretical calculation of absorption properties of NiFe@Au core-shell nanoparticles	Bhatia P., Verma S.S., Sinha M.M.	0094243X	AIP Conference Proceedings	2352		0	0	0	0	0	1	1	0	1
2021	Structural and surface morphological studies of WSe <sub>2</sub> -D material	Bansal K., Kumar P., Dhaliwal A.S.	0094243X	AIP Conference Proceedings	2352		0	0	0	0	0	1	1	0	1
2021	Theoretical investigation of electronic and vibrational properties of topological semimetal LaAuPb	Goyal M., Sinha M.M.	0094243X	AIP Conference Proceedings	2352		0	0	0	0	0	1	1	0	1
2021	Investigation of gamma ray and fast neutron shielding ability of some waste glasses for nuclear waste storage facilities	Sidhu B.S., Dhaliwal A.S., Kahlon K.S.	0094243X	AIP Conference Proceedings	2352		0	0	0	0	0	1	1	0	1
2021	Plasmonic response of liquid metal nanoparticles with gold coatings	Bhardwaj A., Verma S.S.	0094243X	AIP Conference Proceedings	2352		0	0	0	0	0	0	0	0	0
2021	Photocatalytic degradation of naphthol blue black dye by Schiff base metal complex under UV light irradiation	Kumar H., Ekta	0094243X	AIP Conference Proceedings	2352		0	0	0	0	0	0	0	0	0
2021	A DFT based computation of structural, elastic and mechanical properties of VCo <sub>2</sub> Al	Kaur T., Sinha M.M.	0094243X	AIP Conference Proceedings	2352		0	0	0	0	0	0	0	0	0
2021	Formic acid pulping process of rice straw for manufacturing of cellulosic fibers with silica	Sinha A.S.K.	7341415	Tappi Journal	20	8	0	0	0	0	0	1	1	0	1
2021	Impact analysis of different trade-off parameters on coherent sensing applications of single-mode self-mixing optical feedback interferometry	Bhardwaj V.K., Maini S.	3068919	Optical and Quantum Electronics	53	8	0	0	0	0	0	0	0	0	0
2021	Wideband SIW Self-Diplexing antenna with simultaneous control of bandwidth and band position	Priya S., Kumar K., Dwari S., Kanti Mandal M.	14348411	AEU - International Journal of Electronics and Communications	138		0	0	0	0	0	4	4	0	4
2021	An Efficient Collocation Algorithm with SSP-RK43 Scheme to Solve Rosenau-KdV-RLW Equation	Shallu, Kukreja V.K.	23495103	International Journal of Applied and Computational Mathematics	7	4	0	0	0	0	0	0	0	0	0
2021	Review on design and development of cryogenic machining setups for heat resistant alloys and composites	Khanna N., Agrawal C., Pimenov D.Y., Singla A.K., Machado A.R., da Silva L.R.R., Gupta M.K., Sarikaya M., Krolczyk G.M.	15266125	Journal of Manufacturing Processes	68		0	0	0	0	14	50	64	0	64

2021	An Improved Extrapolated Collocation Technique for Singularly Perturbed Problems using Cubic B-Spline Functions	Shallu, Kumari A., Kukreja V.K.	16605446	Mediterranean Journal of Mathematics	18	4	0	0	0	0	0	1	1	2	0	2
2021	Erosion behavior of laser clad steel under accelerated slurry erosion testing	Singh S., Kumar P., Goyal D.K., Bansal A.	2634368	International Journal of Refractory Metals and Hard Materials	98		0	0	0	0	0	0	8	8	0	8
2021	A synergy of binary differential evolution and binary local search optimizer to solve multi-objective profit based unit commitment problem	Dhaliwal J.S., Dhillon J.S.	15684946	Applied Soft Computing	107		0	0	0	0	0	1	6	7	0	7
2021	Tribological performance based machinability investigations in cryogenic cooling assisted turning of $\alpha$ - $\beta$ titanium Alloy	Gupta M.K., Song Q., Liu Z., Sarikaya M., Mia M., Jamil M., Singla A.K., Bansal A., Pimenov D.Y., Kuntoglu M.	0301679X	Tribology International	160		0	0	0	0	0	10	19	29	0	29
2021	Electrochemical corrosion behavior and microstructural characteristics of electron beam welded UNS S32205 duplex stainless steel	Singh J., Shahi A.S.	9475117	Materials and Corrosion	72	8	0	0	0	0	0	1	4	5	0	5
2021	Influences of Latent Heat on Temperature Field, Weld Bead Dimensions and Melting Efficiency During Welding Simulation	Singh B., Singhal P., Saxena K.K., Saxena R.K.	15989623	Metals and Materials International	27	8	0	0	0	0	0	2	3	5	0	5
2021	Influence of thickness of hydrophobic polytetrafluoroethylene (PTFE) coatings on cavitation erosion of hydro-machinery steel SS410	Bansal A., Singh J., Singh H., Goyal D.K.	431648	Wear	477		0	0	0	0	0	1	4	5	0	5
2021	Amphiphilic chitosan/acrylic acid/thiourea based semi-interpenetrating hydrogel: Solvothermal synthesis and evaluation for controlled release of organophosphate pesticide, triazophos	Bhullar N., Rani S., Kumari K., Sud D.	218995	Journal of Applied Polymer Science	138	25	0	0	0	0	0	0	3	3	1	4
2021	Design analysis of multi-wavelength conversion based on XAM effect of EAM for high speed optical transmission	Kaur T., Singh S., Lovkesh, Anashkina E.A., Andrianov A.V.	18426573	Optoelectronics and Advanced Materials, Rapid Communications	15	7-8	0	0	0	0	0	0	0	0	0	0
2021	Optimization and development of ready to eat chocolate coated roasted flaked rice as instant breakfast food	Kumar S., Baniwal P., Nayik G.A., Prasad K., Khan K.A., Ghramh H.A., Kumar H., Karabagias I.K.	23048158	Foods	10	7	0	0	0	0	0	1	2	3	0	3

2021	Sparse transfer learning for identifying rotor and gear defects in the mechanical machinery	Kumar A., Vashishtha G., Gandhi C.P., Tang H., Xiang J.	2632241	Measurement: Journal of the International Measurement Confederation	179		0	0	0	0	1	18	19	1	20
2021	Recent approaches for enhanced production of microbial polyhydroxybutyrate: Preparation of biocomposites and applications	Anjana, Raturi G., Shree S., Sharma A., Panesar P.S., Goswami S.	1418130	International Journal of Biological Macromolecules	182		0	0	0	0	0	5	5	0	5
2021	Bearing defect identification via evolutionary algorithm with adaptive wavelet mutation strategy	Chauhan S., Singh M., Kumar Aggarwal A.	2632241	Measurement: Journal of the International Measurement Confederation	179		0	0	0	0	1	15	16	1	17
2021	Optical absorption analysis of core-shell type Ni@Ag/Au & NiFe@Ag/Au magneto-plasmonic nanostructures	Bhatia P., Verma S.S., Sinha M.M.	224073	Journal of Quantitative Spectroscopy and Radiative Transfer	268		0	0	0	0	1	4	5	0	5
2021	Cluster Head Selection in Heterogeneous Wireless Sensor Network Using a New Evolutionary Algorithm	Chauhan S., Singh M., Aggarwal A.K.	9296212	Wireless Personal Communications	119	1	0	0	0	0	4	16	20	0	20
2021	Design of a Two-Channel Quadrature Mirror Filter Bank Through a Diversity-Driven Multi-Parent Evolutionary Algorithm	Chauhan S., Singh M., Aggarwal A.K.	0278081X	Circuits, Systems, and Signal Processing	40	7	0	0	0	0	1	11	12	0	12
2021	Mutation-based Arithmetic Optimization Algorithm for Global Optimization	Chauhan S., Vashishtha G.		2021 International Conference on Intelligent Technologies, CONIT 2021			0	0	0	0	1	9	10	0	10
2021	Synthesis of Metal Complex for Photocatalytic Degradation of Dyes under Visible Light Irradiation	Kumar H., Kaur A.	17551307	IOP Conference Series: Earth and Environmental Science	785	1	0	0	0	0	0	1	1	0	1
2021	Synthesis and Application of (S)-Nicotine-Based Chiral Ionic Liquids in Enantiomeric Recognition by Using Fluorescence Spectroscopy	Kaur N., Rahim J.U., Rai R., Chopra H.K.	23656549	ChemistrySelect	6	23	0	0	0	0	0	1	1	0	1
2021	Chemistry of oxaphosphirane complexes	Volk N., Malik P., Alcaraz A.G., Espinosa Ferao A., Streubel R.	108545	Coordination Chemistry Reviews	437		0	0	0	0	2	1	3	0	3
2021	Energy harvesting from low-frequency sinusoidal vibrations using diaphragm type piezoelectric element	Yadav N., Kumar R.	9714588	Indian Journal of Engineering and Materials Sciences	28	3	0	0	0	0	0	1	1	0	1

2021	Analyzing the effects of hydrothermal treatment on antinutritional factor content of plum kernel grits by using response surface methodology	Sheikh M.A., Saini C.S., Sharma H.K.	27725022	Applied Food Research	1	1	0	0	0	0	0	7	7	0	7
2021	Quality characteristics, fatty acid profile and glycemic index of extrusion processed snacks enriched with the multicomponent mixture of cereals and legumes	Wani S.A., Ganie N.A., Kumar P.	26396181	Legume Science	3	2	0	0	0	0	0	3	3	0	3
2021	Reinforcement learning-based fuzzy geocast routing protocol for opportunistic networks	Khalid K., Woungang I., Dhurandher S.K., Singh J.	25426605	Internet of Things (Netherlands)	14		0	0	0	0	1	3	4	0	4
2021	Optical frequency comb generation by the exploitation of gain modulation phenomenon in semiconductor optical amplifier	Sharma V., Singh S., Lovkesh L., Anashkina E.A., Andrianov A.V.	913286	Optical Engineering	60	6	0	0	0	0	3	2	5	0	5
2021	An Empirical Study on Enhancing Product Quality and Customer Satisfaction Using Quality Assurance Approach in an Indian Manufacturing Industry	Mittal A., Gupta P.	24557749	International Journal of Mathematical, Engineering and Management Sciences	6	3	0	0	0	0	0	0	0	0	0
2021	Unmasking the many faces of giloy ( <i>Tinospora cordifolia</i> L.): A fresh look on its phytochemical and medicinal properties	Verma D.K., Kimmy G., Kumar P., El-Shazly M.	13816128	Current Pharmaceutical Design	27	22	0	0	0	0	2	3	5	0	5
2021	Fruit characteristics, peel nutritional compositions, and their relationships with mango peel pectin quality	Wongkaew M., Kittiwachana S., Phuangsaijai N., Tinpovong B., Tiyyon C., Pusadee T., Chuttong B., Sringarm K., Bhat F.M., Sommano S.R., Cheewangkoon R.	22237747	Plants	10	6	0	0	0	0	2	7	9	0	9
2021	Pretreated Indian Gooseberry ( <i>Emblica officinalis</i> ) Segments: Kinetic, Quality and Microstructural Parameters	Tewari R., Kumar V., Sharma H.K.	22502149	Journal of The Institution of Engineers (India): Series A	102	2	0	0	0	0	0	2	2	0	2
2021	Composition, characteristics and health promising prospects of black wheat: A review	Dhua S., Kumar K., Kumar Y., Singh L., Sharanagat V.S.	9242244	Trends in Food Science and Technology	112		0	0	0	0	2	7	9	1	10
2021	Comparison of ultrasound and microwave assisted extraction of diosgenin from <i>Trigonella foenum-graceum</i> seed	Arya P., Kumar P.	13504177	Ultrasonics Sonochemistry	74		0	0	0	0	1	6	7	0	7

2021	Bearing defect identification by swarm decomposition considering permutation entropy measure and opposition-based slime mould algorithm	Vashishtha G., Chauhan S., Singh M., Kumar R.	2632241	Measurement: Journal of the International Measurement Confederation	178		0	0	0	0	5	27	32	1	33
2021	Investigations of mechanical and thermoelectric properties of 'AINiP' novel half-Heusler alloy	Gupta Y., Sinha M.M., Verma S.S.	2540584	Materials Chemistry and Physics	265		0	0	0	0	3	8	11	0	11
2021	Millet starch: A review	Mahajan P., Bera M.B., Panesar P.S., Chauhan A.	1418130	International Journal of Biological Macromolecules	180		0	0	0	0	4	9	13	2	15
2021	A review of the composition and toxicology of fructans, and their applications in foods and health	Verma D.K., Patel A.R., Thakur M., Singh S., Tripathy S., Srivastav P.P., Chavez-Gonzalez M.L., Gupta A.K., Aguilar C.N.	8891575	Journal of Food Composition and Analysis	99		0	0	0	0	1	8	9	0	9
2021	Effect of spin-orbital coupling on the electronic, mechanical, thermoelectric, and vibrational properties of XPtBi (X = Sc and Y): A first-principles study	Goyal M., Sinha M.M.	223697	Journal of Physics and Chemistry of Solids	153		0	0	0	0	1	4	5	1	6
2021	Theoretical study of thermodynamical and thermoelectric properties of novel half-Heusler alloys AlNiAs and AlNiSb	Gupta Y., Sinha M.M., Verma S.S.	23524928	Materials Today Communications	27		0	0	0	0	2	7	9	0	9
2021	An Efficient Human Identification Through Iris Recognition System	Garg M., Arora A., Gupta S.	19398018	Journal of Signal Processing Systems	93	6	0	0	0	0	2	5	7	0	7
2021	Classification of Parkinson disease using binary Rao optimization algorithms	Sharma S.R., Singh B., Kaur M.	2664720	Expert Systems	38	4	0	0	0	0	3	7	10	0	10
2021	Roasting of black rice (Oryza Sativa L.): change in physico-functional, thermo-pasting, antioxidant and anthocyanin content	Arora S., Virdi I.K., Sharanagat V.S., Kheto A., Dhua S., Suhag R., Kumar R., Kumar Y., Patel A.	21934126	Journal of Food Measurement and Characterization	15	3	0	0	0	0	2	3	5	1	6
2021	An improved particle swarm optimization using simplex-based deterministic approach for economic-emission power dispatch problem	Chopra N., Brar Y.S., Dhillon J.S.	9487921	Electrical Engineering	103	3	0	0	0	0	4	3	7	0	7
2021	Energy and resource efficient workflow scheduling in a virtualized cloud environment	Garg N., Singh D., Goraya M.S.	13867857	Cluster Computing	24	2	0	0	0	0	3	19	22	0	22
2021	Encapsulated Food Products as a Strategy to Strengthen Immunity Against COVID-19	Tripathy S., Verma D.K., Thakur M., Patel A.R., Srivastav P.P., Singh S., Chavez-Gonzalez M.L., Aguilar C.N.	2296861X	Frontiers in Nutrition	8		0	0	0	0	2	5	7	0	7

2021	PH dependence leaching characteristics of bottom ash	Kumar S., Kumar S., Singh P., Singh V., Singh H., Singh G.	0094243X	AIP Conference Proceedings	2341		0	0	0	0	0	0	0	0	0
2021	N-heterocyclic carbene complexes in ring opening polymerization	Jain I., Malik P.	143057	European Polymer Journal	150		0	0	0	0	3	3	6	0	6
2021	Deadline Aware Energy-Efficient Task Scheduling Model for a Virtualized Server	Garg N., Singh D., Singh Goraya M.	2662995X	SN Computer Science	2	3	0	0	0	0	0	1	1	0	1
2021	Role of Operating Process Parameters on Stability Performance of Green Emulsion Liquid Membrane Based on Rice Bran Oil	Anil Kumar, Thakur A., Panesar P.S.	405795	Theoretical Foundations of Chemical Engineering	55	3	0	0	0	0	0	2	2	0	2
2021	Bianchi type-I cosmological model in Sáez-Ballester theory with variable deceleration parameter	Mishra R.K., Dua H.	0004640X	Astrophysics and Space Science	366	5	0	0	0	0	0	2	2	0	2
2021	Effect of joint design on residual stresses in AISI-304 stainless steel weldment - a numerical study	Jasra Y., Singhal S., Saxena R.K.	1738494X	Journal of Mechanical Science and Technology	35	5	0	0	0	0	0	0	0	0	0
2021	Diagnosis of an incipient defect in a worm gearbox using minimum entropy deconvolution and local cepstrum	Kumar S., Kumar R.	9570233	Measurement Science and Technology	32	5	0	0	0	0	0	2	2	1	3
2021	Recycling of steel slag as a flux for submerged arc welding and its effects on chemistry and performance of welds	Saini S., Singh K.	2683768	International Journal of Advanced Manufacturing Technology	114	3-4	0	0	0	0	1	6	7	0	7
2021	Unraveling the scientific perspectives of citrus by-products utilization: Progress towards circular economy	Panwar D., Saini A., Panesar P.S., Chopra H.K.	9242244	Trends in Food Science and Technology	111		0	0	0	0	6	22	28	1	29
2021	Bernoulli wavelet method for numerical solution of anomalous infiltration and diffusion modeling by nonlinear fractional differential equations of variable order	Chouhan D., Mishra V., Srivastava H.M.	25900374	Results in Applied Mathematics	10		0	0	0	0	3	10	13	0	13
2021	Revealing the trend of structural, electronic, mechanical and vibrational properties in Co <sub>2</sub> VX (X= Si, Ge, Sn)	Kaur T., Sinha M.M.	224596	Journal of Solid State Chemistry	297		0	0	0	0	0	2	2	0	2
2021	Security explorations for routing attacks in low power networks on internet of things	Sharma S., Verma V.K.	9208542	Journal of Supercomputing	77	5	0	0	0	0	1	12	13	0	13



2021	Effect of Probe Ultrasonication, Microwave and Sunlight on Biosynthesis, Bioactivity and Structural Morphology of Punica granatum Peel's Polyphenols-Based Silver Nanoconjugates	Foujdar R., Chopra H.K., Bera M.B., Chauhan A.K., Mahajan P.	18772641	Waste and Biomass Valorization	12	5	0	0	0	0	0	3	3	0	3
2021	A Family of Fifth-Order Iterative Methods for Finding Multiple Roots of Nonlinear Equations	Sharma J.R., Arora H.	19954239	Numerical Analysis and Applications	14	2	0	0	0	0	2	0	2	0	2
2021	Classification of code-mixed bilingual phonetic text using sentiment analysis	Singh S.K., Sachan M.K.	15526283	International Journal on Semantic Web and Information Systems	17	2	0	0	0	0	2	5	7	0	7
2021	Optimization of Carotenoid Pigment Extraction from Epicoccum nigrum Fermented Wheat Bran	Kaur S., Panesar P.S., Gurumayum S., Rasane P., Kumar V.	15509087	Industrial Biotechnology	17	2	0	0	0	0	0	1	1	0	1
2021	Improvement in the functional properties of quinoa (Chenopodium quinoa) protein isolates after the application of controlled heat-treatment: Effect on structural properties	Mir N.A., Riar C.S., Singh S.	22133291	Food Structure	28		0	0	0	0	1	13	14	1	15
2021	Development of microstrip antenna for satellite application at Ku/Ka band	Al-Janabi F., Singh M.J., Pharwaha A.P.S.	17962021	Journal of Communications	16	4	0	0	0	0	0	7	7	0	7
2021	Correction to: Investigating friction spin welding of thermoplastics in shear joint configuration (SN Applied Sciences, (2021), 3, 2, (178), 10.1007/s42452-021-04217-z)	Bindal T., Saxena R.K., Pandey S.	25233971	SN Applied Sciences	3	4	0	0	0	0	0	0	0	0	0
2021	Selective laser melting of Ti6Al4V alloy: Process parameters, defects and post-treatments	Singla A.K., Banerjee M., Sharma A., Singh J., Bansal A., Gupta M.K., Khanna N., Shahi A.S., Goyal D.K.	15266125	Journal of Manufacturing Processes	64		0	0	0	0	13	55	68	1	69
2021	An excellent numerical technique for multiple roots	Sharma J.R., Kumar S.	3784754	Mathematics and Computers in Simulation	182		0	0	0	0	0	2	2	0	2
2021	Encapsulation of functional ingredients in lipidic nanocarriers and antimicrobial applications: a review	Saini A., Panwar D., Panesar P.S., Bera M.B.	16103653	Environmental Chemistry Letters	19	2	0	0	0	0	6	6	12	0	12
2021	A comparative analysis of prominently used MCDM methods in cloud environment	Neeraj, Goraya M.S., Singh D.	9208542	Journal of Supercomputing	77	4	0	0	0	0	3	6	9	0	9

2021	A solution to statistical and multidisciplinary design optimization problems using hGWO-SA algorithm	Bhadoria A., Marwaha S., Kamboj V.K.	9410643	Neural Computing and Applications	33	8	0	0	0	0	0	5	5	0	5
2021	Improving SNR of SM-OFI Signal Using RLS Adaptive Filter Algorithm	Bhardwaj V.K., Maini S.		2021 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2021			0	0	0	0	0	0	0	0	0
2021	Effect of fuel pressure, feed rate, and spray distance on cavitation erosion of Rodojet sprayed Al <sub>2</sub> O <sub>3</sub> +50%TiO <sub>2</sub> coated AISI410 steel	Pandey S., Bansal A., Omer A., Singla A.K., Goyal D.K., Singh J., Gupta M.K.	2578972	Surface and Coatings Technology	410		0	0	0	0	2	4	6	0	6
2021	The genus Nepeta: Traditional uses, phytochemicals and pharmacological properties	Sharma A., Cooper R., Bhardwaj G., Cannoo D.S.	3788741	Journal of Ethnopharmacology	268		0	0	0	0	7	13	20	0	20
2021	Terephthalaldehyde as a good crosslinking agent in crosslinked chitosan hydrogel for the selective removal of anionic dyes	Garg M., Bhullar N., Bajaj B., Sud D.	11440546	New Journal of Chemistry	45	11	0	0	0	0	2	6	8	0	8
2021	Spray Drying of Bottle Gourd Juice: Effect of Different Carrier Agents on Physical, Antioxidant Capacity, Reconstitution, and Morphological Properties	Bhat S., Saini C.S., Kumar V., Sharma H.K.	26921944	ACS Food Science and Technology	1	2	0	0	0	0	0	1	1	0	1
2021	Application of Computational Techniques in Demand Response: A Review	Verma R.		2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021			0	0	0	0	1	0	1	0	1
2021	Advancement of Control Techniques in Deregulated Automatic Generation Control: An Overview	Verma R., Kumar A., Singh D.		2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021			0	0	0	0	1	1	2	0	2

2021	DG Penetration in Distribution Networks: A Review	Verma R., Kashyap M.		2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021			0	0	0	0	0	2	2	0	2
2021	Load Management in Active Distribution Network including Stochastic Behaviour of DGs	Verma R.		2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021			0	0	0	0	0	0	0	0	0
2021	Simulation based analysis of outer rotor brushless DC motor for electric vehicle application	Verma Y., Manna M.S.		Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development, INDIACom 2021			0	0	0	0	0	1	1	0	1
2021	Ultrasound assisted regioselective synthesis, photophysical and structural studies of 1-substituted indazol-4(5H)-ones and enamino diketones of dimesone	Chaudhary R.P., Gautam P., Gautam D., Mittal I.	222860	Journal of Molecular Structure	1228		0	0	0	0	2	0	2	0	2
2021	Environment and economic burden of sustainable cooling/lubrication methods in machining of Inconel-800	Gupta M.K., Song Q., Liu Z., Sarikaya M., Jamil M., Mia M., Singla A.K., Khan A.M., Khanna N., Pimenov D.Y.	9596526	Journal of Cleaner Production	287		0	0	0	0	31	19	50	0	50
2021	Three-Level Inverters for Induction Motor Driven Electric Vehicles	Jamwal P.S., Singh S., Jain S.		3rd International Conference on Energy, Power and Environment: Towards Clean Energy Technologies, ICEPE 2020			0	0	0	0	0	3	3	0	3
2021	Computation of design-related engineering properties and fracture resistance of plum (Prunus domestica) kernels to compressive loading	Sheikh M.A., Saini C.S., Sharma H.K.	26661543	Journal of Agriculture and Food Research	3		0	0	0	0	2	3	5	0	5

2021	Investigating the effect of arc offsetting in AISI 304 stainless steel and copper welding using gas tungsten arc welding	Singh G., Saxena R.K., Pandey S.	16785878	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	3	0	0	0	0	0	1	1	0	1
2021	Antioxidant potential, GC/MS and headspace GC/MS analysis of essential oils isolated from the roots, stems and aerial parts of <i>Nepeta leucophylla</i>	Sharma A., Bhardwaj G., Cannoo D.S.	18788181	Biocatalysis and Agricultural Biotechnology	32		0	0	0	0	2	3	5	1	6
2021	Evaluation of machining performance and multi criteria optimization of novel metal-Nimonic 80A using EDM	Shukla V.K., Kumar R., Singh B.K.	25233971	SN Applied Sciences	3	3	0	0	0	0	2	2	4	0	4
2021	Technological, processing and nutritional aspects of chickpea ( <i>Cicer arietinum</i> ) - A review	Kaur R., Prasad K.	9242244	Trends in Food Science and Technology	109		0	0	0	0	6	21	27	0	27
2021	Effect of Welding Heat Input and Post-weld Thermal Aging on the Sensitization and Pitting Corrosion Behavior of AISI 304L Stainless Steel Butt Welds	Kumar S., Shahi A.S., Sharma V., Malhotra D.	10599495	Journal of Materials Engineering and Performance	30	3	0	0	0	0	3	7	10	0	10
2021	Multi-Objective Optimization of Electro Discharge Machining of NIMONIC 75 Using Taguchi-Based Gray Relational Analysis	Singh M., Singh S.	2196867	Journal of Advanced Manufacturing Systems	20	1	0	0	0	0	2	1	3	0	3
2021	Rheological behavior and storage studies of sprouted onion pastes from four onion varieties	Majid I., Dar B.N., Nanda V., Alwahibi M.S., Alkahtani J., Elshikh M.S., Usmani S., Ansari M.J.	10183647	Journal of King Saud University - Science	33	2	0	0	0	0	1	0	1	0	1
2021	MACO-QCR: Multi-Objective ACO-Based QoS-Aware Cross-Layer Routing Protocols in WSN	Kaur T., Kumar D.	1530437X	IEEE Sensors Journal	21	5	0	0	0	0	3	9	12	1	13
2021	An Ab Initio study of electronic, mechanical, thermoelectric and vibrational properties of Dirac Semimetals Ca <sub>3</sub> PbO and Ca <sub>3</sub> SnO	Kaur T., Sinha M.M.	23524928	Materials Today Communications	26		0	0	0	0	3	2	5	0	5
2021	Spectroscopic, photophysical, solution thermodynamics and computational study of europium and terbium complexes with a flexible quinolinol-based symmetric tripodal chelator	Akbar R., Baral M., Kanungo B.K.	13861425	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	247		0	0	0	0	0	1	1	0	1
2021	Investigating friction spin welding of thermoplastics in shear joint configuration	Bindal T., Saxena R.K., Pandey S.	25233971	SN Applied Sciences	3	2	0	0	0	0	0	2	2	0	2

2021	Screening of Indian bee pollen based on antioxidant properties and polyphenolic composition using UHPLC-DAD-MS/MS: A multivariate analysis and ANN based approach	Thakur M., Nanda V.	9639969	Food Research International	140		0	0	0	0	6	7	13	0	13
2021	The design of a reconfigurable all-optical logic device based on cross-phase modulation in a highly nonlinear fiber	Lovkesh, Sharma V., Singh S.	15698025	Journal of Computational Electronics	20	1	0	0	0	0	6	6	12	0	12
2021	Bio-funcional components in mushrooms, a health opportunity: Ergothionine and huitlacoche as recent trends	Martinez-Medina G.A., Chavez-Gonzalez M.L., Verma D.K., Prado-Barragan L.A., Martinez-Hernandez J.L., Flores-Gallegos A.C., Thakur M., Srivastav P.P., Aguilar C.N.	17564646	Journal of Functional Foods	77		0	0	0	0	4	10	14	0	14
2021	Analysis of doppler induced optical feedback interferometry for point-of-use refractometry	Bhardwaj V.K., Maini S.	304026	Optik	228		0	0	0	0	0	0	0	0	0
2021	Enzymatic debittering of Citrus reticulata (Kinnow) pulp residue and its utilization for the preparation of vermicelli	Singla G., Panesar P.S., Sangwan R.S., Krishania M.	1458892	Journal of Food Processing and Preservation	45	2	0	0	0	0	0	5	5	0	5
2021	Development of an Inverted-h Shaped Fractal Microstrip Patch Antenna for Cognitive Radio	Singh A.P., Aggarwal M.	22502106	Journal of The Institution of Engineers (India): Series B	102	1	0	0	0	0	0	0	0	0	0
2021	Design of a Modified Structure Linear Switched Reluctance Motor for Linear Propulsion of System Like Mumbai Monorail	Prasad N., Jain S., Gupta S.	22502106	Journal of The Institution of Engineers (India): Series B	102	1	0	0	0	0	1	1	2	1	3
2021	Simulation model for complexity in black holes and demonstration of power of one clean qubit using IBM QX	Dharmaraj, Behera B.K., Panigrahi P.K.	21965609	Quantum Studies: Mathematics and Foundations	8	1	0	0	0	0	0	0	0	0	0
2021	Optimization of ultrasound assisted extraction of polyphenols from Meghalayan cherry fruit (Prunus nepalensis) using response surface methodology (RSM) and artificial neural network (ANN) approach	Kashyap P., Riar C.S., Jindal N.	21934126	Journal of Food Measurement and Characterization	15	1	0	0	0	0	4	17	21	0	21
2021	360 degree view of cross-domain opinion classification: a survey	Singh R.K., Sachan M.K., Patel R.B.	2692821	Artificial Intelligence Review	54	2	0	0	0	1	4	6	11	0	11























2021	Multiple response optimization of ultrasonic assisted electric discharge Machining of Nimonic 75: A Taguchi-Grey relational analysis approach	Singh M., Singh S.	22147853	Materials Today: Proceedings	45		0	0	0	0	0	1	1	0	1
2021	An Alternative Approach to Convolutions of Harmonic Mappings	Singla C., Gupta S., Singh S.	21941009	Springer Proceedings in Mathematics and Statistics	344		0	0	0	0	1	0	1	0	1
2021	Implantable Antenna Design Based on Gosper Curve Fractal Geometry	Kumar R., Singh S., Chauhan A.P.S.	3772063	IETE Journal of Research			0	0	0	0	0	1	1	0	1
2021	Formal Modeling, Verification, and Analysis of a Distributed Task Execution Algorithm	Nath A., Niyogi R.	23673370	Lecture Notes in Networks and Systems	225		0	0	0	0	0	0	0	0	0
2021	Energy-Efficient Fuzzy Geocast Routing Protocol for Opportunistic Networks	Khalid K., Woungang I., Dhurandher S.K., Singh J.	23673370	Lecture Notes in Networks and Systems	225		0	0	0	0	0	1	1	0	1
2021	Improved Directional Bat Algorithm Based Electric Power Dispatch	Singh D., Dhillon J.S.	15325008	Electric Power Components and Systems	48	19-20	0	0	0	0	1	1	2	0	2
2021	An efficient class of fourth-order derivative-free method for multiple-roots	Kumar S., Kumar D., Sharma J.R., Argyros I.K.	15651339	International Journal of Nonlinear Sciences and Numerical Simulation			0	0	0	0	1	2	3	0	3
2021	Deep Transfer Learning Based Multiway Feature Pyramid Network for Object Detection in Images	Kaur P., Khehra B.S., Pharwaha A.P.S.	1024123X	Mathematical Problems in Engineering	2021		0	0	0	0	1	0	1	1	2
2021	Online Identification of Underlying Causes for Multiple and Multi-Stage Power Quality Disturbances Using S-Transform	Kumar R., Singh B., Kumar R., Marwaha S.	3772063	IETE Journal of Research			0	0	0	0	0	4	4	0	4
2021	Production of Biosurfactants by Ascomycetes	Sanches M.A., Luzeiro I.G., Alves Cortez A.C., Simplicio De Souza E., Albuquerque P.M., Chopra H.K., Braga De Souza J.V.	1687918X	International Journal of Microbiology	2021		0	0	0	0	0	4	4	0	4
2021	Real-time short-term hydro-thermal-wind-solar power scheduling using meta-heuristic optimization technique	Kaur S., Brar Y.S., Dhillon J.S.	22524940	International Journal of Renewable Energy Development	10	3	0	0	0	0	2	3	5	0	5
2021	Synthesis and modification of ZnO thin films by energetic ion beams	Krishna R., Agarwal D.C., Avasthi D.K.	10420150	Radiation Effects and Defects in Solids	176	1-2	0	0	0	0	0	1	1	0	1





2021	Gender Identification Over Voice Sample Using Machine Learning	Yadav M., yadav C.S., Kumar R., Yadav P.S.	23674512	Lecture Notes on Data Engineering and Communications Technologies	56		0	0	0	0	0	1	1	0	1
2021	Optimization and evaluation of composite flour cookies prepared from germinated triticale, kidney bean, and chickpea	Singh Sibian M., Singh Riar C.	1458892	Journal of Food Processing and Preservation	45	1	0	0	0	0	2	7	9	0	9
2021	A comprehensive review on synthetic approaches for metal-organic frameworks: From traditional solvothermal to greener protocols	Sud D., Kaur G.	2775387	Polyhedron	193		0	0	0	0	11	9	20	1	21
2021	Predicting tensile-shear strength of nugget using MSP model tree and random forest: An analysis	Dang S.K., Singh K.	1663615	Computers in Industry	124		0	0	0	0	2	2	4	0	4
2021	Changes in major flavonols and quercetin glycosides upon sprouting in onion cultivars	Majid I., Hussain S., Nanda V., Jabeen F., Mehmood Abbasi A., Alkahtani J., Soliman Elshikh M., Azhar Khan M., Usmani S., Javed Ansari M.	10183647	Journal of King Saud University - Science	33	1	0	0	0	0	1	3	4	0	4
2021	First-time comparative investigation on Araucaria columnaris (G. Forst.) Hook. leaves: extraction techniques, phytochemicals, medicinal activities, and DFT study	Patial P.K., Cannoo D.S.	10542523	Medicinal Chemistry Research	30	1	0	0	0	0	0	4	4	0	4
2021	Banana Starch: Properties Illustration and Food Applications—A Review	Dhull S.B., Malik T., Kaur R., Kumar P., Kaushal N., Singh A.	389056	Starch/Staerke	73	1-2	0	0	0	0	3	8	11	0	11
2021	Application of machine learning technique for demand forecasting: A case study of the manufacturing industry	Jayant A., Agarwal A., Gupta V.	21954356	Lecture Notes in Mechanical Engineering			0	0	0	0	0	0	0	0	0
2021	A critical evaluation of mathematical modeling approaches in the scientific research	Garg J., Garg S.B., Singh K.	23673370	Lecture Notes in Networks and Systems	140		0	0	0	0	0	0	0	0	0
2021	An improvised collocation algorithm with specific end conditions for solving modified Burgers equation	Shallu, Kukreja V.K.	0749159X	Numerical Methods for Partial Differential Equations	37	1	0	0	0	0	3	5	8	0	8
2021	Energy harvesting in wireless sensor networks: A taxonomic survey	Singh J., Kaur R., Singh D.	0363907X	International Journal of Energy Research	45	1	0	0	0	0	9	24	33	1	34

2021	Detection of Epileptic Seizure EEG Signal Using Multiscale Entropies and Complete Ensemble Empirical Mode Decomposition	Singh G., Kaur M., Singh B.	9296212	Wireless Personal Communications	116	1	0	0	0	0	5	5	10	0	10
2021	Effect of GTAW remelting on the corrosion performance of AISI 316L cladding	Malhotra D., Shahi A.S., Gupta K.	9475117	Materials and Corrosion	72	1-2	0	0	0	0	0	3	3	0	3
2021	Design of single-fed dual-polarized dual-band slotted patch antenna for GPS and SDARS applications	Choudhary S.D., Srivastava A., Kumar M.	8952477	Microwave and Optical Technology Letters	63	1	0	0	0	0	3	4	7	0	7
2021	Design of dual polarized tetra core PCF based plasmonic RI sensor for visible-IR spectrum	Shakya A.K., Singh S.	304018	Optics Communications	478		0	0	0	0	5	11	16	0	16
2021	Effective Removal of Methylene Blue Dye Using Silver Nanoparticles Containing Grafted Polymer of Guar Gum/Acrylic Acid as Novel Adsorbent	Singh J., Dhaliwal A.S.	15662543	Journal of Polymers and the Environment	29	1	0	0	0	0	2	11	13	0	13
2021	An improved simplex based particle swarm optimization for environmentally constrained economic dispatch problem in thermal power plants	Chopra N., Brar Y.S., Dhillon J.S.	18761100	Lecture Notes in Electrical Engineering	661		0	0	0	0	1	1	2	0	2
2021	Information hiding using private content-based random encryption and data reduction for rgb images	Shakya A.K., Ramola A., Vidyarthi A.	18761100	Lecture Notes in Electrical Engineering	661		0	0	0	2	0	0	2	0	2
2021	Effectiveness of active dynamic and passive thermography in the detection of maxillary sinusitis	Singh J., Arora A.S.	17686733	Quantitative InfraRed Thermography Journal	18	4	0	0	0	0	2	0	2	0	2
2021	Optimization of spray drying operating conditions for production of functional milk powder encapsulating bee pollen	Thakur M., Pant K., Naik R.R., Nanda V.	7373937	Drying Technology	39	6	0	0	0	0	4	3	7	0	7
2021	On a question of Bhatia, Friedland and Jain	Kapil Y., Kaur R., Singh M.	3081087	Linear and Multilinear Algebra	69	16	0	0	0	0	0	0	0	0	0
2021	Recent Trends on the Valorization Strategies for the Management of Citrus By-products	Panwar D., Panesar P.S., Chopra H.K.	87559129	Food Reviews International	37	1	0	0	0	3	8	7	18	0	18
2021	Phytochemical profile, antioxidant potential and DFT study of Araucaria columnaris (G. Forst.) Hook. Branch extracts	Patil P.K., Cannoo D.S.	14786419	Natural Product Research	35	22	0	0	0	2	0	3	5	0	5
2020	Banana starch: Properties, description, and modified variations - A review	Kaur L., Dhull S.B., Kumar P., Singh A.	1418130	International Journal of Biological Macromolecules	165		0	0	0	0	9	11	20	0	20

2020	Energy recovery ducted turbine (ERDT) system for chimney flue gases - A CFD based analysis to study the effect of number of blade and diffuser angle	Mann H.S., Singh P.K.	3605442	Energy	213		0	0	0	1	3	2	6	0	6
2020	Synthesis of a new tetradentate chelator with 1-Hydroxy-2(1H)-pyridinone (HOPO) as chelating unit: Interaction with Fe (III), solution thermodynamics and DFT studies	Dash D., Baral M., Kanungo B.K.	222860	Journal of Molecular Structure	1222		0	0	0	0	1	1	2	0	2
2020	Conversion of Landsat 8 multispectral data through modified private content-based image retrieval technique for secure transmission and privacy	Shakya A.K., Ramola A., Vidyarthi A.	25778196	Engineering Reports	2	12	0	0	0	0	3	7	10	0	10
2020	Incipient fault detection of sensors used in wastewater treatment plants based on deep dropout neural network	Mali B., Laskar S.H.	25233971	SN Applied Sciences	2	12	0	0	0	0	1	1	2	0	2
2020	Plasmonic periodic nanostructures for enhanced photovoltaic response in thin film GaAs solar cells	Singh G., Verma S.S.	913286	Optical Engineering	59	12	0	0	0	0	2	2	4	0	4
2020	A family of derivative free optimal fourth order methods for computing multiple roots	Kumar S., Kumar D., Sharma J.R., Jantschi L.	20738994	Symmetry	12	12	0	0	0	0	0	4	4	1	5
2020	Distance-based congestion control mechanism for CoAP in IoT	Bansal S., Kumar D.	17518628	IET Communications	14	19	0	0	0	0	0	3	3	0	3
2020	Generating optimal eighth order methods for computing multiple roots	Kumar D., Kumar S., Sharma J.R., D'Amore M.	20738994	Symmetry	12	12	0	0	0	0	0	1	1	0	1
2020	Effect of introducing ozone in elemental chlorine free bleaching of pulp on generation of chlorophenolic compounds	Tripathi S.K., Bhardwaj N.K., Ghatak H.R.	2832631	Nordic Pulp and Paper Research Journal	35	4	0	0	0	0	0	0	0	0	0
2020	Laplace transform inversion using Bernstein operational matrix of integration and its application to differential and integral equations	Mishra V., Rani D.	2534142	Proceedings of the Indian Academy of Sciences: Mathematical Sciences	130	1	0	0	0	0	0	1	1	0	1
2020	Beneficiation of food processing by-products through extraction of bioactive compounds using neoteric solvents	Saini A., Panesar P.S.	236438	LWT	134		0	0	0	0	5	5	10	0	10
2020	Ecological, economical and technological perspectives based sustainability assessment in hybrid-cooling assisted machining of Ti-6Al-4 V alloy	Gupta M.K., Song Q., Liu Z., Sarikaya M., Jamil M., Mia M., Kushvaha V., Singla A.K., Li Z.	22149937	Sustainable Materials and Technologies	26		0	0	0	0	32	27	59	0	59

2020	Measurement of micro-harmonic vibration from optical feedback interferometry using wavelet trend analysis	Bhardwaj V.K., Maini S.	304018	Optics Communications	476	0	0	0	1	4	0	5	0	5
2020	Comparative analysis of new improved force split-teeth Linear Switched Reluctance Motor for high speed transit systems	Prasad N., Jain S., Gupta S.	2562499	Sadhana - Academy Proceedings in Engineering Sciences	45	1	0	0	0	1	2	3	0	3
2020	A survey and taxonomy on energy management schemes in wireless sensor networks	Singh J., Kaur R., Singh D.	13837621	Journal of Systems Architecture	111	0	0	0	1	21	18	40	0	40
2020	Satisfaction aware QoS-based bidirectional service mapping in cloud environment	Neeraj, Goraya M.S., Singh D.	13867857	Cluster Computing	23	4	0	0	0	2	8	10	0	10
2020	Investigating the impact of data normalization on classification performance	Singh D., Singh B.	15684946	Applied Soft Computing	97	0	0	2	12	88	140	242	5	247
2020	Improved CNN for the diagnosis of engine defects of 2-wheeler vehicle using wavelet synchro-squeezed transform (WSST)	Kumar A., Gandhi C.P., Zhou Y., Vashishtha G., Kumar R., Xiang J.	9507051	Knowledge-Based Systems	208	0	0	0	0	12	16	28	0	28
2020	Taro starch: Isolation, morphology, modification and novel applications concern - A review	Singla D., Singh A., Dhull S.B., Kumar P., Malik T., Kumar P.	1418130	International Journal of Biological Macromolecules	163	0	0	0	0	12	25	37	0	37
2020	Recent Progress in Synthesis and Applications of Tunable Materials and Nanomaterials Based on Organic Salts	Kaur P., Chopra H.K.	23656549	ChemistrySelect	5	42	0	0	0	1	3	4	0	4
2020	Simulated process integration of wastewater electrooxidation with recuperated micro gas turbine for energy recovery	Roy Ghatak H.	3603199	International Journal of Hydrogen Energy	45	56	0	0	0	1	2	3	1	4
2020	Surface plasmon excitation properties of liquid rubidium@silver nanoparticles	Bhardwaj A., Verma S.S.	0094243X	AIP Conference Proceedings	2265	0	0	0	0	0	0	0	0	0
2020	Rear located Ag nanocylinders for photocurrent enhancement in thin film GaAs solar cells	Singh G., Verma S.S.	0094243X	AIP Conference Proceedings	2265	0	0	0	0	0	2	2	0	2
2020	Status of bioactive compounds from bran of pigmented traditional rice varieties and their scope in production of medicinal food with nutraceutical importance	Bhat F.M., Sommano S.R., Riar C.S., Seesuriyachan P., Chaiyaso T., Prom-U-thai C.	20734395	Agronomy	10	11	0	0	0	7	9	16	1	17
2020	Modelling and Simulation of Vertical Fin Style Aluminium Heat Sink for Controlled Thermal Compensation in Absorber Loaded Antenna Array	Rani S., Marwaha A., Marwaha S.	10642269	Journal of Communications Technology and Electronics	65	11	0	0	0	0	0	0	0	0

2020	Dipodal Molecular Device as Fluorescent Sensor for Na(I) Detection	Dangi V., Baral M., Kanungo B.K.	219037	Journal of Applied Spectroscopy	87	5	0	0	0	0	0	0	0	0	0
2020	Tunable optical properties of Ni–Ag and Ni–Au nanoparticles in magneto-plasmonic nanostructures	Bhatia P., Verma S.S., Sinha M.M.	3068919	Optical and Quantum Electronics	52	11	0	0	0	0	1	3	4	0	4
2020	Tool wear progression and its effects on energy consumption and surface roughness in cryogenic assisted turning of Ti-6Al-4V	Agrawal C., Khanna N., Pruncu C.I., Singla A.K., Gupta M.K.	2683768	International Journal of Advanced Manufacturing Technology	111	5-6	0	0	0	0	6	6	12	0	12
2020	Experimental and in-silico studies of a symmetric biomimetic tripod derived from an oxygen-bridged trishydroxyquinolinecyclohexane and its iron and chromium adducts	Akbar R., Baral M., Kanungo B.K.	13877003	Inorganic Chemistry Communications	121		0	0	0	0	1	0	1	0	1
2020	Assessing sustainable development prospects through remote sensing: A review	Avtar R., Komolafe A.A., Kouser A., Singh D., Yunus A.P., Dou J., Kumar P., Gupta R.D., Johnson B.A., Thu Minh H.V., Aggarwal A.K., Kurniawan T.A.	23529385	Remote Sensing Applications: Society and Environment	20		0	0	0	1	8	14	23	0	23
2020	Investigation on Aging-Induced Degradation of Impact Toughness and Corrosion Performance of Duplex Stainless Steel Weldment	Singh S., Singh J., Shahi A.S.	9722815	Transactions of the Indian Institute of Metals	73	11	0	0	0	0	3	2	5	0	5
2020	Erosive wear behaviour of HVOF-sprayed Ni-20Cr2O3 coating on pipeline materials	Bansal A., Goyal D.K., Singh P., Singla A.K., Gupta M.K., Bala N., Kolte J., Setia G.	2634368	International Journal of Refractory Metals and Hard Materials	92		0	0	0	0	6	12	18	0	18
2020	Application of biofloc technology for Indian major carp culture (polyculture) along with water quality management	Deb S., Noori M.T., Rao P.S.	1448609	Aquacultural Engineering	91		0	0	0	2	3	3	8	0	8
2020	Estimation of absolute distance and high-frequency vibration from the modulated SM-OFI signal using compound mutated genetic algorithm	Bhardwaj V.K., Maini S.	1438166	Optics and Lasers in Engineering	134		0	0	0	1	1	1	3	0	3
2020	A faster King–Werner-type iteration and its convergence analysis	Sharma J.R., Argyros I.K., Kumar S.	36811	Applicable Analysis	99	14	0	0	0	0	0	0	0	0	0
2020	Exploring the Potential of Supported Ionic Liquids as Building Block Systems in Catalysis	Kaur P., Chopra H.K.	23656549	ChemistrySelect	5	39	0	0	0	0	1	4	5	1	6

2020	On the potential for superconductivity in ZrX (X = S and Te): a first-principles study	Gupta Y., Sinha M.M., Verma S.S.	9214534	Physica C: Superconductivity and its Applications	577		0	0	0	1	3	4	8	1	9
2020	Multi-Objective Power Scheduling of Wind-Thermal Integrated System by Using a-Constrained Simplex Method	Kaur S., Brar Y.S., Dhillon J.S.		2020 8th International Conference on Smart Grid and Clean Energy Technologies, ICSGCE 2020			0	0	0	0	1	2	3	0	3
2020	Solar-Thermal Power Scheduling by Inserting a-Constrained Method to Nonlinear Simplex Method with Mutations	Kaur S., Brar Y.S., Dhillon J.S.		2020 8th International Conference on Smart Grid and Clean Energy Technologies, ICSGCE 2020			0	0	0	0	1	2	3	0	3
2020	A study on the whispering-gallery-mode lasers in Er <sup>3+</sup> -doped silica glass microspheres and its integrated with SOI slotted photonic crystal waveguides	Pham V.D., Nguyen V.A., Hoang T.T., Hoang T.H.C., Ngo Q.M., Singh S.		25th Opto-Electronics and Communications Conference, OECC 2020			0	0	0	0	0	0	0	0	0
2020	Moth flame optimizer-based solution approach for unit commitment and generation scheduling problem of electric power system	Bhadoria A., Marwaha S.	22884300	Journal of Computational Design and Engineering	7	5	0	0	0	0	3	11	14	0	14
2020	A review on grafted, crosslinked and composites of biopolymer Xanthan gum for phasing out synthetic dyes and toxic metal ions from aqueous solutions	Kaur A., Singh D., Sud D.	10229760	Journal of Polymer Research	27	10	0	0	0	0	5	3	8	0	8
2020	Investigation of substrate materials for graphene oxide absorber loaded antenna array increased ambient temperature	Rani S., Marwaha A., Marwaha S.	1387974X	Photonic Network Communications	40	2	0	0	0	0	0	1	1	0	1
2020	An Efficient Superconvergent Spline Collocation Algorithm for Solving Fourth Order Singularly Perturbed Problems	Shallu, Kumari A., Kukreja V.K.	23495103	International Journal of Applied and Computational Mathematics	6	5	0	0	0	0	1	2	3	0	3
2020	Kinetics of producing vanillin and 4-hydroxy benzaldehyde from the hydrolysis residue of rice straw by photocatalysis	Ahmad K., Roy Ghatak H., Ahuja S.M.	18785190	Reaction Kinetics, Mechanisms and Catalysis	131	1	0	0	0	0	0	5	5	0	5
2020	Analysis of all-optical wavelength converter based on FWM effect in HNLF for coherent 100 Gbps dual-polarized DQPSK signal	Singh S., Singh S., Ngo Q.M., Mohammadi A.M.	10685200	Optical Fiber Technology	59		0	0	0	0	5	3	8	0	8

2020	FPS-MAC: Fuzzy priority scheduling-based MAC protocol for intelligent monitoring systems	Kaur T., Kumar D.	10745351	International Journal of Communication Systems	33	15	0	0	0	0	1	0	1	0	1
2020	Design of D-Shaped PCF-SPR sensor with dual coating of ITO and ZnO conducting metal oxide	Kaur V., Singh S.	304026	Optik	220		0	0	0	1	10	11	22	0	22
2020	Improved deep convolution neural network (CNN) for the identification of defects in the centrifugal pump using acoustic images	Kumar A., Gandhi C.P., Zhou Y., Kumar R., Xiang J.	0003682X	Applied Acoustics	167		0	0	0	5	23	35	63	1	64
2020	An Unconstrained and Effective Approach of Script Identification for Online Bilingual Handwritten Text	Singh G., Sachan M.K.	0250541X	National Academy Science Letters	43	5	0	0	0	0	2	1	3	0	3
2020	A Modified Newton-Özban Composition for Solving Nonlinear Systems	Sharma R., Sharma J.R., Kalra N.	2198762	International Journal of Computational Methods	17	8	0	0	0	0	1	5	6	0	6
2020	Ultrasound-Promoted One-Pot Three-Component Synthesis of $\beta$ -Amino Carbonyl Compounds Using Manganese Perchlorate	Kaur B., Kumar H.	304948	Organic Preparations and Procedures International	52	5	0	0	0	0	2	2	4	0	4
2020	Erosion behavior of hydrophobic polytetrafluoroethylene (PTFE) coatings with different thicknesses	Bansal A., Singh J., Singh H.	431648	Wear	456-457		0	0	0	2	4	9	15	0	15
2020	Formulation and characterization of cookies prepared from the composite flour of germinated kidney bean, chickpea, and wheat	Sibian M.S., Riar C.S.	26396181	Legume Science	2	3	0	0	0	0	3	7	10	0	10
2020	Design and optimization of micro-machined sierpinski carpet fractal antenna using ant lion optimization	Kumar A., Pharwaha A.P.S.	22235329	International Journal of Engineering and Technology Innovation	10	4	0	0	0	0	0	3	3	0	3
2020	A novel family of efficient weighted-Newton multiple root iterations	Kumar D., Sharma J.R., Jantschi L.	20738994	Symmetry	12	9	0	0	0	0	2	2	4	1	5
2020	Optical combinational circuit for contention detection circuit in all optical router	Singh S., Singh D., Lovkesh	304026	Optik	218		0	0	0	0	1	1	2	0	2
2020	Photophysical Studies of a Catechol Based Polyfunctional Dipodal Chelator: Application for Optical Probe for Selective Detection of Fe(III)	Dangi V., Baral M., Kanungo B.K.	10530509	Journal of Fluorescence	30	5	0	0	0	0	3	2	5	0	5
2020	On a reduced cost derivative-free higher-order numerical algorithm for nonlinear systems	Sharma J.R., Kumar D.	22383603	Computational and Applied Mathematics	39	3	0	0	0	0	0	3	3	0	3



2020	IoT Ecosystem: A Survey on Devices, Gateways, Operating Systems, Middleware and Communication	Bansal S., Kumar D.	10689605	International Journal of Wireless Information Networks	27	3	0	0	0	15	30	30	75	0	75
2020	Thermal Degradation Kinetics of Total Carotenoid and Colour of Mixed Juice	Kardile N.B., Nanda V., Thakre S.	2249720X	Agricultural Research	9	3	0	0	0	0	0	1	1	0	1
2020	Water retention and controlled release of KCl by using microwave-assisted green synthesis of xanthan gum-cl-poly (acrylic acid)/AgNPs hydrogel nanocomposite	Singh J., Dhaliwal A.S.	1700839	Polymer Bulletin	77	9	0	0	0	2	5	9	16	0	16
2020	Analysis of Metropolitan Land Use Classification for Agriculture, Forest, and River Beds: A Case Study of Dehradun, Uttarakhand, India	Sawant K., Prakash R., Vidyarthi A., Ramola A., Shakya A.K.		Proceedings - 2020 International Conference on Advances in Computing, Communication and Materials, ICACCM 2020				0	0	0	0	0	0	0	0
2020	Satellite Image Enhancement for Small Particle Observation Using Decorrelation Stretcher	Shakya A.K., Ramola A., Vidyarthi A., Sawant K.		Proceedings - 2020 International Conference on Advances in Computing, Communication and Materials, ICACCM 2020			0	0	0	0	1	1	2	0	2
2020	Modeling Techniques in Empirical Supercritical Extraction Designs: Recent Trends and Practices	Rai A.		Innovative Food Processing Technologies: A Comprehensive Review			0	0	0	0	0	0	0	0	0
2020	CPW-fed wide band micro-machined fractal antenna with band notched function	Kumar A., Pharwaha A.P.S.	10544887	Applied Computational Electromagnetics Society Journal	35	8	0	0	0	0	0	0	0	0	0
2020	A review on photocatalytic remediation of environmental pollutants and H2 production through water splitting: A sustainable approach	Ahmad K., Ghatak H.R., Ahuja S.M.	23521864	Environmental Technology and Innovation	19		0	0	0	4	11	27	42	0	42
2020	Modeling and optimization of novel biodiesel production from non-edible oil with musa balbisiana root using hybrid response surface methodology along with african buffalo optimization	Kumar U., Gupta P.	18785190	Reaction Kinetics, Mechanisms and Catalysis	130	2	0	0	0	1	3	2	6	0	6

2020	Magneto-plasmonic Co@M (M = Au/Ag/Au-Ag) core-shell nanoparticles for biological imaging and therapeutics	Bhatia P., Verma S.S., Sinha M.M.	224073	Journal of Quantitative Spectroscopy and Radiative Transfer	251		0	0	0	0	5	5	10	1	11
2020	Crisscross differential evolution algorithm for constrained hydrothermal scheduling	Kaur M., Dhillon J.S., Kothari D.P.	15684946	Applied Soft Computing Journal	93		0	0	0	0	6	4	10	0	10
2020	Lattice dynamics of novel Heusler alloys MnYZZ (Z=Al and Si)	Gupta Y., Sinha M.M., Verma S.S.	9214526	Physica B: Condensed Matter	590		0	0	0	1	10	3	14	0	14
2020	Influence of cryogenic treatment on mechanical performance of friction stir Al-Zn-Cu alloy weldments	Bansal A., Singla A.K., Dwivedi V., Goyal D.K., Singla J., Gupta M.K., Krolczyk G.M.	15266125	Journal of Manufacturing Processes	56		0	0	0	1	7	4	12	0	12
2020	Sustainability and machinability improvement of Nimonic-90 using indigenously developed green hybrid machining technology	Khanna N., Agrawal C., Gupta M.K., Song Q., Singla A.K.	9596526	Journal of Cleaner Production	263		0	0	0	10	14	11	35	0	35
2020	Solution of Benjamin-Bona-Mahony-Burgers equation using collocation method with quintic Hermite splines	Arora S., Jain R., Kukreja V.K.	1689274	Applied Numerical Mathematics	154		0	0	0	0	8	7	15	1	16
2020	Sugar profile and rheological behaviour of four different Indian honey varieties	Kamboj R., Nayik G.A., Bera M.B., Nanda V.	221155	Journal of Food Science and Technology	57	8	0	0	0	1	2	3	6	0	6
2020	Variational mode decomposition based symmetric single valued neutrosophic cross entropy measure for the identification of bearing defects in a centrifugal pump	Kumar A., Gandhi C.P., Zhou Y., Kumar R., Xiang J.	0003682X	Applied Acoustics	165		0	0	0	4	25	12	41	2	43
2020	A single phase modified bridgeless single ended primary induction converter based EV battery charger with enhanced power quality	Dwivedi R., Singh S., Singh B.		2020 IEEE Students' Conference on Engineering and Systems, SCES 2020			0	0	0	0	0	1	1	0	1
2020	Characterization and measurement of nanostructured copper-based electromagnetic wave absorber	Rani S., Marwaha A., Marwaha S., Bindra S., Chavali M., Reddy P.N.	2726343	Electromagnetics	40	5	0	0	0	0	1	0	1	0	1
2020	Optimization of hybrid WDM/TDM (16x1024) pon for future access systems	Singhal A., Gupta A., Singh S., Kaler R.S., Singh H., Singh G.	18426573	Optoelectronics and Advanced Materials, Rapid Communications	14	7-8	0	0	0	0	0	0	0	0	0
2020	Design of Microstrip Tunable Bandpass Filter using Ferroelectric Thin Film Varactor	Kumar S., Yadav C.S., Mali B.		2020 International Conference on Computational Performance Evaluation, ComPE 2020			0	0	0	0	0	1	1	0	1

2020	Phase transition of cosmological model with statistical techniques	Mishra R.K., Dua H.	0004640X	Astrophysics and Space Science	365	7	0	0	0	0	1	3	4	0	4
2020	On derivative free multiple-root finders with optimal fourth order convergence	Sharma J.R., Kumar S., Jantschi L.	22277390	Mathematics	8	7	0	0	0	3	3	8	14	1	15
2020	Laser power and scanning speed influence on the microstructure, hardness, and slurry erosion performance of Colmonoy-5 claddings	Savanth T., Singh J., Gill J.S.	14644207	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	234	7	0	0	0	0	3	8	11	0	11
2020	Evaluation of volatile compounds, phenolic acids, antioxidant potential and DFT study of essential oils from different parts of Araucaria columnaris (G. Forst.) Hook. from India	Patial P.K., Cannoo D.S.	2786915	Food and Chemical Toxicology	141		0	0	0	0	4	4	8	1	9
2020	Latest developments in gear defect diagnosis and prognosis: A review	Kumar A., Gandhi C.P., Zhou Y., Kumar R., Xiang J.	2632241	Measurement: Journal of the International Measurement Confederation	158		0	0	0	7	44	35	86	4	90
2020	Algorithm for processing high definition images for food colourimetry	Minz P.S., Sawhney I.K., Saini C.S.	2632241	Measurement: Journal of the International Measurement Confederation	158		0	0	0	0	1	7	8	0	8
2020	Chemistry and microbial sources of curdlan with potential application and safety regulations as prebiotic in food and health	Verma D.K., Niamah A.K., Patel A.R., Thakur M., Singh Sandhu K., Chavez-Gonzalez M.L., Shah N., Noe Aguilar C.	9639969	Food Research International	133		0	0	0	4	12	24	40	0	40
2020	Some norm inequalities for operators	Kapil Y., Pal R., Singh M., Aujla J.S.	2538225X	Advances in Operator Theory	5	3	0	0	0	0	0	0	0	0	0
2020	Analysis of biomasses for their thermochemical transformations to biofuels	Jha P., Dass B.	20563272	International Journal of Energy Production and Management	5	2	0	0	0	0	0	1	1	0	1
2020	Advances in urea and thiourea catalyzed ring opening polymerization: A brief overview	Jain I., Malik P.	143057	European Polymer Journal	133		0	0	0	3	5	5	13	0	13
2020	Microwave assisted extraction of phytochemicals from Ficus racemosa	Sharma B.R., Kumar V., Kumar S., Panesar P.S.	26660865	Current Research in Green and Sustainable Chemistry	3		0	0	0	0	4	5	9	1	10
2020	Optimization of turning parameters of titanium chrome-molybdenum (Ti-cr-mo) alloy using taguchi method	Singh M., Singh G., Jayant A.	9714588	Indian Journal of Engineering and Materials Sciences	27	3	0	0	0	0	1	2	3	0	3

2020	Toxicity, natural and induced degradation of chlorpyrifos	Dhiraj S.U.D., Kumar J., Kaur P., Bansal P.	7179324	Journal of the Chilean Chemical Society	65	2	0	0	0	0	3	8	11	0	11
2020	An optimal fourth order derivative-free numerical algorithm for multiple roots	Kumar S., Kumar D., Sharma J.R., Cesarano C., Agarwal P., Chu Y.-M.	20738994	Symmetry	12	6	0	0	0	3	11	9	23	0	23
2020	Physicochemical and Microbiological Characteristics of High-Pressure-Processed Ready-to-Eat Hilsa (Tenulosa ilisha) Curry	Singha K.K.R., Swami Hulle N.R., Deb S., Rao P.S.	17381266	Journal of Biosystems Engineering	45	2	0	0	0	0	0	1	1	0	1
2020	Some Feasibility Studies for Recycling of Steel Slag as a Useful Flux for Submerged Arc Welding	Saini S., Singh K.	2196867	Journal of Advanced Manufacturing Systems	19	2	0	0	0	0	1	2	3	0	3
2020	Recognition of underlying causes of power quality disturbances using stockwell transform	Kumar R., Singh B., Kumar R., Marwaha S.	189456	IEEE Transactions on Instrumentation and Measurement	69	6	0	0	1	1	5	10	17	0	17
2020	A graphene-based multiband antipodal Vivaldi nanoantenna for UWB applications	Bansal G., Marwaha A., Singh A.	15698025	Journal of Computational Electronics	19	2	0	0	0	0	6	2	8	0	8
2020	Structural modification in album (Chenopodium album) protein isolates due to controlled thermal modification and its relationship with protein digestibility and functionality	Mir N.A., Riar C.S., Singh S.	0268005X	Food Hydrocolloids	103		0	0	0	2	8	11	21	2	23
2020	Measurement and Optimization of Performance Parameters of Linear Switched Reluctance Motor Using Finite Element Method	Prasad N., Jain S., Gupta S.	9703950	Mapan - Journal of Metrology Society of India	35	2	0	0	0	0	2	1	3	0	3
2020	Automated approaches for ROIs extraction in medical thermography: a review and future directions	Singh J., Arora A.S.	13807501	Multimedia Tools and Applications	79	21-22	0	0	0	1	6	4	11	0	11
2020	Plasmon-induced photocatalytic degradation of methylene blue dye using biosynthesized silver nanoparticles as photocatalyst	Singh J., Dhaliwal A.S.	9593330	Environmental Technology (United Kingdom)	41	12	0	0	0	8	20	12	40	0	40
2020	Parametric optimization of USM parameters by Taguchi and NSGA-II for the development of $\mu$ -channels on pure titanium	Gupta R.D., Gupta P., Khanna R.	20439377	Grey Systems	10	2	0	0	0	0	1	1	2	0	2

2020	Fabrication of calcium hydroxyapatite incorporated polyurethane-graphene oxide nanocomposite porous scaffolds from poly (ethylene terephthalate) waste: A green route toward bone tissue engineering	Singh A., Banerjee S.L., Dhiman V., Bhadada S.K., Sarkar P., Khamrai M., Kumari K., Kundu P.P.	323861	Polymer	195	0	0	0	0	2	7	9	0	9
2020	Hydrogen sensing properties of Palladium thin films and nanoparticles	Aggarwal K.	0094243X	AIP Conference Proceedings	2220	0	0	0	0	0	1	1	0	1
2020	Dielectric properties of chili powder relevant to microwave drying at 5.8 GHz	Pankaj P., Kaur P., Mann K.S.	0094243X	AIP Conference Proceedings	2220	0	0	0	0	0	1	1	0	1
2020	First principle study of structural, elastic, mechanical and phonon properties of c-HfO <sub>2</sub>	Goyal M., Kaur T., Sinha M.M.	0094243X	AIP Conference Proceedings	2220	0	0	0	0	0	2	2	0	2
2020	Dielectric properties of soils of Moga region (Punjab) at X-band frequency 9.08 GHz	Palta P., Pankaj P., Kaur P., Mann K.S.	0094243X	AIP Conference Proceedings	2220	0	0	0	0	1	1	2	0	2
2020	Optical properties tunability of Hg-Ag core/shell nanoparticles	Bhardwaj A., Verma S.S.	0094243X	AIP Conference Proceedings	2220	0	0	0	0	1	0	1	0	1
2020	First principle study of structural and electronic properties of cubic inverse perovskite Ca <sub>3</sub> PbO	Kaur T., Goyal M., Sinha M.M.	0094243X	AIP Conference Proceedings	2220	0	0	0	0	1	0	1	0	1
2020	Studies of a tripodal biomimetic siderophore analog: An efficient encapsulation for Fe(III) ion	Baral M., Kaur K., Kanungo B.K.	10219986	Iranian Journal of Chemistry and Chemical Engineering	39	3	0	0	0	0	0	0	0	0
2020	Optimal one-point iterative function free from derivatives for multiple roots	Kumar D., Sharma J.R., Argyros I.K.	22277390	Mathematics	8	5	0	0	0	4	5	5	14	14
2020	Machinability investigations of hardened steel with biodegradable oil-based MQL spray system	Gupta M.K., Mia M., Jamil M., Singh R., Singla A.K., Song Q., Liu Z., Khan A.M., Rahman M.A., Sarikaya M.	2683768	International Journal of Advanced Manufacturing Technology	108	3	0	0	0	7	13	21	41	41
2020	Creep response of rotating composite discs having exponential, hyperbolic, linear and constant thickness profiles	Singh R., Saxena R.K., Khanna K., Gupta V.K.	0011748X	Defence Science Journal	70	3	0	0	0	0	1	1	2	2
2020	An approach to multi-wavelength conversion based on cross-phase modulation effect in dual HNLFs for optical orthogonal modulation format	Singh S., Singh S.	3068919	Optical and Quantum Electronics	52	5	0	0	0	0	1	0	1	1
2020	Emended salp swarm algorithm for multiobjective electric power dispatch problem	Kansal V., Dhillon J.S.	15684946	Applied Soft Computing Journal	90	0	0	0	0	3	11	22	36	37
2020	Inertia of some conditionally negative definite matrices	Aggarwal A., Singh M.	2538225X	Advances in Operator Theory	5	2	0	0	0	0	0	0	0	0

2020	A survey on QoS mechanisms in WSN for computational intelligence based routing protocols	Kaur T., Kumar D.	10220038	Wireless Networks	26	4	0	0	0	8	7	11	26	0	26
2020	Size-dependent optical response of complex CoFe@Ag & CoFe@Au core-shell nanospheres	Bhatia P., Verma S.S., Sinha M.M.	92614	Chemical Physics Letters	745		0	0	0	1	4	2	7	0	7
2020	Fatigue Assessment of Bicep Brachii Muscle Using Surface EMG Signals Obtained from Isometric Contraction	Bansal T., Khan A.A.		ACM International Conference Proceeding Series			0	0	0	0	0	0	0	0	0
2020	Enhanced photocurrent in thin-film GaAs solar cells with embedded Al nanoparticles	Singh G., Sekhon J.S., Verma S.S.	15567036	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	42	7	0	0	1	3	3	3	10	0	10
2020	Study of statistical methods for texture analysis and their modern evolutions	Ramola A., Shakya A.K., Van Pham D.	25778196	Engineering Reports	2	4	0	0	0	4	10	19	33	0	33
2020	Cosmological models in Sáez-Ballester theory with bilinear varying deceleration parameter	Mishra R.K., Chand A.	0004640X	Astrophysics and Space Science	365	4	0	0	0	0	0	4	4	0	4
2020	Two-particle azimuthal correlations as a probe of collective behaviour in deep inelastic ep scattering at HERA	Aggarwal R., Aushev V., Behnke O., Behrens U., Bertolin A., Bloch I., Brock I., Brook N.H., Brugnera R., Bruni A., Bussey P.J., Caldwell A., Capua M., Catterall C.D., Chwastowski J., Ciborowski J., Ciesielski R., Cooper-Sarkar A.M., Corradi M., Dementiev R.K., Dusini S., Ferrando J., Floerchinger S., Foster B., Gallo E., Gangadharan D., Garfagnini A., Geiser A., Gladilin L.K., Golubkov Y.A., Grzelak G., Gwenlan C., Hochman D., Jomhari N.Z., Kadenko I., Kananov S., Karshon U., Kaur P., Klanner R., Klein U., Korzhavina I.A., Kovalchuk N., Kowalski H., Kuprash O., Kuze M., Levchenko B.B., Levy A., Lohr B., Lohrmann E., Longhin A., Lukina O.Y., Makarenko I., Malka J.,	11266708	Journal of High Energy Physics	2020	4	0	0	0	0	6	3	9	0	9



2020	Development of Exothermic Flux for Enhanced Penetration in Submerged Arc Welding	Kumar A., Singh K.	2196867	Journal of Advanced Manufacturing Systems	19	1	0	0	0	0	1	2	3	0	3
2020	Biospeckle laser technique – A novel non-destructive approach for food quality and safety detection	Pandiselvam R., Mayookha V.P., Kothakota A., Ramesh S.V., Thirumdas R., Juvvi P.	9242244	Trends in Food Science and Technology	97		0	0	0	1	8	6	15	0	15
2020	Numerical inverse Laplace transform based on Bernoulli polynomials operational matrix for solving nonlinear differential equations	Rani D., Mishra V.	22113797	Results in Physics	16		0	0	0	4	7	6	17	0	17
2020	Structural investigation of Nd-zirconolite irradiated with He+ ions	Gupta M., Kulriya P.K., Kumar R., Ghumman S.S.	2365731	Journal of Radioanalytical and Nuclear Chemistry	323	3	0	0	0	0	2	0	2	0	2
2020	Tailoring of Electromagnetic Absorption in Substituted Hexaferrites from 8.2 GHz to 12.4 GHz	Kaur H., Marwaha A., Singh C., Narang S.B., Jotania R., Bai Y., Mishra S.R., Singh D., Sombra A.S.B., Ghimire M., Dhruv P.	3615235	Journal of Electronic Materials	49	3	0	0	0	1	5	2	8	0	8
2020	Synthesis and Validation of a Cu Meta-Based Wideband Microwave Absorber on an Antenna Array	Rani S., Marwaha A., Marwaha S., Bindra S., Chavali M., Reddy P.N.	3615235	Journal of Electronic Materials	49	3	0	0	0	0	0	0	0	0	0
2020	Economic power dispatch using hybrid particle swarm optimization with simplex search method	Chopra N., Brar Y.S., Dhillon J.S.	16859545	ECTI Transactions on Electrical Engineering, Electronics, and Communications	18	1	0	0	0	0	2	0	2	0	2
2020	Creating Employment in Some Indian Industries by Reducing the Working Shift Timing	Kumar A., Renu, Bansal S.	17578981	IOP Conference Series: Materials Science and Engineering	748	1	0	0	0	0	0	0	0	0	0
2020	Performance Evaluation of Clustering Techniques in Wireless Sensor Networks	Preeti, Kaur R., Singh D.		Indo - Taiwan 2nd International Conference on Computing, Analytics and Networks, Indo-Taiwan ICAN 2020 - Proceedings			0	0	0	0	1	1	2	0	2
2020	Fault tolerant T-Type cross connected source nine level inverter	Kumar V., Singh S., Jain S.		PIICON 2020 - 9th IEEE Power India International Conference			0	0	0	0	0	2	2	0	2



2020	S-Transform based detection of multiple and multistage power quality disturbances	Kumar R., Kumar R., Marwaha S., Singh B.		PIICON 2020 - 9th IEEE Power India International Conference					0	0	0	0	0	2	2	0	2
2020	Perceptions of Security and Privacy in Internet of Things	Singh S., Kumar D.		Proceedings of the 5th International Conference on Inventive Computation Technologies, ICICT 2020					0	0	0	2	3	0	5	0	5
2020	Effects of Different Radiations of Electromagnetic Spectrum on Human Health	Thukral R., Gulshan, Kumar A., Arora A.S.		2020 IEEE International Students' Conference on Electrical, Electronics and Computer Science, SCEECS 2020					0	0	0	0	0	0	0	0	0
2020	Reduction of specific absorption rate (SAR) for human head using circular patch antenna	Singla A., Marwaha A., Marwaha S.		2020 7th International Conference on Signal Processing and Integrated Networks, SPIN 2020					0	0	0	0	2	1	3	0	3
2020	Signal processing for enhancing impulsiveness toward estimating location of multiple roller defects in a taper roller bearing	Kumar A., Kumar R.	25723901	Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems		3	1	0	0	0	2	1	0	3	0	3	
2020	Impact of cryogenic treatment on HCF and FCP performance of $\beta$ -solution treated Ti-6Al-4V ELI biomaterial	Singla A.K., Singh J., Sharma V.S., Gupta M.K., Song Q., Rozumek D., Krolczyk G.M.	19961944	Materials		13	3	0	0	0	2	2	3	7	0	7	
2020	Design of optical wavelength conversion based on cross polarization modulation effect of SOA-MZI	Singh S., Singh S.	3068919	Optical and Quantum Electronics		52	2	0	0	0	0	2	3	5	0	5	
2020	Metallurgical and corrosion characterization of electron beam welded duplex stainless steel joints	Singh J., Shahi A.S.	15266125	Journal of Manufacturing Processes		50		0	0	0	5	7	6	18	1	19	
2020	Effect of different elemental chlorine-free bleaching sequences on pulp, effluent properties and their impact on index of global pollution	Tripathi S.K., Bhardwaj N.K., Ghatak H.R.	9441344	Environmental Science and Pollution Research		27	5	0	0	0	2	2	1	5	0	5	

2020	Controlled release of amoxicillin and antioxidant potential of gold nanoparticles-xanthan gum/poly (Acrylic acid) biodegradable nanocomposite	Singh J., Kumar S., Dhaliwal A.S.	17732247	Journal of Drug Delivery Science and Technology	55		0	0	0	1	14	8	23	0	23
2020	Application of amylose and amylose-based materials in food, medicine, biologicals and other allied fields	Sharma L., Paul S.K., Dutta H., Saini C.S., Sandhu K.S.		Amylose: Properties, Structure and Functions			0	0	0	0	0	0	0	0	0
2020	Phenolic nanoconjugates and its application in food	Foujdar R., Bera M.B., Chopra H.K.		Biopolymer-Based Formulations: Biomedical and Food Applications			0	0	0	0	2	0	2	0	2
2020	Synthesis and applications of carbohydrate based chiral ionic liquids as chiral recognition agents and organocatalysts	Kaur N., Chopra H.K.	1677322	Journal of Molecular Liquids	298		0	0	0	5	10	7	22	0	22
2020	Kinetic study of extrusion cooking of corn-rice flour blend fortified with nutraceutical concentrates with respect to various physical parameters	Kour J., Singh S., Saxena D.C.	0007070X	British Food Journal	122	2	0	0	0	0	0	0	0	0	0
2020	Innovations and future trends in product development and packaging technologies	Adesegun Kehinde B., Majid I., Hussain S., Nanda V.		Functional and Preservative Properties of Phytochemicals			0	0	0	0	0	1	1	0	1
2020	Enzyme systems for high-value biomolecule production	Kaur R., Panesar P.S.		Biomass, Biofuels, Biochemicals: Advances in Enzyme Catalysis and Technologies			0	0	0	0	0	0	0	0	0
2020	High-performance liquid chromatographic techniques for determination of organophosphate pesticides in complex matrices	Sud D., Kaur P., Bansal P.		Green Sustainable Process for Chemical and Environmental Engineering and Science: Analytical Techniques for Environmental and Industrial Analysis			0	0	0	0	0	1	1	0	1
2020	Assessment of water quality using different pollution indices and multivariate statistical techniques	Sharma V., Sharma M., Pandita S., Kumar V., Kour J., Sharma N.		Heavy Metals in the Environment: Impact, Assessment, and Remediation			0	0	0	0	0	1	1	0	1



2020	Sdrfhbloc-a secure framework for localization in wireless sensor networks	Prashar D., Jyoti K., Kumar D.	26662558	Recent Advances in Computer Science and Communications	13	6	0	0	0	0	1	2	0	3	0	3
2020	Performance enhancement of in-network probabilistic aggregation (PEPA) for vehicular ad-hoc networks	Kumar R., Kumar D., Kumar D.	11785608	International Journal on Smart Sensing and Intelligent Systems	13	1	0	0	0	0	0	0	0	0	0	0
2020	Nanocomposite graphene based tunable absorber for combating electromagnetic pollution	Rani S., Marwaha A., Marwaha S.	15734137	Current Nanoscience	16	6	0	0	0	0	1	0	1	0	1	
2020	Physico-chemical analysis and fatty acid profiling of fenugreek (Trigonella foenum-graecum) seed oil using different solvents	Munshi M., Arya P., Kumar P.	13458957	Journal of Oleo Science	69	11	0	0	0	0	1	6	7	0	7	
2020	An effective health indicator for bearing using corrected conditional entropy through diversity-driven multi-parent evolutionary algorithm	Chauhan S., Singh M., Kumar Aggarwal A.	14759217	Structural Health Monitoring				0	0	0	0	6	13	19	1	20
2020	Synthesis, characterization and application of molecular hammock and pincer type complexes	Shendge P., Sharma S., Baral M., Patel A., Parekh S., Kanungo B.K.	10426507	Phosphorus, Sulfur and Silicon and the Related Elements	196	2	0	0	0	0	0	0	0	0	0	0
2020	Optimal scheduling of solar-wind-thermal integrated system using $\alpha$ -constrained simplex method	Kaur S., Brar Y.S., Dhillon J.S.	22524940	International Journal of Renewable Energy Development	10	1	0	0	0	0	1	3	4	0	4	
2020	Impact of layer rotation on micro-structure, grain size, surface integrity and mechanical behaviour of SLM Al-Si-10Mg alloy	Gupta M.K., Singla A.K., Ji H., Song Q., Liu Z., Cai W., Mia M., Khanna N., Krolczyk G.M.	22387854	Journal of Materials Research and Technology	9	5	0	0	0	2	16	14	32	0	32	
2020	Impact of storage and packaging material on the nutritional, product properties and microbial count of extruded snacks	Wani S.A., Bhat T.A., Ganie N.A., Kumar P.	15734013	Current Nutrition and Food Science	16	4	0	0	0	0	0	1	1	0	1	
2020	An Exploratory Investigation and Optimization of Taper Cutting Operation with Wire Electro Discharge Machining	Verma A.S., Singh S., Singh A.	22147853	Materials Today: Proceedings	24		0	0	0	1	0	0	1	0	1	
2020	Some studies into weldability of rice husk ash aluminium matrix composites using TIG welding	Saini S., Singh S., Singh K., Singh A.	22147853	Materials Today: Proceedings	24		0	0	0	1	0	2	3	0	3	
2020	Multi-objective Optimization of Electrical Discharge Machining of Nimonic 75 using Teaching Learning Based Optimization (TLBO) Algorithm	Singh M., Singh S.	22147853	Materials Today: Proceedings	24		0	0	0	0	0	2	2	0	2	

2020	Prediction of bending behavior for laser forming of lime coated plain carbon steel using finite element method	Rattan A., Jasra Y., Saxena R.K.	22147853	Materials Today: Proceedings	28	0	0	0	1	1	4	6	1	7
2020	Effect of weld groove volume on the mechanical and metallurgical performance of GTA welded martensitic stainless steel (AISI 410 SS) joints	Singh M., Shahi A.S., Singh D.	22147853	Materials Today: Proceedings	28	0	0	0	0	2	2	4	0	4
2020	Numerical simulation of fracture behavior under high-velocity impact for Aluminium alloy 6060 target plate	Rathore K.K., Jasra Y., Saxena R.K.	22147853	Materials Today: Proceedings	28	0	0	0	0	1	1	2	0	2
2020	Determination of Johnson-Cook material model for weldment of mild steel	Yadav S., Singhal S., Jasra Y., Saxena R.K.	22147853	Materials Today: Proceedings	28	0	0	0	0	1	2	3	0	3
2020	Applications and approaches for texture analysis and their modern evolution	Ramola A., Shakya A.K., Vidyarthi A.	18761100	Lecture Notes in Electrical Engineering	662	0	0	0	0	0	0	0	0	0
2020	Landcover pattern recognition through texture classification using landsat data of dallas	Shakya A.K., Ramola A., Vidyarthi A.	18761100	Lecture Notes in Electrical Engineering	662	0	0	0	0	0	0	0	0	0
2020	To investigate the relationship between TQM enablers applicable in Indian engineering educational institutes	Mittal A., Gupta P., Singh M.	21698767	Proceedings of the International Conference on Industrial Engineering and Operations Management	0	March	0	0	0	0	0	0	0	0
2020	Identifying the most influencing success factors of TQM implementation in manufacturing industries using analytical hierarchy process	Gupta P., Mittal A.	21698767	Proceedings of the International Conference on Industrial Engineering and Operations Management	0	March	0	0	0	0	2	3	5	0
2020	Tunable optical response of Fe-Ag nanoparticles in core-shell nanostructures	Bhatia P., Verma S.S., Sinha M.M.	9205071	Journal of Electromagnetic Waves and Applications	0		0	0	0	1	1	2	0	2
2020	Theoretical study of structural, electronic and lattice dynamical properties of novel AlNiP half-Heusler alloy	Gupta Y., Sinha M.M., Verma S.S.	14786435	Philosophical Magazine	0		0	0	0	5	4	9	0	9
2020	Design of Cylindrical conformal slotted Microstrip Patch Antenna for wideband applications	Kohar S., Singh S., De A.	21681724	International Journal of Electronics Letters	0		0	0	0	1	1	2	0	2



2020	Cyclic voltammetry synthesis of polyaniline as supercapacitors electrode	Kumar S., Dhaliwal A.S.	22147853	Materials Today: Proceedings	21	0	0	0	0	0	0	0	0	0	0
2020	Study of phonon dynamics of calcium chalcogenides from first principles method	Goyal M., Sinha M.M.	22147853	Materials Today: Proceedings	21	0	0	0	0	0	0	0	0	0	0
2020	Laser cladding technique for erosive wear applications: A review	Singh S., Goyal D.K., Kumar P., Bansal A.	20531591	Materials Research Express	7	1	0	0	0	5	6	16	27	1	28
2020	Abrasive wear behavior of cryogenically treated boron steel (30MnCrB4) used for rotavator blades	Singh T.P., Singla A.K., Singh J., Singh K., Gupta M.K., Ji H., Song Q., Liu Z., Pruncu C.I.	19961944	Materials	13	2	0	0	0	2	6	8	16	0	16
2020	Hybridized particle swarm optimization on constrained economic dispatch problem	Chopra N., Brar Y.S., Dhillon J.S.	15461955	Journal of Computational and Theoretical Nanoscience	17	1	0	0	0	1	2	1	4	0	4
2020	Finite Element Based Prediction of Transient Temperature Distribution, Heat Affected Zone and Residual Stresses in AISI 304 Stainless Steel Weldment	Singh G., Saxena R.K., Pandey S.	21954356	Lecture Notes in Mechanical Engineering			0	0	0	0	0	0	0	0	0
2020	Thermomechanical Analysis of Al-7075 to Predict Residual Stresses by Using 3D Finite Element Simulation	Saxena A., Saxena R.K.	21954356	Lecture Notes in Mechanical Engineering			0	0	0	0	0	0	0	0	0
2020	Effect of dual phase stabilization via varying Ti/Nb ratios on the pitting behavior of AISI 347 welds	Shahi A.S., Malhotra D.	23671181	Minerals, Metals and Materials Series	1		0	0	0	0	0	1	1	0	1
2020	Simultaneous feature weighting and parameter determination of Neural Networks using Ant Lion Optimization for the classification of breast cancer	Dalwinder S., Birmohan S., Manpreet K.	2085216	Biocybernetics and Biomedical Engineering	40	1	0	0	0	2	16	17	35	1	36
2020	Deformation analysis of uwb microstrip antenna for breast cancer detection	Kaur B., Solanki L.S., Singh S.	21945357	Advances in Intelligent Systems and Computing	1045		0	0	0	0	0	0	0	0	0
2020	Real-time inclusive investigations for the selection of servo drive system of CNC machining centers	Verma K., Belokar R.M., Verma V.K., Ntalianis K.	16785878	Journal of the Brazilian Society of Mechanical Sciences and Engineering	42	1	0	0	0	0	0	0	0	0	0
2020	Optimization of process variables of probe ultrasonic-assisted extraction of phenolic compounds from the peel of Punica granatum Var. Bhagwa and it's chemical and bioactivity characterization	Foujdar R., Bera M.B., Chopra H.K.	1458892	Journal of Food Processing and Preservation	44	1	0	0	0	2	15	13	30	0	30





2019	On a class of optimal fourth order multiple root solvers without using derivatives	Sharma J.R., Kumar S., Jantschi L.	20738994	Symmetry	11	12	0	0	0	5	7	10	22	1	23
2019	Comparative study on the extraction and quantification of polyphenols from citrus peels using maceration and ultrasonic technique	Saini A., Panesar P.S., Bera M.	2347467X	Current Research in Nutrition and Food Science	7	3	0	0	0	2	6	9	17	0	17
2019	Lactic acid and its separation and purification techniques: A review	Kumar A., Thakur A., Panesar P.S.	15691705	Reviews in Environmental Science and Biotechnology	18	4	0	0	0	5	12	7	24	0	24
2019	Performance evaluation and optimization of solar assisted air heater with discrete multiple arc shaped ribs	Kumar R., Goel V., Singh P., Saxena A., Kashyap A.S., Rai A.	2352152X	Journal of Energy Storage	26		0	0	0	10	22	22	54	1	55
2019	Design and analysis of thin film GaAs solar cells using silver nanoparticle plasmons	Singh G., Verma S.S.	15694410	Photonics and Nanostructures - Fundamentals and Applications	37		0	0	0	3	7	4	14	0	14
2019	An Energy Efficient Scalable Clustering Protocol for Dynamic Wireless Sensor Networks	Singh H., Singh D.	9296212	Wireless Personal Communications	109	4	0	0	0	0	5	3	8	0	8
2019	Size dependent plasmonic properties of Ga@Ag & Cs@Ag liquid-metal nanospheres	Bhardwaj A., Verma S.S.	304018	Optics Communications	452		0	0	0	1	5	3	9	0	9
2019	Valorization of fruits and vegetables waste through green extraction of bioactive compounds and their nanoemulsions-based delivery system	Saini A., Panesar P.S., Bera M.B.	21974365	Bioresources and Bioprocessing	6	1	0	0	1	13	30	21	65	0	65
2019	Analysis of crystallization phenomenon in Indian honey using molecular dynamics simulations and artificial neural network	Naik R.R., Gandhi N.S., Thakur M., Nanda V.	3088146	Food Chemistry	300		0	0	0	3	2	4	9	1	10
2019	Noninvasive Temperature Measuring and Early Fault Detecting System for Manufacturing Industry	Kumar D., Suman K.G.	9703950	Mapan - Journal of Metrology Society of India	34	4	0	0	0	0	0	6	6	0	6
2019	Development of Pakoda Using Semi-Automatic Pakoda-Making Machine: Thermal, Rheological, Physicochemical and Sensory Properties	Kumar A., Sehrawat R., Saxena D.C.	22502149	Journal of The Institution of Engineers (India): Series A	100	4	0	0	0	0	0	0	0	0	0
2019	Enhanced room temperature ferromagnetism and green photoluminescence in Cu doped ZnO thin film synthesised by neutral beam sputtering	Agarwal D.C., Singh U.B., Gupta S., Singhal R., Kulriya P.K., Singh F., Tripathi A., Singh J., Joshi U.S., Avasthi D.K.	20452322	Scientific Reports	9	1	0	0	3	25	19	13	60	1	61

2019	Physico-chemical, rheological and sugar profile of different unifloral honeys from Kashmir valley of India	Nayik G.A., Dar B.N., Nanda V.	18785352	Arabian Journal of Chemistry	12	8	8	4	6	8	14	7	39	0	47
2019	On a class of efficient higher order newton-like methods	Sharma J.R., Kumar D.	13926292	Mathematical Modelling and Analysis	24	1	0	0	1	0	0	2	3	0	3
2019	Manganese-mediated acetylation of alcohols, phenols, thiols, and amines utilizing acetic anhydride	Jain I., Sharma R., Malik P.	397911	Synthetic Communications	49	21	0	0	0	0	1	2	3	0	3
2019	Chiral Recognition Methods in Analytical Chemistry: Role of the Chiral Ionic Liquids	Singh A., Kaur N., Kumar Chopra H.	10408347	Critical Reviews in Analytical Chemistry	49	6	0	0	0	9	10	8	27	0	27
2019	Reactive extraction of lactic acid using environmentally benign green solvents and a synergistic mixture of extractants	Kumar A., Thakur A.	10263098	Scientia Iranica	26	6	0	0	0	0	2	0	2	0	2
2019	Development of a polyfunctional dipodal schiff base: An efficient chelator and a potential zinc sensor	Gupta A., Dangi V., Baral M., Kanungo B.K.	10219986	Iranian Journal of Chemistry and Chemical Engineering	38	6	0	0	0	0	3	2	5	0	5
2019	Thermoelectric Properties of CaSe and CaTe Calculated by Density Functional Theory: An Approach to Overcome the World Energy Crisis	Singh J., Goyal M., Verma S.S.		2019 IEEE 2nd International Conference on Renewable Energy and Power Engineering, REPE 2019			0	0	0	0	0	0	0	0	0
2019	Multi-Objective Hybrid Optimization based Dynamic Resource Management Scheme for Cloud Computing Environments	Singh J., Goraya M.S.		Proceedings of the 2nd International Conference on Smart Systems and Inventive Technology, ICSSIT 2019			0	0	0	1	0	2	3	0	3
2019	Product strategies by small retailers in Punjab	Kumar P., Bansal S., Rani K., Arora M.	22778616	International Journal of Scientific and Technology Research	8	11	0	0	0	0	0	0	0	0	0
2019	Bulk viscous string cosmological models in Saez-Ballester theory of gravity	Mishra R.K., Dua H.	0004640X	Astrophysics and Space Science	364	11	0	0	0	3	3	5	11	0	11
2019	Design and analysis of CNTFET based 10T SRAM for high performance at nanoscale	Kumar M., Ubhi J.S.	989886	International Journal of Circuit Theory and Applications	47	11	0	0	0	2	5	7	14	0	14
2019	Biodegradation kinetic modeling of oxo-biodegradable polypropylene/polylactide/nanoclay blends and composites under controlled composting conditions	Sable S., Mandal D.K., Ahuja S., Bhunia H.	3014797	Journal of Environmental Management	249		0	0	0	4	11	6	21	0	21



2019	DFT calculations on molecular structures, HOMO–LUMO study, reactivity descriptors and spectral analyses of newly synthesized diorganotin(IV) 2-chloridophenylacetohydroxamate complexes	Choudhary V., Bhatt A., Dash D., Sharma N.	1928651	Journal of Computational Chemistry	40	27	0	0	0	6	18	40	64	4	68
2019	On the Design of Antenna Using Osgood Curve Fractal Geometry for Wireless Applications	Singh G., Singh A.P.		2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference, IEMCON 2019			0	0	0	0	0	0	0	0	0
2019	Design and Analysis of Modified Pythagorean Fractal Tree Patch Antenna for Multiband Applications	Kumar A., Singh Pharwaha A.P.		2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference, IEMCON 2019			0	0	0	0	1	0	1	0	1
2019	Impact of Cryogenic Treatment on Mechanical Behavior and Microstructure of Ti-6Al-4V ELI Biomaterial	Singla A.K., Singh J., Sharma V.S.	10599495	Journal of Materials Engineering and Performance	28	10	0	0	0	3	4	2	9	0	9
2019	Convergence analysis and complex geometry of an efficient derivative-free iterative method	Kumar D., Sharma J.R., Jantschi L.	22277390	Mathematics	7	10	0	0	0	0	1	6	7	1	8
2019	Performance enhancement of traffic information gathering (PEnTinG) algorithm for vehicular ad-hoc networks	Kumar R., Kumar D., Kumar D.	10745351	International Journal of Communication Systems	32	15	0	0	0	1	0	1	2	0	2
2019	Phase analysis and reduction behaviour of Ce dopant in zirconolite	Kaur R., Gupta M., Kulriya P.K., Ghumman S.S.	2365731	Journal of Radioanalytical and Nuclear Chemistry	322	1	0	0	0	1	3	2	6	0	6
2019	Slurry Erosion Behavior of HVOF-Sprayed WC-10Co-4Cr Coated SS 316 Steel with and Without PTFE Modification	Bansal A., Singh J., Singh H.	10599630	Journal of Thermal Spray Technology	28	7	0	0	0	7	7	12	26	1	27
2019	A conglomerated ion-motion and crisscross search optimizer for electric power load dispatch	Kumar M., Dhillon J.S.	15684946	Applied Soft Computing Journal	83		0	0	0	2	5	9	16	0	16
2019	Process optimization of polyphenol-rich milk powder using bee pollen based on physicochemical and functional properties	Thakur M., Nanda V.	1458876	Journal of Food Process Engineering	42	6	0	0	1	2	5	4	12	0	12

2019	A First Principle Study of Structural, Electronic, and Vibrational Properties of LuPdBi Half-Heusler Alloy	Gupta Y., Sinha M.M., Verma S.S.	3701972	Physica Status Solidi (B) Basic Research	256	10	0	0	0	3	6	8	17	0	17
2019	Metallurgical, impact and fatigue performance of electron beam welded duplex stainless steel joints	Singh J., Shahi A.S.	9240136	Journal of Materials Processing Technology	272		0	0	0	7	10	5	22	0	22
2019	Generalized Kung–Traub method and its multi-step iteration in Banach spaces	Sharma J.R., Kumar S., Argyros I.K.	0885064X	Journal of Complexity	54		0	0	0	1	0	0	1	0	1
2019	Influence on the antioxidant, structural and pasting properties of snacks with fenugreek, oats and green pea	Wani S.A., Kumar P.	1658077X	Journal of the Saudi Society of Agricultural Sciences	18	4	0	0	3	1	3	2	9	0	9
2019	Effect of date syrup on physicochemical, pasting, textural, rheological and morphological properties of sweet potato starch	Deepshikha, Kashyap P., Jindal N.	21934126	Journal of Food Measurement and Characterization	13	3	0	0	0	1	0	0	1	0	1
2019	ETPS-MAC: Energy Traffic Priority Scheduling-based QoS-aware MAC protocol for hierarchical WSNs	Kaur T., Kumar D.	207217	International Journal of Electronics	106	9	0	0	0	2	1	1	4	0	4
2019	Classification in Thermograms for Breast Cancer Detection using Texture Features with Feature Selection Method and Ensemble Classifier	Khan A.A., Shatru Arora A.		IEEE International Conference on Issues and Challenges in Intelligent Computing Techniques, ICICT 2019			0	0	0	0	2	2	4	0	4
2019	Wideband graphene absorber for effective sidelobe suppression of triangular patch antenna array	Rani S., Marwaha A., Marwaha S.		2019 2nd International Conference on Intelligent Communication and Computational Techniques, ICCT 2019			0	0	0	0	0	0	0	0	0
2019	Crisscross optimization algorithm for the designing of quadrature mirror filter bank	Chauhan S., Singh M., Agarwal A.K.		2019 2nd International Conference on Intelligent Communication and Computational Techniques, ICCT 2019			0	0	0	0	2	4	6	0	6

2019	Effect of different thresholding techniques for denoising of EMG signals by using different wavelets	Thukral R., Kumar A., Arora A.S., Gulshan		2019 2nd International Conference on Intelligent Communication and Computational Techniques, ICCT 2019					0	0	0	1	0	5	6	0	6
2019	Machine learning based comparative analysis of methods for enhancer prediction in genomic data	Kaur A., Chauhan A.P.S., Aggarwal A.K.		2019 2nd International Conference on Intelligent Communication and Computational Techniques, ICCT 2019					0	0	0	0	0	1	1	0	1
2019	A review on retinal blood vessel segmentation methodologies	Aastha, Gautam R.	22778616	International Journal of Scientific and Technology Research					8	9	0	0	0	0	0	0	0
2019	Dual band minkowski fractal antenna for maritime radio navigation services	Kumar A., Pharwaha A.P.S.	22783075	International Journal of Innovative Technology and Exploring Engineering					8	11	0	0	0	2	2	1	5
2019	Exploring renewable energy resources using remote sensing and GIS-A review	Avtar R., Sahu N., Aggarwal A.K., Chakraborty S., Kharrazi A., Yunus A.P., Dou J., Kurniawan T.A.	20799276	Resources					8	3	0	0	2	7	11	14	34
2019	Experimental and theoretical investigations of Mn-N-co-doped TiO <sub>2</sub> photocatalyst for visible light induced degradation of organic pollutants	Sharotri N., Sharma D., Sud D.	22387854	Journal of Materials Research and Technology					8	5	0	0	0	23	30	21	74
2019	Comprehensive Controller Implementation for Wind-PV-Diesel Based Standalone Microgrid	Rezkallah M., Singh S., Chandra A., Singh B., Tremblay M., Saad M., Geng H.	939994	IEEE Transactions on Industry Applications					55	5	0	0	0	6	8	10	24
2019	Population-urbanization-energy nexus: A review	Avtar R., Tripathi S., Aggarwal A.K., Kumar P.	20799276	Resources					8	3	0	0	4	12	37	27	80
2019	A low leakage TG-CNTFET-based inexact full adder for low power image processing applications	Goyal C., Ubhi J.S., Raj B.	989886	International Journal of Circuit Theory and Applications					47	9	0	0	0	2	11	7	20
2019	Size-Dependent RIS and FOM of Ag-Fe and Au-Fe Bimetallic Alloys in Triangular Prism: a DDA Study	Bhatia P., Verma S.S., Sinha M.M.	16749251	Photonic Sensors					9	3	0	0	0	1	1	1	3

2019	Flexible fault tolerance in cloud through replicated cooperative resource group	Hasan M., Goraya M.S.	1403664	Computer Communications	145		0	0	0	1	5	3	9	0	9
2019	Efficient Ostrowski-like methods of optimal eighth and sixteenth order convergence and their dynamics	Sharma J.R., Arora H.	10129405	Afrika Matematika	30	5-6	0	0	0	0	0	1	1	0	1
2019	Optical absorption properties of Fe/Co/Ni-Au core-shell nanostructures	Bhatia P., Verma S.S., Sinha M.M.	0094243X	AIP Conference Proceedings	2142		0	0	0	1	0	0	1	0	1
2019	A mini review: Polymer-matrix nanocomposites and its synthesis techniques	Bhatia P., Pachauri A., Sood A., Gaur M.K.	0094243X	AIP Conference Proceedings	2142		0	0	0	0	1	1	2	0	2
2019	Enhancing thin film GaAs solar cell performance with antireflection coatings	Singh G., Verma S.S.	0094243X	AIP Conference Proceedings	2142		0	0	0	0	1	2	3	0	3
2019	QoS mechanisms for MAC protocols in wireless sensor networks: A survey	Kaur T., Kumar D.	17518628	IET Communications	13	14	0	0	1	3	8	5	17	1	18
2019	Weld metal composition and aging influence on metallurgical, corrosion and fatigue crack growth behavior of austenitic stainless steel welds	Malhotra D., Shahi A.S.	20531591	Materials Research Express	6	10	0	0	0	1	2	4	7	0	7
2019	Probing swift heavy ion irradiation damage in Nd-doped zirconolite	Gupta M., Kuliya P.K., Meena R.C., Neumeier S., Ghumman S.S.	0168583X	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	453		0	0	0	0	1	1	2	0	2
2019	Experimental and modeling studies of the flow, dynamic and creep recovery properties of pearl millet starch as affected by concentration and cultivar type	Bhardwaj M., Sandhu K.S., Saxena D.C.	1418130	International Journal of Biological Macromolecules	135		0	0	0	0	3	4	7	0	7
2019	Investigation of wear characteristics of Al-4032 based metal matrix composite using Taguchi's optimization approach	Kumar D., Singh P.K.	20531591	Materials Research Express	6	10	0	0	0	0	3	8	11	0	11
2019	A novel hybrid MCDM approach based on DEMATEL, AHP and TOPSIS to evaluate green suppliers	Jayant A., Neeru, Agarwal A.	17426588	Journal of Physics: Conference Series	1240	1	0	0	0	0	1	0	1	1	2
2019	Determination of Lemaitre damage parameters for DP590 steel using Teacher-Learner based optimization	Verma A., Saxena R.K.	17426588	Journal of Physics: Conference Series	1240	1	0	0	0	0	0	3	3	0	3

2019	An experimental investigation into heat transfer characteristics of aqua based Cu nanofluid for automobile radiator	Mahay N., Yadav R.K.	17426588	Journal of Physics: Conference Series	1240	1	0	0	0	0	2	0	2	0	2
2019	Simulation based design of Production and Multi echelon supply chain network for job shop manufacturing environment: A Case Study	Sharma J., Jayant A., Tyagi M.	17426588	Journal of Physics: Conference Series	1240	1	0	0	0	1	1	1	3	1	4
2019	Design and Development of Spin Welding Machine for Thermoplastics	Bindal T., Saxena R.K., Pandey S.	17426588	Journal of Physics: Conference Series	1240	1	0	0	1	0	2	1	4	0	4
2019	Multi-response Optimization using TGRA for End Milling of AISI H11 Steel Alloy Using Carbide End Mill	Singh P.K., Saini P., Kumar A.K.	17426588	Journal of Physics: Conference Series	1240	1	0	0	1	1	2	3	7	0	7
2019	An Intelligent Simulation based case study of Indian Micro Small Medium Enterprise (MSME) of farm equipment manufacturing	Sharma J., Jayant A.	17426588	Journal of Physics: Conference Series	1240	1	0	0	0	0	0	2	2	0	2
2019	Sustainable supplier selection for battery manufacturing industry: A MOORA and WASPAS Based Approach	Jayant A., Chandan A.K., Singh S.	17426588	Journal of Physics: Conference Series	1240	1	0	0	0	0	2	5	7	0	7
2019	Effect of post weld thermal aging (PWTA) sensitization on micro-hardness and corrosion behavior of AISI 304 weld joints	Kumar M., Babbar A., Sharma A., Shahi A.S.	17426588	Journal of Physics: Conference Series	1240	1	0	0	2	3	3	0	8	0	8
2019	Parametric optimization of green synergistic reactive extraction of lactic acid using trioctylamine, Aliquat336, and butan-2-ol in sunflower oil by response surface methodology	Kumar A., Thakur A.	986445	Chemical Engineering Communications	206	8	0	0	4	2	2	6	14	0	14
2019	An Efficient Class of Weighted-Newton Multiple Root Solvers with Seventh Order Convergence	Sharma J.R., Kumar D., Cattani C.	20738994	Symmetry	11	8	0	0	0	0	2	0	2	0	2
2019	Impact of Harmonics on Power Transformer Losses and Capacity Using Open DSS	Maan J.S., Singh S., Singh A.	21945756	International Journal of Emerging Electric Power Systems	20	4	0	0	0	0	0	2	2	0	2
2019	Consequences of body-biasing technique on SRAM memory	Kumar M., Ubhi J.S.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	10	0	0	0	0	0	0	0	0	0
2019	Assessment of energy-population-urbanization nexus with changing energy industry scenario in India	Avtar R., Tripathi S., Aggarwal A.K.	2073445X	Land	8	8	0	0	3	5	1	3	12	0	12



2019	On the design of 2x2 MIMO fractal antenna array for C band applications	Singh G., Singh A.P.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	10	0	0	0	0	1	0	1	0	1
2019	A ranking based model for selecting optimum cloud geographical region	Neeraj, Goraya M.S., Singh D.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	10	0	0	1	1	0	0	2	0	2
2019	Ultrasound-Assisted Facile Synthesis and Antimicrobial Studies of Alkanediyl-bis-thiazolidin-4-ones and Alkanediyl-bis-thiazinan-4-ones	Kaur A., Kaur A.P., Gautam P., Gautam D., Chaudhary R.P.	0022152X	Journal of Heterocyclic Chemistry	56	8	0	0	0	0	0	2	2	0	2
2019	Profit based unit commitment using memetic binary differential evolution algorithm	Dhaliwal J.S., Dhillon J.S.	15684946	Applied Soft Computing Journal	81		0	0	2	10	13	6	31	0	31
2019	Exploring the influence of heat moisture treatment on physicochemical, pasting, structural and morphological properties of mango kernel starches from Indian cultivars	Bharti I., Singh S., Saxena D.C.	236438	LWT	110		0	0	0	2	11	12	25	0	25
2019	Design of micro-machined modified Sierpinski gasket fractal antenna for satellite communications	Kumar A., Singh A.P.	10964290	International Journal of RF and Microwave Computer-Aided Engineering	29	8	0	0	4	5	6	4	19	0	19
2019	Tuning the optical properties of Fe-Au core-shell nanoparticles with spherical and spheroidal nanostructures	Bhatia P., Verma S.S., Sinha M.M.	3759601	Physics Letters, Section A: General, Atomic and Solid State Physics	383	21	0	0	0	8	8	2	18	0	18
2019	Investigations on amphoteric chitosan/TiO2 bionanocomposites for application in visible light induced photocatalytic degradation	Bahal M., Kaur N., Sharotri N., Sud D.	7306679	Advances in Polymer Technology	2019		0	0	1	2	11	13	27	0	27
2019	Drying of acid and sugar rich foods	Nanda V., Majid I., Thakur M.		Handbook on Spray Drying Applications for Food Industries			0	0	0	0	2	1	3	0	3
2019	Optimization of aqueous extraction of oreoactaene and flavanoid pigments produced by Epicoccum nigrum	Kaur S., Panesar P.S., Gurumayum S., Rasane P., Kumar V.	3699420	Pigment and Resin Technology	48	4	0	0	1	2	0	0	3	0	3

2019	Suomi NPP Satellite Data Processing to Estimate Impact of Cyclone Fani on LU/LC	Shakya A.K., Ramola A., Tandon Y., Vidhyarthi A.		2019 10th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2019														0	0	0	2	0	0	2	0	2			
2019	IoT Application Layer Protocols: Performance Analysis and Significance in Smart City	Bansal S., Kumar D.		2019 10th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2019															0	0	0	2	5	1	8	0	8		
2019	Wide-WANET architecture for extension of internet facilities in remote regions	Gaur P.K., Marwaha A.	22783075	International Journal of Innovative Technology and Exploring Engineering															8	9	0	0	0	0	0	0	0		
2019	Fabrication of $\mu$ -channels on pure-ti using USM and optimization of process parameters	Gupta R.D., Gupta P.	22773878	International Journal of Recent Technology and Engineering															8	2	0	0	0	0	0	0	0		
2019	VM selection and allocation policy to optimize VM migration in cloud environment	Garg N., Singh D., Goraya M.S.	22773878	International Journal of Recent Technology and Engineering															8	2	0	0	0	0	3	3	0	3	
2019	Correlation study among the extraction techniques, phytochemicals, and antioxidant activity of Nepeta spicata aerial part	Patial P.K., Sharma A., Kaur I., Cannoo D.S.	18788181	Biocatalysis and Agricultural Biotechnology															20		0	0	0	3	7	5	15	0	15
2019	An efficient derivative free one-point method with memory for solving nonlinear equations	Sharma J.R., Kumar S., Cesarano C.	22277390	Mathematics															7	7	0	0	0	2	2	2	6	0	6
2019	On a reduced cost higher order Traub-Steffensen-like method for nonlinear systems	Sharma J.R., Kumar D., Jantschi L.	20738994	Symmetry															11	7	0	0	1	1	0	1	3	0	3
2019	Volatile and semi-volatile compounds of Tephrosia purpurea and its medicinal activities: Experimental and computational studies	Kumar V., Singh S., Srivastava B., Patial P.K., Kondalkar S.A., Bharthi V.	18788181	Biocatalysis and Agricultural Biotechnology															20		0	0	1	3	2	4	10	1	11
2019	Design of XPM based all optical contention detection circuit at 120 Gbps	Singh D., Singh S., Sharma V., Singh S., Ngo Q.M.	3068919	Optical and Quantum Electronics															51	7	0	0	0	0	4	2	6	0	6

2019	Optimization of process parameters on hydroxymethylfurfural content, diastase and invertase activity of coriander honey	Kamboj R., Sandhu R.S., Kaler R.S.S., Bera M.B., Nanda V.	221155	Journal of Food Science and Technology	56	7	0	0	0	2	2	1	5	0	5
2019	Multi-level clustering protocol for load-balanced and scalable clustering in large-scale wireless sensor networks	Singh H., Singh D.	9208542	Journal of Supercomputing	75	7	0	0	0	2	1	3	6	0	6
2019	Grasshopper optimization algorithm-based approach for the optimization of ensemble classifier and feature selection to classify epileptic EEG signals	Singh G., Singh B., Kaur M.	1400118	Medical and Biological Engineering and Computing	57	6	0	0	0	4	4	7	15	0	15
2019	Evaluation of RGB cube calibration framework and effect of calibration charts on color measurement of mozzarella cheese	Minz P.S., Saini C.S.	21934126	Journal of Food Measurement and Characterization	13	2	0	0	0	0	3	1	4	0	4
2019	Effect of nutraceuticals (beta-glucan concentrate, flaxseed lignan concentrate and gamma oryzanol concentrate) on nutritional, textural, pasting, thermal, structural and morphological properties of corn and rice flour blend based RTE extrudates	Kour J., Singh S., Saxena D.C.	21934126	Journal of Food Measurement and Characterization	13	2	0	0	1	2	4	0	7	0	7
2019	Optical Properties Simulation of Magneto-Plasmonic Alloys Nanostructures	Bhatia P., Verma S.S., Sinha M.M.	15571955	Plasmonics	14	3	0	0	2	3	3	3	11	0	11
2019	Track-based analysis for profile generation on globoidal cam in automatic tool changer of CNC machining center	Verma K., Belokar R.M., Verma V.K., Ntalianis K.	1445154	Assembly Automation	39	2	0	0	0	1	2	3	6	0	6
2019	Performance comparison of classifiers for bilingual gurmukhi-roman online handwriting recognition system	Singh G., Sachan M.K.	22498958	International Journal of Engineering and Advanced Technology	8	5	0	0	0	0	2	0	2	0	2
2019	Development of optimal eighth order derivative-free methods for multiple roots of nonlinear equations	Sharma J.R., Kumar S., Argyros I.K.	20738994	Symmetry	11	6	0	0	0	2	1	3	6	1	7
2019	On a Bi-Parametric family of fourth order composite Newton-Jarratt methods for nonlinear systems	Sharma J.R., Kumar D., Argyros I.K., Magrenan A.A.	22277390	Mathematics	7	6	0	0	2	0	0	0	2	0	2
2019	An efficient class of Traub-Steffensen-type methods for computing multiple zeros	Kumar D., Sharma J.R., Cesarano C.	20751680	Axioms	8	2	0	0	1	3	0	2	6	0	6

2019	Optimization of process parameters and estimation of kinetic parameters for lactic acid production by Lactobacillus casei MTCC 1423	Thakur A., Panesar P.S., Saini M.S.	21906815	Biomass Conversion and Biorefinery	9	2	0	0	0	1	5	4	10	0	10
2019	Dynamic task scheduling using balanced VM allocation policy for fog computing platforms	Singh S.P., Nayyar A., Kaur H., Singla A.	18951767	Scalable Computing	20	2	0	0	4	13	9	8	34	0	34
2019	Impact Toughness, Fatigue Crack Growth and Corrosion Behavior of Thermally Aged UNS S32205 Duplex Stainless Steel	Singh J., Shahi A.S.	9722815	Transactions of the Indian Institute of Metals	72	6	0	0	0	1	3	0	4	0	4
2019	Triple band fractal antenna for radio navigation and fixed satellite services using dragonfly optimization	Kumar A., Pharwaha A.P.S.	21190275	Advanced Electromagnetics	8	3	0	0	2	2	2	1	7	0	7
2019	Structural effect on the central cavity of a pendent 12N3 macrocycle on bonding and photophysical properties of Eu 3+ and Tb 3+ complexes: Experimental and theoretical study	Rohini, Baral M., Kanungo B.K.	222860	Journal of Molecular Structure	1184		0	0	0	1	2	0	3	0	3
2019	Effect of composition, granular morphology and crystalline structure on the pasting, textural, thermal and sensory characteristics of traditional rice cultivars	Bhat F.M., Riar C.S.	3088146	Food Chemistry	280		0	0	1	2	8	10	21	0	21
2019	Design of a Broadband Fractal Antenna for Spectrum Sensing in Cognitive Radio	Aggarwal M., Singh Pharwaha A.P.		2019 6th International Conference on Signal Processing and Integrated Networks, SPIN 2019			0	0	0	0	0	0	0	0	0
2019	An Optimal Multiband Compact Modified Crinkle Fractal Antenna for Wireless Applications	Kumar A., Pharwaha A.P.S.		2019 6th International Conference on Signal Processing and Integrated Networks, SPIN 2019			0	0	0	1	0	2	3	0	3
2019	SAR Analysis of Antenna Implanted Inside Homogeneous Human Tissue Phantom	Kumar R., Solanki L.S., Singh S.		2019 6th International Conference on Signal Processing and Integrated Networks, SPIN 2019			0	0	0	0	1	1	2	0	2

2019	Design of Bulk Micro-Machined Patch Antenna Arrays for Earth Exploration Satellite Services	Kumar A., Singh A.P.		2019 6th International Conference on Signal Processing and Integrated Networks, SPIN 2019				0	0	0	0	1	0	1	0	1
2019	On the Design of Wideband Sierpinski Carpet Fractal Antenna for Radio Navigation and Fixed Satellite Services	Kumar A., Singh Pharwaha A.P.		2019 6th International Conference on Signal Processing and Integrated Networks, SPIN 2019				0	0	1	1	1	1	4	0	4
2019	Miniature Archimedean Spiral PIFA Antennas for Biomedical Implantable Devices	Kumar R., Solanki L.S., Singh S.		2019 6th International Conference on Signal Processing and Integrated Networks, SPIN 2019				0	0	0	0	1	2	3	0	3
2019	Experimental and theoretical studies on structure, bonding and luminescence properties of Eu(III) and Tb(III) complexes of a new macrocyclic based 8HQ ligand	Rohini, Baral M., Kanungo B.K.	958972	Journal of Coordination Chemistry	72	9	0	0	0	0	3	2	5	1	6	
2019	Photon Interaction Parameters Investigations for Some ZnO–Al <sub>2</sub> O <sub>3</sub> –Fe <sub>2</sub> O <sub>3</sub> –P <sub>2</sub> O <sub>5</sub> Glasses at 59.4 keV Incident Photon Energy	Randev Singh, Singh D., Singh A., Dhaliwal A.S.	10876596	Glass Physics and Chemistry	45	3	0	0	0	1	1	0	2	0	2	

2019	HERA	Aggarwal R., Aushev V., Behnke O., Behrens U., Bertolin A., Bloch I., Brock I., Brook N.H., Brugnera R., Bruni A., Bussey P.J., Caldwell A., Capua M., Catterall C.D., Chwastowski J., Ciborowski J., Ciesielski R., Cooper-Sarkar A.M., Corradi M., Dementiev R.K., Dusini S., Ferrando J., Foster B., Gallo E., Gangadharan D., Garfagnini A., Geiser A., Gladiilin L.K., Golubkov Y.A., Grzelak G., Gwenlan C., Hochman D., Jomhari N.Z., Kadenko I., Kananov S., Karshon U., Kaur P., Klanner R., Klein U., Korzhavina I.A., Kovalchuk N., Kowalski H., Kuprash O., Kuze M., Levchenko B.B., Levy A., Lohr B., Lohrmann E., Longhin A., Lukina O.Y., Makarenko I., Malka J.,	11266708	Journal of High Energy Physics	2019	5	0	0	3	0	1	1	5	0	5
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2019	Limits on contact interactions and leptokuarks at HERA	Adamczyk L., Adamus M., Aggarwal R., Antonelli S., Aushev V., Behnke O., Behrens U., Bertolin A., Bloch I., Brock I., Brook N.H., Brugnera R., Bruni A., Bussey P.J., Caldwell A., Capua M., Catterall C.D., Chwastowski J., Ciborowski J., Ciesielski R., Cooper-Sarkar A.M., Corradi M., Dementiev R.K., Devenish R.C.E., Dusini S., Ferrando J., Foster B., Gallo E., Garfagnini A., Geiser A., Gizhko A., Gladilin L.K., Golubkov Y.A., Grzelak G., Gwenlan C., Hlushchenko O., Hochman D., Ibrahim Z.A., Iga Y., Jomhari N.Z., Kadenko I., Kananov S., Karshon U., Kaur P., Kisielewska D., Klanner R., Klein U., Korzhavina I.A., Kotanski A., Kovalchuk N., Kowalski	24700010	Physical Review D	99	9	0	0	3	1	5	4	13	0	13
2019	A triband slotted bow-tie wideband THz antenna design using graphene for wireless applications	Bansal G., marwaha A., Singh A., Bala R., marwaha S.	304026	Optik	185		0	0	0	5	4	5	14	1	15
2019	Storage stability determination of calorie deficit gluten-free biscuit: Taguchi concern	Singh A., Kumar P.	1458892	Journal of Food Processing and Preservation	43	5	0	0	0	1	1	2	4	0	4
2019	Development and characterization of biodegradable films from whey protein concentrate, psyllium husk and oxidized, crosslinked, dual-modified lotus rhizome starch composite	Sukhija S., Singh S., Riar C.S.	225142	Journal of the Science of Food and Agriculture	99	7	0	0	1	2	5	3	11	0	11
2019	Distribution transformer failure modes, effects and criticality analysis (FMECA)	Singh J., Singh S., Singh A.	13506307	Engineering Failure Analysis	99		0	0	3	9	12	9	33	0	33
2019	l(+)-Lactic Acid Production by Immobilized Lactobacillus casei Using Low Cost Agro-Industrial Waste as Carbon and Nitrogen Sources	Thakur A., Panesar P.S., Saini M.S.	18772641	Waste and Biomass Valorization	10	5	0	0	1	6	4	9	20	0	20

2019	Plasmon enhanced light trapping in thin film GaAs solar cells by Al nanoparticle array	Singh G., Verma S.S.	3759601	Physics Letters, Section A: General, Atomic and Solid State Physics	383	13	0	0	4	15	9	10	38	0	38
2019	Hybridization of feature selection and feature weighting for high dimensional data	Singh D., Singh B.	0924669X	Applied Intelligence	49	4	0	0	1	6	6	7	20	0	20
2019	A Survey Study of Different RF Energy Sources for RF Energy Harvesting	Sidhu R.K., Singh Ubhi J., Aggarwal A.		2019 International Conference on Automation, Computational and Technology Management, ICACTM 2019			0	0	1	7	9	12	29	0	29
2019	A study of Conventional Protocols applicable to the emerging IoT Systems and Devices	Kalsi J.S., Singh Ubhi J.		2019 International Conference on Automation, Computational and Technology Management, ICACTM 2019			0	0	0	0	0	0	0	0	0
2019	Design approach of solid-core photonic crystal fiber sensor with sensing ring for blood component detection	Kaur V., Singh S.	19342608	Journal of Nanophotonics	13	2	0	0	0	7	7	15	29	0	29
2019	Numerical inverse laplace transform for solving a class of fractional differential equations	Rani D., Mishra V., Cattani C.	20738994	Symmetry	11	4	0	0	2	3	3	4	12	0	12
2019	An efficient class of traub-steffensen-like seventh order multiple-root solvers with applications	Sharma J.R., Kumar D., Argyros I.K.	20738994	Symmetry	11	4	0	0	1	1	1	1	4	0	4
2019	Photocatalytic degradation of monocrotophos using TiO2 photocatalyst: Identification of intermediates by chromatographic techniques and reaction pathway	Kaur P., Bansal P., Sud D.	19443994	Desalination and Water Treatment	148		0	0	0	0	0	0	0	0	0
2019	A new method to generate artificial microstructure of dual phase steel using Teacher-Learner Based Optimization	Verma A., Saxena R.K.	2562499	Sadhana - Academy Proceedings in Engineering Sciences	44	4	0	0	0	0	0	0	0	0	0
2019	Valorization of deoiled rice bran by development and process optimization of extrudates	Sharma R., Srivastava T., Saxena D.C.	18818366	Engineering in Agriculture, Environment and Food	12	2	0	0	1	1	2	1	5	0	5



2019	Application of agro-residues-based activated carbon as adsorbents for phenol sequestration from aqueous streams: A review	Jha P.		Re-Use and Recycling of Materials: Solid Waste Management and Water Treatment												0	0	1	0	0	0	1	0	1
2019	A comparative study on experimental and response surface optimization of lactic acid synergistic extraction using green emulsion liquid membrane	Kumar A., Thakur A., Panesar P.S.	13835866	Separation and Purification Technology	211											0	0	4	7	8	4	23	0	23
2019	A review on emulsion liquid membrane (ELM) for the treatment of various industrial effluent streams	Kumar A., Thakur A., Panesar P.S.	15691705	Reviews in Environmental Science and Biotechnology	18	1										0	0	3	6	20	25	54	1	55
2019	A dual-channel surface plasmon resonance biosensor based on a photonic crystal fiber for multianalyte sensing	Kaur V., Singh S.	15698025	Journal of Computational Electronics	18	1										0	0	4	11	12	18	45	0	45
2019	Influence of alkali treatment on physicochemical, pasting, morphological and structural properties of mango kernel starches derived from Indian cultivars	Bharti I., Singh S., Saxena D.C.	1418130	International Journal of Biological Macromolecules	125											0	0	2	1	8	2	13	0	13
2019	Moisture sorption isotherms and quality characteristics of onion powder during storage as affected by sprouting	Majid I., Hussain S., Nanda V.	21934126	Journal of Food Measurement and Characterization	13	1										0	0	0	0	3	0	3	0	3
2019	Heat treatment of sunflower protein isolates near isoelectric point: Effect on rheological and structural properties	Malik M.A., Saini C.S.	3088146	Food Chemistry	276											0	0	0	6	8	13	27	0	27
2019	Semi-interpenetrating networks of biopolymer chitosan/acrylic acid and thiourea hydrogels: synthesis, characterization and their potential for removal of cadmium	Bhullar N.K., Kumari K., Sud D.	10261265	Iranian Polymer Journal (English Edition)	28	3										0	0	0	2	4	1	7	0	7
2019	An Experimental Study of Ion Motion Optimization for Constraint Economic Load Dispatch Problem	Kumar M., Dhillon J.S.		2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018												0	0	0	0	0	0	0	0	0
2019	Value addition of kinnow industry byproducts for the preparation of fiber enriched extruded products	Singla G., Krishania M., Sandhu P.P., Sangwan R.S., Panesar P.S.	221155	Journal of Food Science and Technology	56	3										0	0	0	1	2	3	6	0	6

2019	Physical and chemical characteristics of different cultivars of Indian gooseberry ( <i>Emblca officinalis</i> )	Tewari R., Kumar V., Sharma H.K.	221155	Journal of Food Science and Technology	56	3	0	0	1	1	2	6	10	0	10
2019	Optimization of ozone bleaching conditions for improving wheat straw pulp quality using response surface methodology	Tripathi S.K., Bhardwaj N.K., Roy Ghatak H.	1919512	Ozone: Science and Engineering	41	2	0	1	3	5	2	2	13	0	13
2019	Next-generation Internet of things and cloud security solutions	Verma V.K., Ntalianis K., Moreno C.M., Yang C.-T.	15501329	International Journal of Distributed Sensor Networks	15	3	0	0	0	0	1	5	6	0	6
2019	Design of titanium nitride coated PCF-SPR sensor for liquid sensing applications	Kaur V., Singh S.	10685200	Optical Fiber Technology	48		0	0	5	24	20	26	75	0	75
2019	Role of Signal Processing, Modeling and Decision Making in the Diagnosis of Rolling Element Bearing Defect: A Review	Kumar A., Kumar R.	1959298	Journal of Nondestructive Evaluation	38	1	0	0	3	11	19	19	52	0	52
2019	Extraction of hexavalent chromium by environmentally benign green emulsion liquid membrane using tridodecylamine as an extractant	Kumar A., Thakur A., Panesar P.S.	1226086X	Journal of Industrial and Engineering Chemistry	70		0	0	7	6	14	11	38	0	38
2019	Convergence analysis of weighted-Newton methods of optimal eighth order in Banach spaces	Sharma J.R., Argyros I.K., Kumar S.	22277390	Mathematics	7	2	0	0	0	1	0	0	1	0	1
2019	Ameliorated grey wolf optimization for economic load dispatch problem	Singh D., Dhillon J.S.	3605442	Energy	169		0	0	8	20	25	30	83	0	83
2019	Maximal coverage hybrid search algorithm for deployment in wireless sensor networks	Panag T.S., Dhillon J.S.	10220038	Wireless Networks	25	2	0	0	0	4	5	4	13	0	13
2019	Pharmacology and toxicology of nepeta cataria (catmint) species of genus nepeta: A review	Sharma A., Nayik G.A., Cannoo D.S.		Plant and Human Health: Pharmacology and Therapeutic Uses	3		0	0	0	3	2	7	12	0	12
2019	Performance analysis of mobile nodes in mobile ad-hoc networks using enhanced manhattan mobility model	Kour S., Ubhi J.S.	224456	Journal of Scientific and Industrial Research	78	2	0	0	0	2	0	1	3	0	3
2019	Statistical modeling of $\beta$ -galactosidase production from novel yeast isolate using cheese whey	Kumari S., Panesar P.S., Kaur R., Bera M.B.	224456	Journal of Scientific and Industrial Research	78	2	0	0	1	2	2	0	5	0	5
2019	Biocomposite edible coatings based on cross linked-sesame protein and mango puree for the shelf life stability of fresh-cut mango fruit	Sharma L., Saini C.S., Sharma H.K., Sandhu K.S.	1458876	Journal of Food Process Engineering	42	1	0	0	0	7	6	6	19	0	19

2019	On the design of planar antenna using Fibonacci word fractal geometry in support of public safety	Singh G., Singh A.P.	10964290	International Journal of RF and Microwave Computer-Aided Engineering	29	2	0	0	7	6	7	2	22	0	22
2019	Modelling and evaluation of the hunting behaviour of a high-speed railway vehicle on curved track	Kumar V., Rastogi V., Pathak P.M.	9544097	Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit	233	2	0	0	0	2	2	2	6	0	6
2019	Effect of pH and holding time on the characteristics of protein isolates from Chenopodium seeds and study of their amino acid profile and scoring	Mir N.A., Riar C.S., Singh S.	3088146	Food Chemistry	272		0	0	3	9	18	24	54	1	55
2019	Novel Green Synthesis and Characterization of the Antioxidant Activity of Silver Nanoparticles Prepared from Nepeta leucophylla Root Extract	Singh J., Dhaliwal A.S.	32719	Analytical Letters	52	2	0	1	4	8	13	15	41	0	41
2019	Experimental investigation on surface characteristics in Electrical Discharge Surface Grinding (EDSG) of 6061Al/Al 2 O 3 p 10% composite	Choudhary R., kumar H., Singh S.	2374068X	Advances in Materials and Processing Technologies	5	1	0	0	1	4	0	1	6	0	6
2019	Analytic solution of a diffusion dispersion model of packed bed of finite thickness	Kumar J., Kukreja V.K.	9720502	Journal of Interdisciplinary Mathematics	22	1	0	0	0	0	0	0	0	0	0
2019	On the Design and Analysis of I-Shaped Fractal Antenna for Emergency Management	Kakkar S., Kamal T.S., Singh A.P.	3772063	IETE Journal of Research	65	1	0	0	2	7	4	5	18	0	18
2019	Influence of AA-GTA Welding on the Weld Metal Penetration	Majid M., Shrivastava A.	20780958	Lecture Notes in Engineering and Computer Science	2240		0	0	0	0	0	0	0	0	0
2019	Effects of Electromagnetic Field Intensity on Gas Metal Welding Arc in Stainless Steel Cladding Overlays	Gill J.S., Shahi A.S.	20780958	Lecture Notes in Engineering and Computer Science	2240		0	0	0	0	0	0	0	0	0
2019	Propagation Delay Comparison between Single-Walled CNT Bundle and Multi-Layered GNR for Global VLSI Interconnects	Das P.K.	20780958	Lecture Notes in Engineering and Computer Science	2240		0	0	0	0	0	0	0	0	0
2019	Comparative Study of Dual Fuel Downdraft Gasifier by using Agriculture Wastes as a Fuel for Power	Singh I.	20780958	Lecture Notes in Engineering and Computer Science	2240		0	0	0	0	0	0	0	0	0
2019	DC motor drives	Singh S.		Modeling, Simulation and Control of Electrical Drives			0	0	0	0	0	1	1	0	1

2019	Synthesis and processing of polymers with supercritical fluids	Prakash N., Rai A.		AIChE Annual Meeting, Conference Proceedings	2019-										0	0	0	0	0	0	0	0	
2019	Propylene polymerization: Process modelling and simulation	Prakash N.		AIChE Annual Meeting, Conference Proceedings	2019-										0	0	0	0	0	0	0	0	
2019	Evaluation of high temperature oxidation performance of bare and coated T91 steel	Kumar M., Mudgal D., Ahuja L.	22147853	Materials Today: Proceedings	28										0	0	0	0	1	2	3	1	4
2019	High temperature corrosion performance of ceria doped Cr3C2-NiCr coated superalloys under actual medical waste atmosphere	Ahuja L., Mudgal D.	22147853	Materials Today: Proceedings	28										0	0	0	0	1	3	4	0	4
2019	Finite element simulation of stress corrosion cracking in austenitic stainless steel using modified Lemaitre damage model	Jasra Y., Singhal S., Upman R., Saxena R.K.	22147853	Materials Today: Proceedings	26										0	0	0	0	4	3	7	0	7
2019	An examination of mechanical properties of dissimilar AISI 304 stainless steel and copper weldment obtained using GTAW	Singh G., Saxena R.K., Pandey S.	22147853	Materials Today: Proceedings	26										0	0	0	0	4	3	7	0	7
2019	Multi response optimization of CNC end milling of AISI H11 alloy steel for rough and finish machining using TGRA	Singh P.K., Saini P., Kumar D.	22147853	Materials Today: Proceedings	26										0	0	0	1	4	7	12	0	12
2019	Assessment of creep in composite disc having exponential, hyperbolic and uniform thickness profiles	Singh R., Saxena R.K., Khanna K., Gupta V.K.	22147853	Materials Today: Proceedings	26										0	0	0	0	0	0	0	0	0
2019	Optimization of surface roughness and hole diameter accuracy in drilling of EN-31 alloy steel - A TGRA based analysis	Singh P.K., Kumar K., Saini P.	22147853	Materials Today: Proceedings	26										0	0	0	0	3	4	7	0	7
2019	Analysis of joint overlap during friction spin welding of plastics	Bindal T., Saxena R.K., Pandey S.	22147853	Materials Today: Proceedings	26										0	0	0	0	1	4	5	0	5
2019	Prevention of flooding attacks in mobile ad hoc networks	Kaur G., Jain V.K., Chaba Y.	23674512	Lecture Notes on Data Engineering and Communications Technologies	27										0	0	0	0	0	0	0	0	0
2019	Solving linear fractional order differential equations by chebyshev polynomials based numerical inverse laplace transform	Rani D., Mishra V.	20413165	Mathematics in Engineering, Science and Aerospace	10	4									0	0	0	6	2	1	9	1	10
2019	Some new harmonic mappings convex in one direction and their convolution	Singla C., Gupta S., Singh S.	3545180	Filomat	33	19									0	0	0	0	1	1	2	0	2

2019	Recent advances in applications of supported ionic liquids	Kaur P., Chopra H.K.	13852728	Current Organic Chemistry	23	26	0	0	0	7	4	6	17	1	18
2019	Investigation of tribological behaviour of Al-4032 based metal matrix composite using taguchi's optimization approach	Kumar D., Singh P.K.	22147853	Materials Today: Proceedings	18		0	0	0	0	3	4	7	0	7
2019	Microstructural and Mechanical Characterization of Al-4032 based Metal Matrix Composites	Kumar D., Singh P.K.	22147853	Materials Today: Proceedings	18		0	0	0	3	7	10	20	0	20
2019	Modelling creep response of a functionally graded rotating disc with exponential reinforcement gradient	Singh R., Saxena R.K., Khanna K., Gupta V.K.	22147853	Materials Today: Proceedings	18		0	0	1	0	0	0	1	0	1
2019	Design and analysis of combined radial and axial flux permanent magnet synchronous motor for torque profile improvement	Singh G., Marwaha S., Arora A.S.	18234690	Journal of Engineering Science and Technology	14	6	0	0	0	0	0	0	0	0	0
2019	Arduino based economic and real time consumption rate computing	Kumar S., Kumar S.	23323353	Universal Journal of Mechanical Engineering	7	6	0	0	0	0	0	0	0	0	0
2019	Modified atomic number dependence of total bremsstrahlung spectra in compounds	Sharma S.J., Singh T., Singh D., Singh A., Dhaliwal A.S.	13000101	Turkish Journal of Physics	43	4	0	0	0	0	0	0	0	0	0
2019	On the design of a novel fractal antenna for spectrum sensing in cognitive radio	Aggarwal M., Pharwaha A.P.S.	10544887	Applied Computational Electromagnetics Society Journal	34	9	0	0	0	0	0	0	0	0	0
2019	Indigenous products of the indian subcontinent containing cereals and dairy: From tradition to commercialization	Rasane P., Singhal S., Kaur S., Singh J., Sarma C.	15734013	Current Nutrition and Food Science	15	6	0	0	0	0	1	0	1	0	1
2019	On the development of a modified triangular patch antenna array for 4.9 GHz public safety WLAN	Singh G., Singh A.P.	21190275	Advanced Electromagnetics	8	4	0	0	0	1	1	2	4	0	4
2019	Mechanical properties of stoichiometrically developed Al-Cu-Mg cast alloy under controlled environment	Kumar R., Sahni V.	9707077	Asian Journal of Chemistry	31	9	0	0	0	0	0	0	0	0	0
2019	Analysis of cross phase modulation in fiber Raman amplifiers for broadband optical communications system	Singh S., Bindal A., Singh S., Ngo Q.M., Malekmohammadi A.	18426573	Optoelectronics and Advanced Materials, Rapid Communications	13	5-6	0	0	0	0	0	0	0	0	0
2019	Reconstruction of optical pulse intensity and phase based on SPM spectra measurements in microstructured tellurite fiber in telecommunication range	Anashkina E.A., Koptev M.Y., Andrianov A.V., Dorofeev V.V., Singh S., Lovkesh, Leuchs G., Kim A.V.	7338724	Journal of Lightwave Technology	37	17	0	0	4	4	0	1	9	0	9

2019	One-point optimal family of multiple root solvers of second-order	Kumar D., Sharma J.R., Cesarano C.	22277390	Mathematics	7	7	0	0	0	1	0	0	1	0	1
2019	Manufacturing excellence through total productive maintenance implementation in an Indian industry: A case study	Hooda A., Gupta P.	22496890	International Journal of Mechanical and Production Engineering Research and Development	9	3	0	0	0	0	0	5	5	0	5
2019	Phytochemical Screening and Antioxidant Activity Study of Methanol Extract of Stems and Roots of Codonopsis clematidea from Trans-himalayan Region	Bhardwaj P., Thakur M.S., Kapoor S., Bhardwaj A.K., Sharma A., Saxena S., Chaurasia O.P., Kumar R.	9753575	Pharmacognosy Journal	11	3	0	0	0	1	5	2	8	0	8
2019	Improvement in selectivity of ozone bleaching using DTPA as carbohydrate protector for wheat straw pulp	Tripathi S.K., Bhardwaj N.K., Ghatak H.R.	2832631	Nordic Pulp and Paper Research Journal			0	0	0	4	1	3	8	0	8
2019	Peroxidase as indicator enzyme of blanching in bottle gourd (Lagenaria siceraria): Changes in enzyme activity, color, and morphological properties during blanching	Bhat S., Saini C.S., Kumar M., Sharma H.K.	1458892	Journal of Food Processing and Preservation	43	8	0	0	0	0	3	2	5	0	5
2019	Effect of introducing ozone prior to elemental chlorine free bleaching of wheat straw pulp on pulp, paper and effluent properties	Tripathi S.K., Bhardwaj N.K., Ghatak H.R.	5769787	Cellulose Chemistry and Technology	53	1-2	0	0	0	7	1	2	10	0	10
2019	Hybrid intelligence based routing protocols in wireless sensor networks: A survey	Kumar D., Kaur T.	22103279	International Journal of Sensors, Wireless Communications and Control	9	1	0	0	0	0	0	0	0	0	0
2019	Enhancement in thermoelectric properties due to Ag nanoparticles incorporated in Bi <sub>2</sub> Te <sub>3</sub> matrix	Gupta S., Agarwal D.C., Sivaiah B., Amrithpandian S., Asokan K., Dhar A., Panigrahi B.K., Avasthi D.K., Gupta V.	21904286	Beilstein Journal of Nanotechnology	10		0	0	1	2	3	1	7	0	7
2019	Effect of moisture content on the physical and mechanical properties of quinoa seeds	Nadiya Jan K., Panesar P.S., Singh S.	2368722	International Journal of Agrophysics	33	1	0	0	1	1	5	4	11	0	11
2019	Computational intelligence-based energy efficient routing protocols with QoS assurance for Wireless Sensor Networks: A survey	Kaur T., Kumar D.	17411084	International Journal of Wireless and Mobile Computing	16	2	0	0	1	4	10	4	19	0	19

2019	Erosion wear evaluation of HVOF sprayed WC-12Co coating on some pipeline materials using Taguchi approach	Singh P., Bansal A., Kumar Goyal D.	0023432X	Kovove Materialy	57	2	0	0	1	5	5	2	13	0	13
2019	Separation of impulse from oscillation for detection of bearing defect in the vibration signal	Kumar A., Prakash R., Kumar R.	23636998	Applied Condition Monitoring	15		0	0	0	1	0	0	1	0	1
2019	Diagnosis of Malignant Pleural Mesothelioma Using KNN	Kaur M., Singh B.	23673370	Lecture Notes in Networks and Systems	46		0	0	0	0	1	0	1	0	1
2019	Design and optimization of slotted micro-machined patch antenna using composite substrate	Kumar A., Singh A.P.	10544887	Applied Computational Electromagnetics Society Journal	34	1	0	0	1	3	3	2	9	0	9
2019	A Hybrid Approach for Speckle Reduction in Ultrasound	Rawat N., Singh M., Singh B.	23673370	Lecture Notes in Networks and Systems	55		0	0	0	0	0	0	0	0	0
2019	Optimization of gluten free biscuit from foxtail, copra meal and amaranth	Ajay S., Pradyuman K.	1012061	Food Science and Technology (Brazil)	39	1	0	0	2	2	2	3	9	0	9
2019	Wavelet and Total Variation Based Method Using Adaptive Regularization for Speckle Noise Reduction in Ultrasound Images	Rawat N., Singh M., Singh B.	9296212	Wireless Personal Communications			0	0	0	2	2	6	10	0	10
2019	Synthesis and characterization of some useful thermoelectric materials	Singh J., Verma S.S.	9707077	Asian Journal of Chemistry	31	3	0	0	0	0	0	0	0	0	0
2019	Num Ant Factor Based Comprehensive Investigations over Linguistic Trust and Reputations Model in Mobile Sensor Networks	Verma V.K.	3029743	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	11005		0	0	0	0	0	0	0	0	0
2019	Evaluation of functional properties of extruded snacks developed from brown rice grits by using response surface methodology	Pardhi S.D., Singh B., Nayik G.A., Dar B.N.	1658077X	Journal of the Saudi Society of Agricultural Sciences	18	1	0	1	8	16	21	12	58	0	58
2019	Analysis of electroencephalogram for the recognition of epileptogenic area using ensemble empirical mode decomposition	Singh G., Singh B., Kaur M.	18761100	Lecture Notes in Electrical Engineering	524		0	0	0	1	0	0	1	0	1
2019	Impact of sprouting on the degradation kinetics of color and vitamin C of onion powder packaged in different packaging materials	Majid I., Hussain S., Nanda V.	1458892	Journal of Food Processing and Preservation	43	1	0	0	1	1	2	0	4	0	4

2019	Leakage reduction in full adder circuit using source biasing at 45 nm technology	Goyal C., Singh Ubhi J., Raj B.	18761100	Lecture Notes in Electrical Engineering	526		0	0	0	0	0	0	0	0	0
2019	Comparative analysis of standard 9T SRAM with the proposed low-power 9T SRAM	Singh B., Kumar M., Singh Ubhi J.	18761100	Lecture Notes in Electrical Engineering	526		0	0	0	1	1	2	4	0	4
2019	Design of photonic crystal fiber surface plasmon resonance sensor with external channel approach	Kaur V., Singh S.	21945357	Advances in Intelligent Systems and Computing	881		0	0	0	1	0	1	2	0	2
2018	Convergence ball and complex geometry of an iteration function of higher order	Kumar D., Argyros I.K., Sharma J.R.	22277390	Mathematics	7	1	0	0	1	1	0	0	2	0	2
2018	Comparative study of raw and germinated Chenopodium (Chenopodium album) flour on the basis of thermal, rheological, minerals, fatty acid profile and phytocomponents	Jan R., Saxena D.C., Singh S.	3088146	Food Chemistry	269		0	0	2	5	9	8	24	1	25
2018	On the Design of Osgood Curve Fractal Antenna for C-Band Applications	Singh G., Singh A.P.		2018 IEEE Indian Conference on Antennas and Propagation, InCAP 2018			0	0	1	0	0	0	1	0	1
2018	Design of Micro-Machined Reconfigurable Patch Antenna using MEMS Switch	Kumar A., Singh A.P.		2018 IEEE Indian Conference on Antennas and Propagation, InCAP 2018			0	0	0	0	0	1	1	0	1
2018	Design and analysis of distance error correction-based localization algorithm for wireless sensor networks	Prashar D., Jyoti K., Kumar D.	21615748	Transactions on Emerging Telecommunications Technologies	29	12	0	0	2	6	3	0	11	0	11
2018	Thermographic evaluation of mindfulness meditation using dynamic IR imaging	Singh J., Kumar S., Arora A.S.	13504495	Infrared Physics and Technology	95		0	0	3	1	1	1	6	0	6
2018	Improvement of functional properties of sunflower protein isolates near isoelectric point: Application of heat treatment	Malik M.A., Saini C.S.	236438	LWT	98		0	0	0	5	9	13	27	0	27
2018	Numerical inversion of Laplace transform based on Bernstein operational matrix	Rani D., Mishra V., Cattani C.	1704214	Mathematical Methods in the Applied Sciences	41	18	0	0	2	2	0	1	5	0	5
2018	A fast and efficient composite Newton–Chebyshev method for systems of nonlinear equations	Sharma J.R., Kumar D.	0885064X	Journal of Complexity	49		0	0	2	3	3	4	12	0	12
2018	Modelling of moisture sorption isotherms and glass transition temperature of spray-dried honey powder	Suhag Y., Nayik G.A., Nanda V.	21934126	Journal of Food Measurement and Characterization	12	4	0	0	1	3	1	1	6	0	6



2018	Composite control strategy for a PV-wind-diesel based off-grid power generation system supplying unbalanced non-linear loads	Rezkallah M., Chandra A., Saad M., Tremblay M., Smgh B., Singh S., Ibrahim H.		2018 IEEE Industry Applications Society Annual Meeting, IAS 2018			0	0	0	4	2	1	7	0	7		
2018	Processing of materials at cryogenic temperature and its implications in manufacturing: A review	Singla A.K., Singh J., Sharma V.S.	10426914	Materials and Manufacturing Processes			33	15	0	0	10	16	12	6	44	0	44
2018	Ball convergence of an efficient eighth order iterative method under weak conditions	Sharma J.R., Argyros I.K., Kumar S.	22277390	Mathematics			6	11	0	0	2	1	1	1	5	0	5
2018	Generalized Method for Stego Pixel Optimization Using Slide Value Algorithm	Singh S., Jain V.K.		2018 3rd International Conference for Convergence in Technology, I2CT 2018					0	0	0	1	0	0	1	0	1
2018	Message Dependent Steganography Using Variable Modulo Operation Technique	Singh S., Jain V.K., Singh A.		2018 3rd International Conference for Convergence in Technology, I2CT 2018					0	0	0	0	0	0	0	0	0
2018	A novel approach to predict mobility pattern of mobile nodes in mobile Ad-hoc networks	Kour S., Ubhi J.S.	224456	Journal of Scientific and Industrial Research			77	11	0	0	0	0	0	1	1	0	1
2018	Extraction solvent concentration affecting the anthocyanins and other phytochemicals profile and antioxidant properties of bran extracts of pigmented rice cultivars	Bhat F.M., Riar C.S.	10263098	Scientia Iranica			25	6C	0	0	0	1	0	0	1	0	1
2018	Effect of number of blades in ducted turbine system on kinetic energy extraction from chimney flue gases – benchmarking with wind energy system	Mann H.S., Singh P.K.	1738494X	Journal of Mechanical Science and Technology			32	11	0	0	0	2	3	0	5	0	5
2018	Adaptive network architecture and firefly algorithm for biogas heating model aided by photovoltaic thermal greenhouse system	Singh G., Jain V.K., Singh A.	0958305X	Energy and Environment			29	7	0	0	2	12	11	4	29	0	29
2018	Nutraceuticals from barley flour, flaxseed and rice bran oil—Extraction, chromatographic analysis, microbiological analysis and pesticide estimation	Kour J., Singh S., Chandra Saxena D.	1458892	Journal of Food Processing and Preservation			42	11	0	0	0	1	0	3	4	0	4

2018	Dynamic Changes in Health-Promoting Properties and Eating Quality During Off-Vine Ripening of Tomatoes	Siddiqui M.W., Lara I., Ilahy R., Tlili I., Ali A., Homa F., Prasad K., Deshi V., Lenucci M.S., Hider C.	15414337	Comprehensive Reviews in Food Science and Food Safety	17	6	0	0	1	1	3	2	7	0	7
2018	Synthesis, characterization and swelling behavior of silver nanoparticles containing superabsorbent based on grafted copolymer of polyacrylic acid/ Guar gum	Singh J., Dhaliwal A.S.	0042207X	Vacuum	157		0	0	6	12	11	9	38	0	38
2018	Effect of Intermetallic Compound Deposits on Wear Resistance and Microhardness on AISI 1020 Steel Substrate Using GTAW Process	Gill J.S., Dhiman S.S.	2261236X	MATEC Web of Conferences	221		0	0	0	0	0	1	1	0	1
2018	Characteristics of $\beta$ -glucan extracted from raw and germinated foxtail ( <i>Setaria italica</i> ) and kodo ( <i>Paspalum scrobiculatum</i> ) millets	Sharma S., Saxena D.C., Riar C.S.	1418130	International Journal of Biological Macromolecules	118		0	0	1	2	2	3	8	0	8
2018	Stability analysis of environmentally benign green emulsion liquid membrane	Kumar A., Thakur A., Panesar P.S.	1932691	Journal of Dispersion Science and Technology	39	10	0	0	6	1	5	8	20	0	20
2018	Qualitative analysis of microwave absorption for indium doped m-type hexagonal ferrite ( $Ba_{0.5}Sr_{0.5}Co_{0.5}In_{0.5}Fe_{12-2x}O_{19}$ ) in X-band	Bhatia H.K., Singh C., Marwaha A.		Proceedings - 2nd International Conference on Intelligent Circuits and Systems, ICICS 2018			0	0	0	0	0	0	0	0	0
2018	Contrast enhancement and pseudo coloring techniques for infrared thermal images	Kaur M., Singh M.		2018 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2018			0	0	0	0	0	1	1	0	1
2018	Improvement in pulp quality and effluent properties using methanol as carbohydrate protector during ozone bleaching of wheat straw pulp	Tripathi S.K., Bhardwaj N.K., Ghatak H.R.	10386807	Appita Journal	71	4	0	0	1	4	0	0	5	0	5
2018	Antioxidant and antimicrobial potential of selected varieties of piper betle L. (Betel leaf)	Sarma C., Rasane P., Kaur S., Singh J., Singh J., Gat Y., Garba U., Kaur D., Dhawan K.	13765	Anais da Academia Brasileira de Ciencias	90	4	0	0	0	7	9	10	26	0	26
2018	Effect of microwave treatment on dehydration kinetics and moisture diffusivity of Asiatic Himalayan black carrot	Haq R.-U., Kumar P., Prasad K.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	4	0	0	2	1	3	3	9	0	9

2018	Novel food packaging technologies: Innovations and future prospective	Majid I., Ahmad Nayik G., Mohammad Dar S., Nanda V.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	4	1	8	15	27	36	30	116	1	118
2018	Conditionally Negative Definite Functions	Kapil Y., Pal R., Aggarwal A., Singh M.	16605446	Mediterranean Journal of Mathematics	15	5	0	0	1	2	1	3	7	0	7
2018	Optimization of spray drying parameters for beetroot juice powder using response surface methodology (RSM)	Bazaria B., Kumar P.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	4	2	2	9	9	17	12	49	0	51
2018	Hybrid artificial algae algorithm for economic load dispatch	Kumar M., Dhillon J.S.	15684946	Applied Soft Computing Journal	71		0	0	7	8	16	28	59	0	59
2018	Citrus peel as a source of functional ingredient: A review	Rafiq S., Kaul R., Sofi S.A., Bashir N., Nazir F., Ahmad Nayik G.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	4	3	14	45	62	65	72	258	0	261
2018	An Efficient Watermarking for Protecting Signature Biometric Template	Chopra J., Kumar A., Aggarwal A.K., Marwaha A.		2018 5th International Conference on Signal Processing and Integrated Networks, SPIN 2018			0	0	0	1	0	0	1	0	1
2018	Additives to decrease cellulose chain scission during ozone bleaching of wheat straw pulp	Tripathi S.K., Bhardwaj N.K., Ghatak H.R.	2832631	Nordic Pulp and Paper Research Journal	33	3	0	1	2	3	3	0	9	0	9
2018	Control of DSTATCOM Using S-Transform	Kumar R., Singh B., Shahani D.T.		International Conference on Innovative Smart Grid Technologies, ISGT Asia 2018			0	0	0	1	1	1	3	0	3
2018	Synthesis, characterization and applications of some novel DMAP-based chiral ionic liquids	Singh A., Chopra H.K.	1677322	Journal of Molecular Liquids	266		0	0	2	4	5	2	13	0	13
2018	Newton-like methods with increasing order of convergence and their convergence analysis in Banach space	Sharma J.R., Argyros I.K., Kumar D.	22543902	SeMA Journal	75	3	0	0	1	0	0	0	1	0	1
2018	Optimization and production of turmeric extract-based nanoemulsion (TEBN) and its application in preservation of fatty fish fillet	Foujdar R., Chopra H.K., Bera M.B.	1458892	Journal of Food Processing and Preservation	42	9	0	0	0	6	0	2	8	0	8
2018	Modeling and desirability approach-based multi-response optimization of WEDM parameters in machining of aluminum metal matrix composite	Kumar H., Manna A., Kumar R.	16785878	Journal of the Brazilian Society of Mechanical Sciences and Engineering	40	9	0	0	9	3	4	4	20	0	20

2018	Elucidation of microwave absorption mechanisms in Co–Ga substituted Ba–Sr hexaferrites in X-band	Kaur H., Singh C., Marwaha A., Narang S.B., Jotania R., Mishra S.R., Bai Y., Raju K.C.J., Singh D., Ghimire M., Dhruv P., Sombra A.S.B.	9574522	Journal of Materials Science: Materials in Electronics	29	17	0	0	3	7	4	7	21	1	22
2018	Unit commitment considering dual-mode combined heat and power generating units using integrated optimization technique	Anand H., Narang N., Dhillon J.S.	1968904	Energy Conversion and Management	171		0	0	4	6	9	4	23	0	23
2018	Algorithm for automatic calibration of color vision system in foods	Minz P.S., Sawhney I.K., Saini C.S.	21934126	Journal of Food Measurement and Characterization	12	3	0	0	0	2	1	1	4	0	4
2018	Effect of parboiling and puffing processes on the physicochemical, functional, optical, pasting, thermal, textural and structural properties of selected Indica rice	Kumar S., Prasad K.	21934126	Journal of Food Measurement and Characterization	12	3	0	0	0	1	2	3	6	0	6
2018	Dynamic analysis of vehicle–track interaction due to wheel flat using bond graph	Kumar V., Rastogi V., Pathak P.M.	14644193	Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics	232	3	0	2	0	2	0	1	5	0	5
2018	Optical metrology of ultrashort pulses based on self-phase modulated spectra measurements	Anashkina E.A., Andrianov A.V., Koptev M.Y., Singh S., Kim A.V.		Proceedings - International Conference Laser Optics 2018, ICLO 2018			0	0	0	0	0	0	0	0	0
2018	Low power 3-bit flash ADC design with leakage power reduction at 45 nm technology	Ubhi J.S., Tomar A., Kumar M.		8th International Conference on Information Science and Technology, ICIST 2018			0	0	0	0	0	0	0	0	0
2018	Analysis of copper tube sleeve coaxial spiral antenna for interstitial hepatic microwave ablation	Maini S., Shekhawat D.S.		8th International Conference on Information Science and Technology, ICIST 2018			0	0	0	0	2	0	2	0	2
2018	On the optimal design of fractal tuning stub UWB patch antenna with band-notched function	Singh Pharwaha A.P., Kakkar S., Singh Kamal T.		8th International Conference on Information Science and Technology, ICIST 2018			0	0	0	0	0	1	1	0	1

2018	Fault tolerance in cloud computing environment: A systematic survey	Hasan M., Goraya M.S.	1663615	Computers in Industry	99	0	1	8	11	15	12	47	0	47	
2018	Effect of weld cooling rates on mechanical and metallurgical properties of submerged arc welded pressure vessel steel	Arya H.K., Singh K., Saxena R.K.	949930	Journal of Pressure Vessel Technology, Transactions of the ASME	140	4	0	0	1	2	1	2	6	0	6
2018	Process development of bottle gourd sweetmeat by microwave heating: Changes in rheological, textural, sensory and morphological parameters	bhat S., Saini C.S., Sharma H.K.	22124292	Food Bioscience	24	0	0	0	0	1	3	4	0	4	
2018	Development of highly selective novel fluorescence quenching probe based on Bi2S3-TiO2 nanoparticles for sensing the Fe(III)	Syal A., Sud D.	9254005	Sensors and Actuators, B: Chemical	266	0	0	4	3	3	4	14	0	14	
2018	Rheological and structural properties of protein isolates extracted from dephenolized sunflower meal: Effect of high intensity ultrasound	Malik M.A., Saini C.S.	0268005X	Food Hydrocolloids	81	0	0	9	12	21	27	69	0	69	
2018	A binary differential evolution based memetic algorithm to solve profit based unit commitment problem	Dhaliwal J.S., Dhillon J.S.		8th IEEE Power India International Conference, PIICON 2018		0	0	0	2	3	0	5	0	5	
2018	Concentric Layered Architecture for Multi-Level Clustering in Large-Scale Wireless Sensor Networks	Singh H., Singh D.		ICSCCC 2018 - 1st International Conference on Secure Cyber Computing and Communications		0	0	1	1	0	0	2	0	2	
2018	Breast Cancer Detection Through Gabor Filter Based Texture Features Using Thermograms Images	Khan A.A., Arora A.S.		ICSCCC 2018 - 1st International Conference on Secure Cyber Computing and Communications		0	0	0	1	2	4	7	0	7	
2018	Power and Resource-Aware VM Placement in Cloud Environment	Garg N., Singh D., Goraya M.S.		Proceedings of the 8th International Advance Computing Conference, IACC 2018		0	0	1	2	3	5	11	0	11	
2018	Utilization of graphene oxide-based microwave absorber for pattern enhancement of patch antenna array	Rani S., Marwaha A., Marwaha S.	19342608	Journal of Nanophotonics	12	3	0	0	1	2	3	1	7	0	7

2018	A biopolymer-based composite hydrogel for rhodamine 6G dye removal: its synthesis, adsorption isotherms and kinetics	Bhullar N., Kumari K., Sud D.	10261265	Iranian Polymer Journal (English Edition)	27	7	0	0	6	5	8	7	26	1	27
2018	Rheological behavior of high altitude Indian honey varieties as affected by temperature	Nayik G.A., Dar B.N., Nanda V.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	3	0	3	1	1	6	2	13	1	14
2018	Optimization of antioxidant activity, textural and sensory characteristics of gluten-free cookies made from whole indian quinoa flour	Jan K.N., Panesar P.S., Singh S.	236438	LWT	93		0	0	5	9	12	16	42	0	42
2018	Studies on physico-chemical, functional, pasting and morphological characteristics of developed extra thin flaked rice	Kumar S., Haq R.-U., Prasad K.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	3	2	2	1	2	2	6	13	0	15
2018	Evaluation of physical properties and hydration kinetics of red lentil ( <i>Lens culinaris</i> ) at different processed levels and soaking temperatures	Maneesh Kumar M., Prasad K., Sarat Chandra T., Debnath S.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	3	0	2	4	5	6	5	22	0	22
2018	MWCNTs toward superior strength of epoxy adhesive joint on mild steel adherent	Kumar A., Kumar K., Ghosh P.K., Rathi A., Yadav K.L., Raman	13598368	Composites Part B: Engineering	143		0	0	7	7	5	12	31	0	31
2018	Cause Based Analysis of Power Quality Disturbances in a Three Phase System	Kumar R., Marwaha S., Kumar R.		2018 IEEMA Engineer Infinite Conference, eTechNxT 2018			0	0	0	1	1	1	3	0	3
2018	An efficient technique for solution of linear and nonlinear diffusion-dispersion models	Kaur S.P., Mittal A.K., Kukreja V.K., Parumasur N., Singh P.	0094243X	AIP Conference Proceedings	1975		0	0	0	0	1	1	2	0	2
2018	Efficient methods of optimal eighth and sixteenth order convergence for solving nonlinear equations	Sharma J.R., Kumar S.	22543902	SeMA Journal	75	2	0	0	1	1	0	2	4	0	4
2018	A novel family of weighted-Newton optimal eighth order methods with dynamics	Sharma R., Sharma J.R., Kalra N.	22543902	SeMA Journal	75	2	0	1	1	0	0	0	2	0	2
2018	Effect of cryogenic treatment on the wear resistance and microstructure of Ti-6AL-4V	Singla A.K., Singh J., Kumar P., Kumar A., Sharma V.S.	9714588	Indian Journal of Engineering and Materials Sciences	25	3	0	0	2	2	1	0	5	0	5
2018	Effect of particle and surface properties on flowability of rice flours	Jan S., Karde V., Ghoroi C., Saxena D.C.	22124292	Food Bioscience	23		0	0	3	1	2	7	13	0	13
2018	Utilization of agro-industrial residues for the production of $\beta$ -galactosidase using fungal isolate under solid state fermentation conditions	Kaur R., Panesar P.S., Singh R.S.	1393006	Acta Alimentaria	47	2	0	0	0	1	2	0	3	0	3

2018	Bianchi-III cosmological model with BVDP in modified f(R, T) theory	Mishra R.K., Dua H., Chand A.	0004640X	Astrophysics and Space Science	363	6	0	0	3	3	4	0	10	0	10
2018	Weld joint design and thermal aging influence on the metallurgical, sensitization and pitting corrosion behavior of AISI 304L stainless steel welds	Singh J., Shahi A.S.	15266125	Journal of Manufacturing Processes	33		0	0	5	5	5	7	22	0	22
2018	Particle Swarm Optimization-Based Unequal and Fault Tolerant Clustering Protocol for Wireless Sensor Networks	Kaur T., Kumar D.	1530437X	IEEE Sensors Journal	18	11	0	0	14	18	32	25	89	0	89
2018	Effect of addition of different levels of $\beta$ -glucan from minor millet on the functional, textural and sensory characteristics of cake premix and cake	Sharma S., Saxena D.C., Riar C.S.	21934126	Journal of Food Measurement and Characterization	12	2	0	0	0	0	1	0	1	0	1
2018	A Novel Face Liveness Detection Algorithm with Multiple Liveness Indicators	Singh M., Arora A.S.	9296212	Wireless Personal Communications	100	4	0	0	2	5	3	1	11	0	11
2018	Oscillatory behavior-based wavelet decomposition for the monitoring of bearing condition in centrifugal pumps	Kumar A., Kumar R.	13506501	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	232	6	0	1	1	3	2	10	17	1	18
2018	A hybrid WDM ring-tree topology delivering efficient utilization of bandwidth over resilient infrastructure	Singh S., Singh S.	1387974X	Photonic Network Communications	35	3	0	0	5	4	1	3	13	0	13
2018	Data proliferation based estimations over distribution factor in heterogeneous wireless sensor networks	Verma V.K., Ntalianis K., Singh S., Pathak N.P.	1403664	Computer Communications	124		0	0	0	0	1	5	6	0	6
2018	Postharvest biology and technology of apple	Gul K., Mir N.A., Singh P., Wani A.A.		Postharvest Biology and Technology of Temperate Fruits			0	0	1	0	1	0	2	0	2
2018	Parametric optimization of lactic acid production by immobilized Lactobacillus casei using box-Behnken design	Thakur A., Panesar P.S., Saini M.S.	3245853	Periodica Polytechnica Chemical Engineering	62	3	0	0	2	4	4	2	12	0	12
2018	Experimental and theoretical investigations on acid catalysed stereoselective synthesis of new indazolyl-thiazole derivatives	Gautam P., Gautam D., Chaudhary R.P.	222860	Journal of Molecular Structure	1160		0	0	4	1	3	1	9	0	9

2018	Design and performance analysis of high gain microstrip patch antennas employing leather substrates for earth exploration satellite applications	Kaur B., Sharma M., Rawat P., Mittal D., Kaur J., Singh D., Sidhu E.		Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017				0	0	0	0	0	0	0	0	0
2018	Performance analysis of effect of vibrations on solar panel conversion efficiency	Manu O., Verma J.K., Kalra P., Singh J., Kaur J., Bhatia H., Singh D., Sidhu E.		Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017			0	2	0	0	0	0	1	3	0	3
2018	Performance evaluation of microstrip patch antenna using plywood as substrate for fixed satellite and earth exploration applications	Rawat P., Sharma M., Kaur B., Mittal D., Singh D., Sidhu E.		Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017			0	0	0	0	1	0	1	0	1	
2018	Modified Binary Differential Evolution Algorithm to Solve Unit Commitment Problem	Dhaliwal J.S., Dhillon J.S.	15325008	Electric Power Components and Systems	46	8	0	1	2	4	4	5	16	0	16	
2018	Optimized size and period of Al nanoparticles for thin film GaAs solar cells	Singh G., Verma S.S.	0094243X	AIP Conference Proceedings	1953		0	0	2	2	2	0	6	0	6	
2018	Tunable plasmonic properties of Ag-Fe nanoparticles	Bhatia P., Verma S.S., Sinha M.M.	0094243X	AIP Conference Proceedings	1953		0	0	0	0	1	0	1	0	1	
2018	Phonon properties of iron-based superconductors	Gupta Y., Goyal M., Sinha M.M.	0094243X	AIP Conference Proceedings	1953		0	0	0	3	1	1	5	0	5	
2018	Study of interatomic interactions and phonons in magnesium chalcogenides	Gupta Y., Sinha M.M.	0094243X	AIP Conference Proceedings	1953		0	0	2	3	1	3	9	0	9	
2018	Efficient higher order derivative-free multipoint methods with and without memory for systems of nonlinear equations	Sharma J.R., Arora H.	207160	International Journal of Computer Mathematics	95	5	0	0	3	2	2	3	10	0	10	
2018	Efficiency estimation of all optical contension detection in optical router for 60 Gbps	Singh D., Singh S.		2018 3rd International Conference on Microwave and Photonics, ICMAP 2018	2018-		0	0	0	0	0	0	0	0	0	
2018	Facile synthesis of mesoporous carbon material from treated kitchen waste for energy applications	Kaur P., Singh S., Verma G.	21941459	Materials for Renewable and Sustainable Energy	7	2	0	1	3	0	0	4	8	0	8	



2018	Nutritional constituents of pseudo cereals and their potential use in food systems: A review	Mir N.A., Riar C.S., Singh S.	9242244	Trends in Food Science and Technology	75		0	3	8	8	12	24	55	1	56
2018	Design of Digital IIR Filter with Conflicting Objectives Using Hybrid Predator–Prey Optimization	Sidhu D.S., Dhillon J.S.	0278081X	Circuits, Systems, and Signal Processing	37	5	0	0	0	0	1	1	2	0	2
2018	Dual head static clustering algorithm for wireless sensor networks	Panag T.S., Dhillon J.S.	14348411	AEU - International Journal of Electronics and Communications	88		0	1	5	7	15	9	37	0	37
2018	Multiobjective thermal power load dispatch using adaptive predator–prey optimization	Singh N.J., Dhillon J.S., Kothari D.P.	15684946	Applied Soft Computing Journal	66		0	0	2	1	3	4	10	0	10
2018	Biocatalytic strategies in the production of galacto-oligosaccharides and its global status	Panesar P.S., Kaur R., Singh R.S., Kennedy J.F.	1418130	International Journal of Biological Macromolecules	111		0	3	5	11	8	7	34	0	34
2018	Design and Analysis of a New Class of Derivative-Free Optimal Order Methods for Nonlinear Equations	Sharma J.R., Argyros I.K., Kumar D.	2198762	International Journal of Computational Methods	15	3	0	0	1	2	0	0	3	0	3
2018	Composite film developed from the blends of sesame protein isolate and gum rosin and their properties thereof	Sharma L., Singh C.	2728397	Polymer Composites	39	5	0	0	2	8	2	2	14	0	14
2018	Hybrid Artificial Algae Algorithm for global optimization	Kumar M., Dhillon J.S.		Proceedings - 2017 3rd International Conference on Advances in Computing, Communication and Automation (Fall), ICACCA 2017	2018-		0	0	1	0	0	0	1	0	1
2018	A three-dimensional thermal finite element analysis of AISI 304 stainless steel and copper dissimilar weldment	Singh G., Saxena R.K., Pandey S.	0094243X	AIP Conference Proceedings	1943		0	0	0	0	0	1	1	0	1
2018	Lactic acid extraction using environmentally benign Green emulsion ionic liquid membrane	Kumar A., Thakur A., Panesar P.S.	9596526	Journal of Cleaner Production	181		0	2	15	6	11	11	45	0	45
2018	A comparative study to evaluate the corrosion performance of Zr incorporated Cr3C2-(NiCr) coating at 900 °C	Ahuja L., Mudgal D., Singh S., Prakash S.	2728842	Ceramics International	44	6	0	0	5	4	3	4	16	0	16
2018	Changes in the GABA and polyphenols contents of foxtail millet on germination and their relationship with in vitro antioxidant activity	Sharma S., Saxena D.C., Riar C.S.	3088146	Food Chemistry	245		0	2	9	6	11	16	44	1	45

2018	Corrosion performance of Cr3C2-NiCr+0.2%Zr coated super alloys under actual medical waste incinerator environment	Ahuja L., Mudgal D., Singh S., Prakash S.	17578981	IOP Conference Series: Materials Science and Engineering	330	1	0	0	0	0	0	0	0	0	0
2018	Fenugreek: A review on its nutraceutical properties and utilization in various food products	Wani S.A., Kumar P.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	2	8	11	26	38	46	59	180	1	189
2018	Statistical optimization of lactic acid extraction using Green Emulsion Ionic Liquid Membrane (GEILM)	Kumar A., Thakur A., Panesar P.S.	22133437	Journal of Environmental Chemical Engineering	6	2	0	0	8	4	6	4	22	0	22
2018	Non-interactive approach to solve multi-objective thermal power dispatch problem using composite search algorithm	Singh N.J., Dhillon J.S., Kothari D.P.	15684946	Applied Soft Computing Journal	65		0	1	0	2	3	1	7	0	7
2018	Profit based unit commitment using hybrid optimization technique	Anand H., Narang N., Dhillon J.S.	3605442	Energy	148		0	2	6	6	12	7	33	0	33
2018	Rheological, thermal, micro structural and functional properties of freeze dried onion powders as affected by sprouting	Majid I., Dar B.N., Nanda V.	22124292	Food Bioscience	22		0	1	2	4	5	1	13	0	13
2018	Low-temperature thermal degradation behaviour of non-wood soda lignins and spectroscopic analysis of residues	Reddy I.A.K., Ghatak H.R.	13886150	Journal of Thermal Analysis and Calorimetry	132	1	0	0	1	2	0	2	5	0	5
2018	Two-way Ranking Based Service Mapping in Cloud Environment	Yadav N., Goraya M.S.	0167739X	Future Generation Computer Systems	81		0	2	6	7	5	12	32	0	32
2018	Discrimination of high altitude Indian honey by chemometric approach according to their antioxidant properties and macro minerals	Nayik G.A., Suhag Y., Majid I., Nanda V.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	2	2	4	9	6	8	7	34	0	36
2018	Nutritional, antioxidant, microstructural and pasting properties of functional pasta	Gull A., Prasad K., Kumar P.	1658077X	Journal of the Saudi Society of Agricultural Sciences	17	2	2	2	9	12	12	14	49	0	51
2018	Physical, Mechanical, Morphological, and Barrier Properties of Elephant Foot Yam Starch, Whey Protein Concentrate and psyllium Husk Based Composite Biodegradable Films	Sukhija S., Singh S., Riar C.S.	2728397	Polymer Composites	39		0	0	2	3	3	6	14	0	14
2018	Adaptive artificial intelligence for automatic identification of defect in the angular contact bearing	Kumar A., Kumar R.	9410643	Neural Computing and Applications	29	8	0	0	2	6	8	6	22	0	22

2018	Effect of Ag Ion Implantation on SPR of Cu-C60 Nanocomposite Thin Film	Sharma P., Singhal R., Vishnoi R., Agarwal D.C., Banerjee M.K., Chand S., Kanjilal D., Avasthi D.K.	15571955	Plasmonics	13	2	1	1	5	1	0	3	10	0	11
2018	Multi-objective thermal power load dispatch using chaotic differential evolutionary algorithm and Powell's method	Singh N.J., Dhillon J.S., Kothari D.P.	14327643	Soft Computing	22	7	1	0	3	0	1	2	6	0	7
2018	Image encryption based on watermarking technique in fourier domain using pixel scrambling	Dahiya M., Sukhija S., Kumar D., Singh H.		2017 4th International Conference on Image Information Processing, ICIP 2017	2018-			0	0	0	0	0	0	0	0
2018	Optimization of parameters for supercritical extraction of watermelon seed oil	Rai A., Mohanty B., Bhargava R.	1496395	Separation Science and Technology (Philadelphia)	53	4	0	0	0	2	3	1	6	0	6
2018	Determination of Main Parameters Affecting Ozone Bleaching of Wheat Straw Pulp Using Plackett-Burman Design	Tripathi S.K., Bhardwaj N.K., Roy Ghatak H.	1919512	Ozone: Science and Engineering	40	2	0	2	6	7	0	0	15	0	15
2018	Local convergence of a Newton-Traub composition in Banach spaces	Sharma J.R., Argyros I.K.	22543902	SeMA Journal	75	1	0	0	0	3	6	3	12	0	12
2018	An approach for classification of malignant and benign microcalcification clusters	Singh B., Kaur M.	2562499	Sadhana - Academy Proceedings in Engineering Sciences	43	3	0	0	6	3	4	2	15	0	15
2018	Total phenolic content, antioxidant activity, and anthocyanin profile of sprouted onion powder	Majid I., Nanda V., Nanda V.	1393006	Acta Alimentaria	47	1	0	0	2	0	2	0	4	0	4
2018	Textural, in vitro antioxidant activity and sensory characteristics of cookies made from blends of wheat-quinoa grown in India	Jan K.N., Panesar P.S., Singh S.	1458892	Journal of Food Processing and Preservation	42	3	0	1	1	1	0	4	7	0	7
2018	Physicochemical and functional properties of gamma irradiated buckwheat and potato starch	Verma R., Jan S., Rani S., Jan K., Swer T.L., Prakash K.S., Dar M.Z., Bashir K.	0969806X	Radiation Physics and Chemistry	144		0	0	5	7	7	9	28	2	30
2018	Gluten free approach in fat and sugar amended biscuits: A healthy concern for obese and diabetic individuals	Singh A., Kumar P.	1458892	Journal of Food Processing and Preservation	42	3	0	2	5	1	2	2	12	0	12
2018	Modification of structure and physicochemical properties of buckwheat and oat starch by $\gamma$ -irradiation	Dar M.Z., Deepika K., Jan K., Swer T.L., Kumar P., Verma R., Verma K., Prakash K.S., Jan S., Bashir K.	1418130	International Journal of Biological Macromolecules	108		0	4	6	12	11	12	45	1	46

2018	Quenched and tempered steel welded with micro-alloyed based ferritic fillers	Sharma V., Shahi A.S.	9240136	Journal of Materials Processing Technology	253		0	3	0	4	1	3	11	0	11
2018	Thermal, structural and rheological characterization of protein isolate from sesame meal	Saini C.S., Sharma H.K., Sharma L.	21934126	Journal of Food Measurement and Characterization	12	1	0	0	1	0	2	2	5	0	5
2018	Absorption edge parameters of the LIII edge for compounds of Hg, Tl, Pb and Bi using EDXRF technique	Singh G., Singh A., Gupta M.K., Dhaliwal A.S., Kahlon K.S.	0969806X	Radiation Physics and Chemistry	144		0	0	1	0	0	2	3	0	3
2018	Extraction and in vitro antioxidant capacity evaluation of phenolic compounds from pigmented aromatic rice ( <i>Oryza sativa</i> L.) cultivars	Bhat F.M., Riar C.S.	21934126	Journal of Food Measurement and Characterization	12	1	0	0	0	1	1	0	2	0	2
2018	Effect of drumstick leaves powder on the rheological, micro-structural and physico-functional properties of sponge cake and batter	Premi M., Sharma H.K.	21934126	Journal of Food Measurement and Characterization	12	1	0	1	0	2	3	3	9	0	9
2018	Local convergence of Newton-HSS methods with positive definite Jacobian matrices under generalized conditions	Argyros I.K., Sharma J.R., Kumar D.	22543902	SeMA Journal	75	1	1	1	0	0	0	0	1	0	2
2018	Process optimization of lignin conversion into value added chemicals by thermochemical pretreatment and electrooxidation on a stainless steel anode	Singh S., Ghatak H.R.	183830	Holzforschung	72	3	0	0	1	3	4	1	9	0	9
2018	Carrots production, processing, and nutritional quality	Sharma H.K.		Handbook of Vegetables and Vegetable Processing: Second Edition	02-Feb		0	0	0	0	2	1	3	0	3
2018	Task Deadline-Aware Energy-Efficient Scheduling Model for a Virtualized Cloud	Garg N., Goraya M.S.	2193567X	Arabian Journal for Science and Engineering	43	2	0	2	3	3	3	5	16	0	16
2018	Edible films developed from carboxylic acid cross-linked sesame protein isolate: barrier, mechanical, thermal, crystalline and morphological properties	Sharma L., Sharma H.K., Saini C.S.	221155	Journal of Food Science and Technology	55	2	0	0	6	8	6	7	27	0	27
2018	Development of crosslinked sesame protein and pineapple extract-based bilayer coatings for shelf-life extension of fresh-cut pineapple	Sharma L., Singh Saini C., Sharma H.K.	1458892	Journal of Food Processing and Preservation	42	2	0	0	3	5	3	3	14	0	14



2018	Enhancing the abrasive wear resistance of rotary blade material (AISI 30MnCrB4) by cryogenic treatment	Singh T.P., Singh J., Singh K.	224456	Journal of Scientific and Industrial Research	77	2	0	0	1	1	0	0	2	0	2	
2018	Fracture toughness and fatigue behaviour of variably precipitated inconel 625/AISI 304L welds	Sandhu S.S., Shahi A.S.	23671181	Minerals, Metals and Materials Series	2018-		0	0	0	0	1	0	1	0	1	
2018	Pitting behavior of thermally aged inconel 625 weld claddings made using smaw and gmaw process	Shahi A.S., Sandhu S.S.	23671181	Minerals, Metals and Materials Series	2018-		0	0	0	0	1	0	1	0	1	
2018	Biodiesel production from waste cooking oil selecting a solid catalyst derived from activated coconut coir	Jha P., Sontakke A.	20563272	International Journal of Energy Production and Management		3	2	0	0	0	0	1	1	0	1	
2018	Effect of egg albumen, vegetable oil, corn bran, and cooking methods on quality characteristics of chicken nuggets using response surface methodology	Pathera A.K., Riar C.S., Yadav S., Singh P.K.	12258563	Korean Journal for Food Science of Animal Resources		38	5	0	0	1	0	2	0	3	0	3
2018	Dynamic Stress Analysis of L-1 Low Pressure Steam Turbine Blade: Mathematical Modelling and Finite Element Method	Bhagi L.K., Rastogi V., Gupta P., Pradhan S.	22147853	Materials Today: Proceedings		5	14	0	0	0	4	1	0	5	0	5
2018	Investigation of effect of wheel/track irregularities on the dynamic response of the railway track using bond graph	Kumar V., Rastogi V., Pathak P.M.	7359276	Simulation Series		50	12	0	0	0	0	0	0	0	0	0
2018	A hybrid control scheme for modeling and control of 1-dof flexible arm urm for welding applications	Kumar S., Rastogi V., Gupta P.	7359276	Simulation Series		50	12	0	0	0	0	0	0	0	0	0
2018	Digital preservation of cultural heritage for future generations	Aggarwal A.K.		Digital Curation: Breakthroughs in Research and Practice				0	0	0	0	0	0	0	0	0
2018	A reliable leakage reduction technique for approximate full adder with reduced ground bounce noise	Goyal C., Ubhi J.S., Raj B.	1024123X	Mathematical Problems in Engineering	2018			0	0	0	0	9	0	9	0	9
2018	Computer aided diagnosis of breast cancer based on level set segmentation of masses and classification using ensemble classifiers	Khan A.A., Arora A.S.	0970938X	Biomedical Research (India)		29	19	0	0	1	0	1	0	2	0	2







2018	Exploring nutraceutical potential of selected varieties of Piper Betle L.	Sarma C., Kumari S., Rasane P., Singh J., Amin R., Choudhury N., Kumar V., Kaur S.	20666845	Carpathian Journal of Food Science and Technology	10	1	0	0	0	0	0	0	1	1	0	1
2018	Development and parameter optimization of maize flat bread supplemented with asparagus bean flour	Shah T.R., Prasad K., Kumar P.	1012061	Food Science and Technology (Brazil)	38	1	0	0	0	1	0	0	0	1	0	1
2018	Ultrasound mediated modification and characterization of chitosan	Kumar P., Kumari K., Chopra H.K.	9707077	Asian Journal of Chemistry	30	4	0	0	0	0	0	0	0	0	0	0
2018	Computer Aided Diagnostic System for Automatic Detection of Brain Tumor Through MRI Using Clustering Based Segmentation Technique and SVM Classifier	Samanta A.K., Khan A.A.	21945357	Advances in Intelligent Systems and Computing	723		0	0	1	2	3	2	8	0	8	
2018	Further studies of isolated photon production with a jet in deep inelastic scattering at HERA	Adamczyk L., Adamus M., Aggarwal R., Antonelli S., Aushev V., Aushev Y., Behnke O., Behrens U., Bertolin A., Bloch I., Brock I., Brook N.H., Brugnara R., Bruni A., Bussey P.J., Caldwell A., Capua M., Catterall C.D., Chwastowski J., Ciborowski J., Ciesielski R., Cooper-Sarkar A.M., Corradi M., Dementiev R.K., Devenish R.C.E., Dusini S., Foster B., Gach G., Gallo E., Garfagnini A., Geiser A., Gzhko A., Gladiilin L.K., Golubkov Y.A., Grzelak G., Guzik M., Gwenlan C., Hlushchenko O., Hochman D., Hori R., Ibrahim Z.A., Iga Y., Ishitsuka M., Jomhari N.Z., Kadenko I., Kananov S., Karshon U., Kaur P., Kisielowska D., Klanner R., Klein U., Korzhavina I.A., Kotanski A.,	11266708	Journal of High Energy Physics	2018	1	0	1	1	1	0	0	3	0	3	
2018	An automated approach to enhance the thermographic evaluation on orofacial regions in lateral facial thermograms	Singh J., Arora A.S.	3064565	Journal of Thermal Biology	71		0	2	1	3	3	1	10	0	10	

2018	A novel random transition based PSO algorithm to maximize the lifetime of wireless sensor networks	Panag T.S., Dhillon J.S.	9296212	Wireless Personal Communications	98	2	0	1	0	4	3	1	9	0	9
2018	Modeling of Process Parameters for Surface Roughness and Analysis of Machined Surface in WEDM of Al/SiC-MMC	Kumar H., Manna A., Kumar R.	9722815	Transactions of the Indian Institute of Metals	71	1	0	4	7	10	5	11	37	0	37
2017	Molecular characteristics of oxidized and cross-linked lotus (Nelumbo nucifera) rhizome starch	Sukhija S., Singh S., Riar C.S.	10942912	International Journal of Food Properties	20		0	0	2	3	3	2	10	1	11
2017	Extraction, identification and assessment of antioxidative compounds of bran extracts of traditional rice cultivars: An analytical approach	Bhat F.M., Riar C.S.	3088146	Food Chemistry	237		0	3	6	4	1	4	18	0	18
2017	Performance evaluation of 6T, 7T & 8T SRAM at 180 nm technology	Kumar M., Ubhi J.S.		8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017			0	0	3	0	1	4	8	0	8
2017	Ball convergence of the Newton–Gauss method in Banach space	Argyros I.K., Sharma J.R., Kumar D.	22543902	SeMA Journal	74	4	0	4	4	0	1	0	9	0	9
2017	Experimental evaluation of harmonics mitigation transformers for power quality control in 3-phase SEIG feeding isolated domestic load	Rathore U.C., Singh S.	18123031	International Journal of Electrical Engineering	24	6	0	0	0	0	0	0	0	0	0
2017	Characterization of 4 element compact microstrip patch antenna array for efficient null steering	Kaur B., Marwaha A., Rani S.	10544887	Applied Computational Electromagnetics Society Journal	32	12	0	0	0	1	0	2	3	0	3
2017	Evaluation of various properties of composite flour from oats, sorghum, amaranth and wheat flour and production of cookies thereof	Raihan M., Saini C.S.	19854668	International Food Research Journal	24	6	0	1	2	3	3	3	12	0	12
2017	Optimized Controller Design for a 12-Pulse Voltage Source Converter Based HVDC System	Agarwal R., Singh S.	22502106	Journal of The Institution of Engineers (India): Series B	98	6	0	0	0	0	0	0	0	0	0
2017	Limitations on hybrid WDM/OTDM multicast overlay system imposed by nonlinear polarization effect and its mitigation	Singh S., Singh S.	19430655	IEEE Photonics Journal	9	6	0	0	5	3	0	0	8	0	8

2017	Performance analysis of spectrally encoded hybrid WDM-OCDMA network employing optical orthogonal modulation format against eavesdropper	Singh S., Singh S.	14348411	AEU - International Journal of Electronics and Communications	82	0	1	8	8	5	2	24	0	24	
2017	Effect of precooking on drying kinetics of taro (Colocasia esculenta) slices and quality of its flours	Kumar V., Sharma H.K., Singh K.	22124292	Food Bioscience	20	0	0	0	4	6	1	11	0	11	
2017	Cooling Time (t8/5) Model for Submerged Arc Welded Pressure Vessel Steel Using Dimensional Analysis	Kumar Arya H., Singh K., Saxena R.K.	949930	Journal of Pressure Vessel Technology, Transactions of the ASME	139	6	0	2	0	0	0	2	0	2	
2017	Thick target total bremsstrahlung spectra of lead compounds in the photon energy region 1–10 keV by 90Sr beta particles	Sharma S.J., Singh T., Singh D., Singh A., Dhaliwal A.S.	9698043	Applied Radiation and Isotopes	130	0	0	0	0	0	1	1	0	1	
2017	Effect of extrusion variables on antioxidant activity, total phenolic content and dietary fibre content of gluten-free extrudate from germinated Chenopodium (Chenopodium album) flour	Jan R., Saxena D.C., Singh S.	9505423	International Journal of Food Science and Technology	52	12	0	3	3	4	4	5	19	0	19
2017	Effect of different combinations of maltodextrin, gum arabic and whey protein concentrate on the encapsulation behavior and oxidative stability of spray dried drumstick (Moringa oleifera) oil	Premi M., Sharma H.K.	1418130	International Journal of Biological Macromolecules	105	0	3	14	18	31	31	97	1	98	
2017	Studies of total bremsstrahlung spectra in the oxides of lanthanides	Singh A., Singh T., Dhaliwal A.S.	0969806X	Radiation Physics and Chemistry	141	0	0	2	1	0	0	3	0	3	
2017	Effect of sprouting on the physical properties, morphology and flowability of onion powder	Majid I., Nanda V.	21934126	Journal of Food Measurement and Characterization	11	4	0	1	2	2	3	2	10	0	10
2017	Process standardization for isolation of quinoa starch and its characterization in comparison with other starches	Jan K.N., Panesar P.S., Singh S.	21934126	Journal of Food Measurement and Characterization	11	4	0	2	4	2	6	7	21	0	21
2017	Antioxidant activity, phenolic, carotenoid and color changes in packaged fresh carrots stored under refrigeration temperature	Haq R.-U., Prasad K.	21934126	Journal of Food Measurement and Characterization	11	4	0	1	1	2	1	0	5	0	5
2017	Value addition to agro industrial by-products: Effect of temperature and plasticizer on various properties of pellets developed using extrusion technology	Jan K., Riar C.S., Saxena D.C.	1458892	Journal of Food Processing and Preservation	41	6	0	0	1	0	0	1	2	0	2

2017	Comparative analysis of bio-polymers addition on structural and physical properties of spray dried beetroot juice concentrate	Bazaria B., Kumar P.	1458892	Journal of Food Processing and Preservation	41	6	1	0	2	2	3	2	9	0	10
2017	Amaranth (Amaranthus spp.) starch isolation, characterization, and utilization in development of clear edible films	Chandla N.K., Saxena D.C., Singh S.	1458892	Journal of Food Processing and Preservation	41	6	0	2	1	1	4	3	11	0	11
2017	A taxonomic survey on load balancing in cloud	Thakur A., Goraya M.S.	10848045	Journal of Network and Computer Applications	98		0	7	19	10	11	15	62	1	63
2017	Vanillin Formation by Electrooxidation of Lignin on Stainless Steel Anode: Kinetics and By-Products	Singh S., Ghatak H.R.	2773813	Journal of Wood Chemistry and Technology	37	6	0	2	1	5	4	8	20	0	20
2017	Instrumental texture and flavonoid profile of paste developed from sprouted onion varieties of Indian origin	Majid I., Nanda V.	10942912	International Journal of Food Properties	20	11	1	0	2	1	3	2	8	0	9
2017	Studies on chitosan-based superhydrophilic adsorbent for phasing out Rhodamine 6G dye and Cd <sup>2+</sup> ions from aqueous solutions	Bhullar N., Kumari K., Sud D.	19443994	Desalination and Water Treatment	95		0	0	1	0	0	1	2	0	2
2017	On compensation of four wave mixing effect in dispersion managed hybrid WDM-OTDM multicast overlay system with optical phase conjugation modules	Singh S., Singh S.	10685200	Optical Fiber Technology	38		0	0	4	2	3	0	9	0	9
2017	Effect of gamma irradiation on structural, molecular, thermal and rheological properties of sunflower protein isolate	Malik M.A., Sharma H.K., Saini C.S.	0268005X	Food Hydrocolloids	72		0	5	7	4	8	10	34	0	34
2017	High intensity ultrasound treatment of protein isolate extracted from dephenolized sunflower meal: Effect on physicochemical and functional properties	Malik M.A., Sharma H.K., Saini C.S.	13504177	Ultrasonics Sonochemistry	39		0	11	26	19	28	49	133	1	134
2017	Multiobjective multiarea unit commitment using hybrid differential evolution algorithm considering import/export and tie-line constraints	Kamboj V.K., Bath S.K., Dhillon J.S.	9410643	Neural Computing and Applications	28	11	1	3	3	2	0	3	11	0	12
2017	Synthesis and characterization of titanium doped barium ferrite and effects of doping on electrical and magnetic properties of the compound	Kumar A., Kumar V., Ghumman S.S.	150193	Ferroelectrics	519	1	0	0	0	0	3	2	5	0	5

2017	Integrated particle swarm optimization variants for economic load dispatch problem	Singh N.J., Dhillon J.S., Kothari D.P.	21603162	India International Conference on Power Electronics, IICPE	2016-			0	1	0	0	0	0	1	0	1
2017	Power quality improved 18-pulse VSC based BTB HVDC system with reduced current sensors	Agarwal R., Singh S.		2016 IEEE 7th Power India International Conference, PIICON 2016				0	0	0	0	0	0	0	0	0
2017	Designing of electronic load controller for 3- $\phi$ SEIG used in constant power prime-mover driven Pico/Micro hydro power generation system	Rathore U.C., Singh S.		2016 IEEE 7th Power India International Conference, PIICON 2016				0	0	0	0	0	0	0	0	0
2017	Complete position sensorless control of PMBLDC motor for variable speed applications	Singh S., Singh S.		2016 IEEE 7th Power India International Conference, PIICON 2016				0	0	0	0	1	0	1	0	1
2017	Using combined optimization, GC-MS and analytical technique to analyze the germination effect on phenolics, dietary fibers, minerals and GABA contents of Kodo millet ( <i>Paspalum scrobiculatum</i> )	Sharma S., Saxena D.C., Riari C.S.	3088146	Food Chemistry	233			0	6	5	1	4	10	26	1	27
2017	Spectral, DFT and X-ray diffraction studies on regioselective synthesis of thiazolo-quinazoline system	Gautam D., Gautam P., Chaudhary R.P.	222860	Journal of Molecular Structure	1145			0	0	0	2	0	0	2	0	2
2017	Study on power ultrasound optimization and its comparison with conventional thermal processing for treatment of raw honey	Janghu S., Bera M.B., Nanda V., Rawson A.	13309862	Food Technology and Biotechnology	55	4		0	2	4	3	7	5	21	0	21
2017	Quasi-static field analysis of permanent magnet generator using H-hierarchical adaptive finite element method	Vasudeva C., Marwaha S.	18234690	Journal of Engineering Science and Technology	12	10		0	0	0	0	1	0	1	0	1
2017	Norm Inequalities Related to the Heron and Heinz Means	Kapil Y., Conde C., Moslehian M.S., Singh M., Sababheh M.	16605446	Mediterranean Journal of Mathematics	14	5		0	4	1	3	2	3	13	0	13
2017	Gamma irradiation of alkali extracted protein isolate from dephenolized sunflower meal	Malik M.A., Saini C.S.	236438	LWT	84			0	5	2	3	7	8	25	0	25
2017	Time-frequency analysis and support vector machine in automatic detection of defect from vibration signal of centrifugal pump	Kumar A., Kumar R.	2632241	Measurement: Journal of the International Measurement Confederation	108			1	7	14	15	30	18	84	0	85

2017	Contractive maps on operator ideals and norm inequalities III	Aggarwal A., Kapil Y., Singh M.	243795	Linear Algebra and Its Applications	530		0	0	0	0	1	1	2	0	2
2017	Effect of germination on chemical, functional and nutritional characteristics of wheat, brown rice and triticale: a comparative study	Sibian M.S., Saxena D.C., Riar C.S.	225142	Journal of the Science of Food and Agriculture	97	13	0	0	7	8	7	10	32	0	32
2017	Design and analysis of all-optical up- and down-wavelength converter based on FWM of SOA-MZI for 60 Gbps RZ data signal	Singh S., Singh S., Badraoui N., Berceci T., Alomainy A.	1387974X	Photonic Network Communications	34	2	1	1	1	3	2	0	7	0	8
2017	An approach for feature selection using local searching and global optimization techniques	Tiwari S., Singh B., Kaur M.	9410643	Neural Computing and Applications	28	10	0	0	3	3	6	2	14	0	14
2017	Quality Changes in Functional Pasta During Storage in Two Different Packaging Materials: LDPE and BOPP	Gull A., Prasad K., Kumar P.	1458892	Journal of Food Processing and Preservation	41	5	0	0	0	3	3	0	6	0	6
2017	Value Addition to Food Industry By-Products and Wastes (Deoiled Rice Bran and Banana Peel) by Optimizing Pellets' Formulation Using Response Surface Methodology: Characterisation and Classification by PCA Approach	Jan K., Riar C.S., Saxena D.C.	1458892	Journal of Food Processing and Preservation	41	5	0	0	0	0	0	0	0	0	0
2017	Corrosion behaviour of Cr3C2-NiCr coated superalloys under actual medical waste incinerator	Mudgal D., Ahuja L., Singh S., Prakash S.	2578972	Surface and Coatings Technology	325		1	1	5	4	3	2	15	0	16
2017	Effect of angle of deposition on the Fractal properties of ZnO thin film surface	Yadav R.P., Agarwal D.C., Kumar M., Rajput P., Tomar D.S., Pandey S.N., Priya P.K., Mittal A.K.	1694332	Applied Surface Science	416		0	3	12	4	8	3	30	0	30
2017	Enhancing Weak Defect Features Using Undecimated and Adaptive Wavelet Transform for Estimation of Roller Defect Size in a Bearing	Kumar A., Kumar R.	10402004	Tribology Transactions	60	5	2	4	4	6	4	4	22	0	24
2017	Synthesis of chitosan based gel and study of swelling characteristics	Bhullar N., Kumari K., Sud D.	0971457X	Indian Journal of Chemical Technology	24	5	0	0	0	1	0	0	1	0	1
2017	Distortion cancellation for solitons carrying high speed information in WDM systems	Badraoui N., Berceci T., Singh S.	21627339	International Conference on Transparent Optical Networks			0	1	1	0	0	0	2	0	2
2017	Design and anticancer activity prediction of dihydropyrimidinone based novel inhibitors of P53-MDM2 interaction	Nayak S.K., Khatik G.L., Narang R., Chopra H.K.	9742441	Asian Journal of Pharmaceutical and Clinical Research	10	September	0	0	0	1	1	0	2	0	2

2017	Effects of gamma irradiation on starch granule structure and physicochemical properties of brown rice starch	Kumar P., Prakash K.S., Jan K., Swer T.L., Jan S., Verma R., Deepika K., Dar M.Z., Verma K., Bashir K.	7335210	Journal of Cereal Science	77	0	1	12	10	12	17	52	1	53	
2017	A system for computer-aided gating design for multi-cavity die-casting dies	Kumar V., Madan J.	9544054	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	231	11	1	0	0	1	0	0	1	0	2
2017	A framework for enhancing the thermographic evaluation on characteristic areas for paranasal sinusitis detection	Singh J., Arora A.S.	13504495	Infrared Physics and Technology	85	0	2	2	4	3	0	11	0	11	
2017	Screening of media components and process parameters for production of L(+) lactic acid from potato waste liquid using amylolytic <i>Rhizopus oryzae</i>	Panesar P.S., Kaur S.	1393006	Acta Alimentaria	46	3	0	0	0	0	0	1	1	0	1
2017	Extremely sensitive multiple sensing ring PCF sensor for lower indexed chemical detection	Kaur V., Singh S.	22141804	Sensing and Bio-Sensing Research	15	0	1	1	8	2	4	16	0	16	
2017	Electrically Small Microstrip Patch Antenna Loaded with Spiral Resonator for Wireless Applications	Rajni R., Marwaha A.	9296212	Wireless Personal Communications	96	2	0	0	1	0	2	1	4	0	4
2017	Compositional, physical, functional attributes and flow characterization of spray-dried skim milk powder enriched with honey	Bansal V., Premi M., Sharma H.K., Nanda V.	21934126	Journal of Food Measurement and Characterization	11	3	0	1	3	0	3	5	12	0	12
2017	Structural, thermal and rheological properties of starches isolated from Indian quinoa varieties	Jan K.N., Panesar P.S., Rana J.C., Singh S.	1418130	International Journal of Biological Macromolecules	102	0	11	10	17	17	13	68	1	69	
2017	Optimization of dietary fiber enriched chicken nuggets for different cooking methods	Pathera A.K., Riar C.S., Yadav S., Sharma D.P., Yadav Y.S., Kumar M.	21934126	Journal of Food Measurement and Characterization	11	3	1	1	0	2	1	0	4	0	5
2017	Effect of hydrocolloids on microstructure, texture and quality characteristics of gluten-free pasta	Chauhan A., Saxena D.C., Singh S.	21934126	Journal of Food Measurement and Characterization	11	3	1	1	4	1	4	7	17	0	18
2017	Characterization of agro-industrial byproducts and wastes for sustainable industrial application	Jan K., Riar C.S., Saxena D.C.	21934126	Journal of Food Measurement and Characterization	11	3	0	0	0	3	1	0	4	0	4

2017	Effect of storage conditions and packaging materials on the quality attributes of gluten-free extrudates and cookies made from germinated chenopodium (Chenopodium album) flour	Jan R., Saxena D.C., Singh S.	21934126	Journal of Food Measurement and Characterization	11	3	0	2	1	2	3	7	15	0	15
2017	Brown rice flour rheology	Jan S., Pushpadass H.A., Saxena D.C., Kingsly Ambrose R.P.		Brown Rice			0	0	0	0	0	0	0	0	0
2017	Experimental Modeling and Simulation of Supercritical Fluid Extraction of Moringa oleifera Seed Oil by Carbon Dioxide	Rai A., Mohanty B., Bhargava R.	986445	Chemical Engineering Communications	204	8	0	0	1	2	1	1	5	1	6
2017	Studies of the diffractive photoproduction of isolated photons at HERA	Adamczyk L., Adamus M., Antonelli S., Aushev V., Aushev Y., Behnke O., Behrens U., Bertolin A., Bloch I., Brock I., Brook N.H., Brugnera R., Bruni A., Bussey P.J., Caldwell A., Capua M., Catterall C.D., Chwastowski J., Ciborowski J., Ciesielski R., Cooper-Sarkar A.M., Corradi M., Dementiev R.K., Devenish R.C.E., Dusini S., Foster B., Gach G., Gallo E., Garfagnini A., Geiser A., Gzhko A., Gladilin L.K., Golubkov Yu.A., Grzelak G., Guzik M., Gwenlan C., Hlushchenko O., Hochman D., Hori R., Ibrahim Z.A., Iga Y., Ishitsuka M., Jomhari N.Z., Kadenko I., Kananov S., Karshon U., Kaur P., Kisieleska D., Klanner R., Klein U., Korzhavina I.A., Kotanski A.,	24700010	Physical Review D	96	3	2	1	1	0	0	1	3	0	5
2017	Response surface optimization for cellulose production from agro industrial waste by using new bacterial isolate Gluconacetobacter xylinus C18	Singh O., Panesar P.S., Chopra H.K.	12267708	Food Science and Biotechnology	26	4	0	1	1	3	3	5	13	0	13
2017	Classification of Seizure Prone EEG Signal Using Amplitude and Frequency Based Parameters of Intrinsic Mode Functions	Kaur M., Singh G.	16090985	Journal of Medical and Biological Engineering	37	4	0	0	3	2	3	0	8	0	8



2017	An Approach for Enhancement of Microcalcifications in Mammograms	Singh B., Kaur M.	16090985	Journal of Medical and Biological Engineering	37	4	0	1	2	0	1	1	5	0	5
2017	A comparative study of cosmological models in alternative theory of gravity with LVDP & BVDP	Mishra R.K., Chand A.	0004640X	Astrophysics and Space Science	362	8	0	1	1	2	0	0	4	0	4
2017	Modified Wideband Bowtie Antenna for WLAN and High Speed Data Communication Applications	Solanki L.S., Singh S., Singh D.	9296212	Wireless Personal Communications	95	3	0	0	2	2	3	1	8	0	8
2017	Fabrication of Laboratory Scale Ohmic Heater and Its Application in Wheat Bran Stabilization	Nandi B., Sandeep K., Jindal N., Singh I., Kumar N.	1458892	Journal of Food Processing and Preservation	41	4	0	1	0	2	1	1	5	0	5
2017	Better approach for denoising EEG signals	Kaushal G., Singh A., Jain V.K.		2016 5th International Conference on Wireless Networks and Embedded Systems, WECON 2016			0	1	1	1	1	1	5	0	5
2017	TDMA-based MAC protocols for wireless sensor networks: A survey and comparative analysis	Kaur T., Kumar D.		2016 5th International Conference on Wireless Networks and Embedded Systems, WECON 2016			1	2	4	5	4	2	17	0	18
2017	Photonic crystal fiber sensor based on sensing ring for different blood components: Design and analysis	Singh S., Kaur V.	21658528	International Conference on Ubiquitous and Future Networks, ICUFN			0	1	3	2	9	5	20	0	20
2017	Determination of soil suitability for agriculture farming using microwave analysis	Solanki L.S., Singh S., Garg N.	21658528	International Conference on Ubiquitous and Future Networks, ICUFN			0	1	0	0	0	0	1	0	1
2017	Research at undergraduate level	Verma S.S.	113891	Current Science	113	2	0	0	0	0	0	0	0	0	0
2017	Approaches for image database retrieval based on color, texture, and shape features	Arora K., Aggarwal A.K.		Handbook of Research on Advanced Concepts in Real-Time Image and Video Processing			0	0	1	1	0	6	8	0	8
2017	Medical image fusion in spatial and transform domain: A comparative analysis	Srivastava A., Aggarwal A.K.		Handbook of Research on Advanced Concepts in Real-Time Image and Video Processing			0	0	0	0	0	3	3	0	3

2017	Kinetic study on triazophos adsorption in soil and its persistence behaviour in different environmental segments	Rani S., Sud D.	21857	Agrochimica	61	3	0	0	0	0	0	1	1	0	1
2017	Wear behaviour of smaw hardfaced mild steel and influence of dilution upon hardfacing properties.	Singh M., Majid M., Akhtar M.A., Arora H., Chawla K.	9766340	International Journal of Mechanical Engineering and Technology	8	7	0	0	0	0	1	1	2	0	2
2017	Characterizing the pigmented traditional rice cultivars grown in temperate regions of Kashmir (India) for free and bound phenolics compounds and in vitro antioxidant properties	Bhat F.M., Riar C.S.	7335210	Journal of Cereal Science	76		0	0	5	2	2	5	14	0	14
2017	Effect of particle size, shape and surface roughness on bulk and shear properties of rice flour	Jan S., Ghoroi C., Saxena D.C.	7335210	Journal of Cereal Science	76		0	1	0	1	2	3	7	0	7
2017	RETRACTED ARTICLE: Some Remarks on Univalent Harmonic Mappings (Bull. Malays. Math. Sci. Soc., 10.1007/s40840-016-0367-6)	Khurana D., Gupta S., Singh S.	1266705	Bulletin of the Malaysian Mathematical Sciences Society	40	3	0	0	0	0	0	0	0	0	0
2017	A comparative study of flow properties of basmati and non-basmati rice flour from two different mills	Jan S., Ghoroi C., Saxena D.C.	7335210	Journal of Cereal Science	76		0	2	1	0	0	1	4	0	4
2017	A hybrid impedance control scheme for underwater welding robots with a passive foundation in the controller domain	Kumar S., Rastogi V., Gupta P.	375497	Simulation	93	7	0	3	0	1	1	2	7	0	7
2017	Process optimization of spray drying of beetroot Juice	Singh B., Hathan B.S.	221155	Journal of Food Science and Technology	54	8	0	2	0	5	5	0	12	0	12
2017	Two Stage Grid Classification Based Algorithm for the Identification of Fields Under a Wireless Sensor Network Monitored Area	Panag T.S., Dhillon J.S.	9296212	Wireless Personal Communications	95	2	0	0	1	0	1	0	2	0	2
2017	A novel hybrid DE-random search approach for unit commitment problem	Kamboj V.K., Bath S.K., Dhillon J.S.	9410643	Neural Computing and Applications	28	7	1	1	3	4	3	1	12	0	13
2017	Total bremsstrahlung spectra of thick lead compounds produced by <sup>90</sup> Sr beta emitter in photon energy region of 10–100 keV	Sharma S.J., Singh T., Singh D., Singh A., Dhaliwal A.S.	0168583X	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	401		0	0	2	0	0	0	2	0	2

2017	Improved Newton-like methods for solving systems of nonlinear equations	Sharma J.R., Arora H.	22543902	SeMA Journal	74	2	0	3	3	4	9	8	27	0	27
2017	Effect of dietary fiber enrichment and different cooking methods on quality of chicken nuggets	Pathera A.K., Riar C.S., Yadav S., Sharma D.P.	12258563	Korean Journal for Food Science of Animal Resources	37	3	0	3	0	3	1	4	11	0	11
2017	Extending the applicability of the MMN-HSS method for solving systems of nonlinear equations under generalized conditions	Argyros I.K., Sharma J.R., Kumar D.	19994893	Algorithms	10	2	0	1	0	0	0	0	1	0	1
2017	Mathematical formulation of surface conductivity for graphene material	Bala R., Marwaha A., Marwaha S.	18234690	Journal of Engineering Science and Technology	12	6	0	2	3	2	4	0	11	0	11
2017	A robust anti-spoofing technique for face liveness detection with morphological operations	Singh M., Arora A.S.	304026	Optik	139		0	3	2	6	3	3	17	0	17
2017	Effect of grinding action on the flowability of rice flour	Jan S., Ambrose R.P.K., Saxena D.C.	21934126	Journal of Food Measurement and Characterization	11	2	2	2	1	1	2	2	8	0	10
2017	Assessment of nutritional, physicochemical, antioxidant, structural and rheological properties of spray dried tamarind pulp powder	Muzaffar K., Dar B.N., Kumar P.	21934126	Journal of Food Measurement and Characterization	11	2	0	1	0	3	1	8	13	3	16
2017	Process optimization for extraction of bioactive compounds from taro ( <i>Colocasia esculenta</i> ), using RSM and ANFIS modeling	Kumar V., Sharma H.K.	21934126	Journal of Food Measurement and Characterization	11	2	0	3	4	2	4	5	18	0	18
2017	Effect of Thermal and Alternate Thermal Processing on Bottle Gourd ( <i>Lagenaria siceraria</i> ) Juice	Bhat S., Saini C.S., Kumar M., Sharma H.K.	1458892	Journal of Food Processing and Preservation	41	3	1	0	3	4	1	7	15	0	16
2017	Drying kinetics of millet, poamce and wheat based pasta and its effect on microstructure, color, water absorption and pasting properties	Gull A., Prasad K., Kumar P.	21934126	Journal of Food Measurement and Characterization	11	2	0	0	0	4	1	2	7	0	7
2017	Stinging nettle ( <i>Urtica dioica</i> L.): a reservoir of nutrition and bioactive components with great functional potential	Jan K.N., zarafshan K., Singh S.	21934126	Journal of Food Measurement and Characterization	11	2	0	2	3	5	12	14	36	0	36
2017	Performance Analysis of Coaxial Probe Fed Modified Sierpinski–Meander Hybrid Fractal Heptaband Antenna for Future Wireless Communication Networks	Kumar Y., Singh S.	9296212	Wireless Personal Communications	94	4	0	0	0	1	3	0	4	0	4

2017	Sorption behavior, thermodynamic properties and storage stability of ready-to-eat Elephant Foot Yam ( <i>Amorphophallus</i> spp.) product: physic-chemical properties, minerals, total dietary fiber and phenolic content of stored product	Sangeeta, Hathan B.S.	21934126	Journal of Food Measurement and Characterization	11	2	0	1	0	0	1	0	2	0	2
2017	Effect of Germination on Nutritional, Functional, Pasting, and Microstructural Properties of Chenopodium ( <i>Chenopodium album</i> ) Flour	Jan R., Saxena D.C., Singh S.	1458892	Journal of Food Processing and Preservation	41	3	1	0	4	2	3	4	13	0	14
2017	Hybrid heuristic search method for design of digital IIR filter with conflicting objectives	Sidhu D.S., Dhillon J.S., Kaur D.	14327643	Soft Computing	21	12	1	2	2	1	2	1	8	0	9
2017	Recent advances in biodegradable films, coatings and their applications	Sandhu K.S., Sharma L., Singh C., Siroha A.K.		Plant Biotechnology: Recent Advancements and Developments			0	0	0	0	0	1	1	0	1
2017	On a general class of optimal order multipoint methods for solving nonlinear equations	Sharma J.R., Argyros I.K., Kumar D.	0022247X	Journal of Mathematical Analysis and Applications	449	2	0	4	2	0	0	2	8	0	8
2017	Quantitative archival and retrieval of infrared thermograms for clinical use	Singh J., Arora A.S., Kumar S.		2016 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2016			0	0	0	0	0	0	0	0	0
2017	Processing and evaluation of heat moisture treated (HMT) amaranth starch noodles; An inclusive comparison with corn starch noodles	Chandla N.K., Saxena D.C., Singh S.	7335210	Journal of Cereal Science	75		1	2	3	4	9	12	30	0	31
2017	Hybrid HS–random search algorithm considering ensemble and pitch violation for unit commitment problem	Kamboj V.K., Bath S.K., Dhillon J.S.	9410643	Neural Computing and Applications	28	5	1	0	4	2	1	1	8	0	9
2017	Enzymatic added extraction and clarification of fruit juices–A review	Sharma H.P., Patel H., Sugandha	10408398	Critical Reviews in Food Science and Nutrition	57	6	7	17	14	19	27	21	98	1	106

2017	Comparison of Genetic Algorithm, Particle Swarm Optimization and Biogeography-based Optimization for Feature Selection to Classify Clusters of Microcalcifications	Khehra B.S., Pharwaha A.P.S.	22502106	Journal of The Institution of Engineers (India): Series B	98	2	0	3	2	6	4	4	19	0	19
2017	A robust technique of cubic hermite collocation for solution of two phase non linear model	Arora S., Kaur I., Kumar H., Kukreja V.K.	10183639	Journal of King Saud University - Engineering Sciences	29	2	0	0	1	1	0	0	2	0	2
2017	Spray Drying of Tamarind Pulp: Effect of Process Parameters Using Protein as Carrier Agent	Muzaffar K., Kumar P.	1458892	Journal of Food Processing and Preservation	41	2	0	2	2	2	2	1	9	0	9
2017	Thermo-rheological and functional properties of gamma-irradiated wholewheat flour	Bashir K., Jan K., Aggarwal M.	9505423	International Journal of Food Science and Technology	52	4	0	4	5	6	2	5	22	0	22
2017	A comparative study of effects of extraction solvents/techniques on percentage yield, polyphenolic composition, and antioxidant potential of various extracts obtained from stems of Nepeta leucophylla: RP-HPLC-DAD assessment of its polyphenolic constituents	Sharma A., Cannoo D.S.	1458884	Journal of Food Biochemistry	41	2	0	0	1	4	8	4	17	0	17
2017	Physicochemical, cooking, and textural characteristics of grains of different rice (Oryza sativa L.) cultivars of temperate region of India and their interrelationships	Bhat F.M., Riar C.S.	224901	Journal of Texture Studies	48	2	0	3	0	3	7	5	18	0	18
2017	Studies on effect of temperature and time on textural and rheological properties of starch isolated from traditional rice cultivars of Kashmir (India)	Bhat F.M., Riar C.S.	224901	Journal of Texture Studies	48	2	0	0	2	1	0	2	5	0	5
2017	Influence of Drying Kinetics on Moisture Diffusivity, Carotene Degradation and Nonenzymatic Browning of Pretreated and Untreated Carrot Shreds	Haq R.-U., Kumar P., Prasad K.	1458892	Journal of Food Processing and Preservation	41	2	2	1	0	1	1	1	4	0	6
2017	EACO and FABC to multi-path data transmission in wireless sensor networks	Kumar R., Kumar D., Kumar D.	17518628	IET Communications	11	4	2	5	9	9	4	4	31	1	34
2017	Large electronic sputtering yield of nanodimensional Au thin films: Dominant role of thermal conductivity and electron phonon coupling factor	Singh U.B., Pannu C., Agarwal D.C., Ojha S., Khan S.A., Ghosh S., Avasthi D.K.	218979	Journal of Applied Physics	121	9	2	6	4	3	4	3	20	0	22

2017	Degradation kinetics of ascorbic acid in encapsulated spray-dried honey powder packaged in aluminium laminated polyethylene and high-density polyethylene	Suhag Y., Nanda V.	10942912	International Journal of Food Properties	20	3	0	1	1	0	2	2	6	0	6
2017	Kinetic Energy Recovery from the Chimney Flue Gases Using Ducted Turbine System	Mann H.S., Singh P.K.	10009345	Chinese Journal of Mechanical Engineering (English Edition)	30	2	0	1	0	1	2	0	4	0	4
2017	Characterization of Secondary Metabolites from Various Solvent Extracts of Saffron Floral Waste	Yousuf B., Panesar P.S., Chopra H.K., Gul K.	3698211	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	87	1	0	1	0	0	1	0	2	0	2
2017	Controller optimization algorithm for a 12-pulse voltage source converter based HVDC system	Agarwal R., Singh S.	19750102	Journal of Electrical Engineering and Technology	12	2	1	0	0	0	0	0	0	0	1
2017	Synthesis and Characterization of Thiazepine/Benzothiazepine Derivatives Through Intramolecular C-2 Ring Expansion Pathway	Preet S., Cannoo D.S.	94536	Journal of the Chinese Chemical Society	64	3	0	1	1	1	1	1	5	0	5
2017	Simulation for whole-body vibration to assess ride comfort of a low-medium speed railway vehicle	Kumar V., Rastogi V., Pathak P.M.	375497	Simulation	93	3	1	2	7	6	4	5	24	0	25
2017	Combined heat and power economic dispatch using integrated civilized swarm optimization and Powell's pattern search method	Narang N., Sharma E., Dhillon J.S.	15684946	Applied Soft Computing Journal	52		2	6	8	26	9	17	66	0	68
2017	Least Square Fitting for Adaptive Wavelet Generation and Automatic Prediction of Defect Size in the Bearing Using Levenberg–Marquardt Backpropagation	Kumar A., Kumar R.	1959298	Journal of Nondestructive Evaluation	36	1	2	1	3	3	5	9	21	0	23
2017	Analyzing the effect of optimization conditions of germination on the antioxidant activity, total phenolics, and antinutritional factors of Chenopodium (Chenopodium album)	Jan R., Saxena D.C., Singh S.	21934126	Journal of Food Measurement and Characterization	11	1	1	0	0	1	1	0	2	0	3
2017	Quality assessment and shelf life prediction of spray dried tamarind pulp powder in accelerated environment using two different packaging materials	Muzaffar K., Kumar P.	21934126	Journal of Food Measurement and Characterization	11	1	0	0	0	3	2	2	7	0	7

2017	Effect of extraction conditions on the bioactive compounds from Moringa oleifera (PKM 1) seeds and their identification using LC-MS	Premi M., Sharma H.K.	21934126	Journal of Food Measurement and Characterization	11	1	2	2	4	4	1	3	14	0	16
2017	Effect of dextrose equivalency of maltodextrin together with Arabic gum on properties of encapsulated beetroot juice	Bazaria B., Kumar P.	21934126	Journal of Food Measurement and Characterization	11	1	2	1	1	7	5	3	17	0	19
2017	Optimization of Pellet Production from Agro-Industrial By-Products: Effect of Plasticizers on Properties of Pellets and Composite Pots	Jan K., Riar C.S., Saxena D.C.	15662543	Journal of Polymers and the Environment	25	1	2	1	0	1	1	0	3	0	5
2017	Performance analysis of hybrid WDM-OTDM optical multicast overlay system employing 120 Gbps polarization and subcarrier multiplexed unicast signal with 40 Gbps multicast signal	Singh S., Singh S.	304018	Optics Communications	385		3	2	6	5	1	3	17	0	20
2017	Two-dimensional static analysis for magnetic flux density of PM linear electric motor	Vasudeva C., Marwaha S., Sharma S.		1st IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2016			0	0	0	0	0	0	0	0	0
2017	Changes in total phenolic content and color of bottle gourd (Lagenaria siceraria) juice upon conventional and ohmic blanching	Bhat S., Saini C.S., Sharma H.K.	12267708	Food Science and Biotechnology	26	1	0	2	6	7	8	8	31	0	31
2017	Towards comparative evaluation of trust and reputation models over static, dynamic and oscillating wireless sensor networks	Verma V.K., Singh S., Pathak N.P.	10220038	Wireless Networks	23	2	0	0	3	0	0	4	7	0	7
2017	Polyphenol removal from sunflower seed and kernel: Effect on functional and rheological properties of protein isolates	Malik M.A., Saini C.S.	0268005X	Food Hydrocolloids	63		3	7	12	10	14	17	60	1	64
2017	Optimum resource allocation approach in cloud	Singh S., Singh B.		Proceedings of 2016 International Conference on Advanced Communication Control and Computing Technologies, ICACCT 2016			0	1	0	0	0	1	2	0	2

2017	Contractive maps on operator ideals and norm inequalities II	Aggarwal A., Kapil Y., Singh M.	243795	Linear Algebra and Its Applications	513		1	0	0	1	1	1	3	0	4
2017	Performance of 3-phase 4-wire distribution system with DSTATCOM and T-transformer for zero voltage regulation	Kumar M., Kumar R., Agarwal K., Kumar M., Saxena A., Mathur B.L.		Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCCA 2016			0	0	0	0	0	0	0	0	0
2017	Evaluation of corrosion performance of Superni 600 hung in secondary chamber of medical waste incinerator operating at 1050 °C	Mudgal D., Ahuja L., Singh S., Prakash S.	9603409	Materials at High Temperatures	34	1	0	1	1	1	2	1	6	0	6
2017	Utilization of Carrot Pomace	Sharma H.K., Kumar N.		Food Processing By-Products and their Utilization			0	0	0	0	1	2	3	0	3
2017	Preface	Kosseva M.R., Joshi V.K., Panesar P.S.		Science and Technology of Fruit Wine Production			0	2	0	0	0	0	2	0	2
2017	Introduction	Joshi V.K., Panesar P.S., Kosseva M.R.		Science and Technology of Fruit Wine Production			0	0	0	0	0	0	0	0	0
2017	Utilization of Waste from Tropical Fruits	Sharma H.K., Kaur M.		Food Processing By-Products and their Utilization			0	0	0	2	0	1	3	0	3
2017	Simulation of spray drying of tomato juice using computational fluid dynamics (CFD)	Kumar V., Sharma H.K., Mishra S.	23311932	Cogent Food and Agriculture	3	1	0	0	0	0	1	0	1	0	1
2017	Machine vision technology in food processing industry: Principles and applications-A review	Minz P.S., Singh C., Sawhney I.K.		Engineering Interventions in Agricultural Processing			0	0	1	0	1	0	2	0	2
2017	AntMQoS: An ant-based multi-constrained QoS routing protocol for wireless sensor networks	Kumar D., Kaur T.	20780958	Lecture Notes in Engineering and Computer Science	1		0	0	1	3	4	5	13	0	13
2017	Propagation delay analysis of multi-layered gnr and multi-walled cnt through-silicon via at different technology nodes	Das P.K., Yadav A., Kumar K.	20780958	Lecture Notes in Engineering and Computer Science	1		0	0	0	2	0	0	2	0	2
2017	Diverse utilization of plant-originated secondary metabolites	Bansal V., Kumar P., Tuteja S.K., Siddiqui M.W., Prasad K., Sangwan R.S.		Plant Secondary Metabolites, Volume Three: Their Roles in Stress Eco-physiology			0	0	0	1	0	0	1	0	1



2017	Carrot: Secondary metabolites and their prospective health benefits	Prasad K., Haq R.-U., Bansal V., Siddiqui M.W., Ilahy R.		Plant Secondary Metabolites: Volume II: Stimulation, Extraction, and Utilization				0	1	0	0	0	1	2	0	2
2017	Plant secondary metabolites: Volume 1: Biological and therapeutic significance	Siddiqui M.W., Prasad K.		Plant Secondary Metabolites: Volume I: Biological and Therapeutic Significance				0	2	1	0	2	2	7	0	7
2017	Effects of food processing techniques on secondary metabolites	Bansal V., Siddiqui M.W., Singla M.L., Ghanshyam C., Prasad K.		Plant Secondary Metabolites: Volume II: Stimulation, Extraction, and Utilization				0	0	0	0	0	0	0	0	0
2017	Secondary metabolites of basil and their potential roles	Prasad K., Neeha V.S., Bansal V., Siddiqui M.W., Brasil I.M.		Plant Secondary Metabolites: Volume I: Biological and Therapeutic Significance				0	0	0	0	0	0	0	0	0
2017	Medicinal plants in preventive and curative roles for various ailments	Singh R., Prasad K.K., Siddiqui M.W., Prasad K.		Plant Secondary Metabolites: Volume I: Biological and Therapeutic Significance				0	0	0	0	1	0	1	0	1
2017	Development of peanut and chickpea nut brittle (Chikki) from the incorporation of sugar, jaggery and corn syrup	Tidke B., Sharma H.K., Kumar N.	19854668	International Food Research Journal	24	2		0	1	0	0	0	0	1	0	1
2017	Comparative Analysis of Hybrid Models for Prediction of BP Reactivity to Crossed Legs	Kaur G., Arora A.S., Jain V.K.	20402295	Journal of Healthcare Engineering	2017			0	0	1	1	0	0	2	0	2
2017	Iterative Methods and Dynamics for Nonlinear Problems	Kim Y.I., Cordero A., Sharma J.R., Soleymani F., Torregrosa J.R., Wang X.	10260226	Discrete Dynamics in Nature and Society	2017			0	0	0	0	0	0	0	0	0
2017	Enhanced sorbitol production under submerged fermentation using Lactobacillus plantarum	Jan K.N., Tripathi A.D., Singh S., Surya D., Singh S.P.	23455357	Applied Food Biotechnology	4	2		0	2	0	0	1	1	4	0	4
2017	Modeling of physicochemical and functional parameters of pumpkin (Cucurbita pepo) powder using response surface methodology	Deshmukh Y., Sharma H.K., Kumar N.	19854668	International Food Research Journal	24	5		0	0	2	2	0	0	4	0	4
2017	Impact of emission on environment of electric generator fuelled with Karanja (Pongamia pinnata) biodiesel adding additive Di-ethyl ether	Singh I., Sahni V.	9726268	Nature Environment and Pollution Technology	16	3		0	1	0	1	0	0	2	0	2

2017	Detection and Prevention of Blackhole Attacks in Wireless Sensor Networks	Kaur G., Jain V.K., Chaba Y.	3029743	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	10618	0	1	0	1	4	1	7	0	7	
2017	Simulation Studies on Homogeneous Catalyst System rac-Me <sub>2</sub> Si (Benz[e]Indenyl) <sub>2</sub> ZrCl <sub>2</sub> /MAO for Synthesis of Polypropylene	Lundia V., Prakash N.	22147853	Materials Today: Proceedings	4	9	0	0	1	0	0	0	1	0	1
2017	Power quality control of voltage source converter-based HVDC system using particle swarm optimisation	Agarwal R., Singh S.	17571154	International Journal of Power and Energy Conversion	8	4	0	0	0	0	0	1	1	0	1
2017	Biopigment produced by Monascus purpureus MTCC 369 in submerged and solid state fermentation: A comparative study	Sehrawat R., Panesar P.S., Panesar R., Kumar A.	3699420	Pigment and Resin Technology	46	6	0	2	4	1	2	1	10	0	10
2017	Effect of processing parameters on quality attributes of fried banana chips	Wani S.A., Sharma V., Kumar P.	19854668	International Food Research Journal	24	4	0	1	1	2	0	2	6	0	6
2017	Surrogate worth trade-off method for multi-objective thermal power load dispatch	Singh N.J., Dhillon J.S., Kothari D.P.	3605442	Energy	138		0	3	1	1	2	0	7	0	7
2017	Effect of pre-frying drying on mass transfer kinetics of taro slices during deep fat frying	Kumar V., Sharma H.K., Singh K., Kaushal P., Singh R.P.	19854668	International Food Research Journal	24	3	0	0	3	1	1	1	6	0	6
2017	Visible light responsive Mn-S-co-doped TiO <sub>2</sub> photocatalyst – Synthesis, characterization and mechanistic aspect of photocatalytic degradation	Sharotri N., Sud D.	13835866	Separation and Purification Technology	183		0	4	3	8	0	4	19	0	19
2017	Experimental comparison of friction stir welding process and TIG welding process for 6082-T6 Aluminium alloy	Singh G., Kang A.S., Singh K., Singh J.	22147853	Materials Today: Proceedings	4	2	3	4	7	2	6	9	28	0	31
2017	Optimization of flaked rice dry roasting in common salt and studies on associated changes in chemical, nutritional, optical, physical, rheological and textural attributes	Kumar S., Prasad K.	9707077	Asian Journal of Chemistry	29	6	0	1	1	1	2	2	7	0	7
2017	Modified fitness-based swarm intelligence approach for routing in wireless sensor networks	Kohli V., Kumar R., Kumar D.	17550386	International Journal of Advanced Intelligence Paradigms	9	2-3	0	0	0	1	0	0	1	0	1

2017	Development and characterization of shelf stable quick cooking carrot	Yadav Y.S., Prasad K.	19854668	International Food Research Journal	24	1	0	0	0	0	0	0	0	0	0
2017	S-Substituted-2-mercaptobenzthiazolium-based chiral ionic liquids: efficient organocatalysts for enantioselective sodium borohydride reductions of prochiral ketones	Singh A., Chopra H.K.	9574166	Tetrahedron Asymmetry	28	3	0	5	3	3	2	1	14	0	14
2017	Stress analysis of lower back using EMG signal	Tyagi P., Arora A.S., Rastogi V.	0970938X	Biomedical Research (India)	28	2	7	3	1	1	0	1	6	0	13
2017	Chiral ionic liquids: Design, synthesis and applications in asymmetric organocatalysis	Singh A., Chopra H.K.	15701794	Current Organic Synthesis	14		1	4	4	5	6	2	21	0	22
2017	Production and optimization of bacterial cellulose with different carbon and nitrogen sources using Gluconacetobacter xylinus C18 strain	Singh O.C., Panesar P.S., Chopra H.K.	9707077	Asian Journal of Chemistry	29	4	0	0	0	0	0	0	0	0	0
2017	Physico-chemical, nutritional, functional, textural and morphological characterization of sand pear fruit (Pyrus pyrifolia L.) from Northern Region of India	Baniwal P., Hathan B.S.	9707077	Asian Journal of Chemistry	29	4	0	0	1	1	0	0	2	0	2
2017	Technology for Production of Fortified and Sparkling Fruit Wines	Panesar P.S., Joshi V.K., Bali V., Panesar R.		Science and Technology of Fruit Wine Production			0	0	0	0	2	0	2	0	2
2017	Science and Technology of Fruit Wines: An Overview	Joshi V.K., Panesar P.S., Rana V.S., Kaur S.		Science and Technology of Fruit Wine Production			0	2	3	4	10	8	27	0	27
2017	Specific Features of Table Wine Production Technology	Joshi V.K., Attri B.L., Panesar P.S., Abrol G.S., Sharma S., Thakur A.D., Selli S., Kelebek H., Reddy L.V.		Science and Technology of Fruit Wine Production			0	3	1	0	3	0	7	0	7
2017	Study of corrosive fatigue and life enhancement of low pressure steam turbine blade using friction dampers	Bhagi L.K., Rastogi V., Gupta P.	1738494X	Journal of Mechanical Science and Technology	31	1	0	3	2	1	2	2	10	0	10
2017	Integrated Cat Swarm Optimization and Differential Evolution Algorithm for Optimal IIR Filter Design in Multi-Objective Framework	Dhaliwal K.K., Dhillon J.S.	0278081X	Circuits, Systems, and Signal Processing	36	1	0	3	0	4	3	0	10	0	10
2017	Determination and optimization of vitamin B complex (B1, B2, B3 and B6) in cellulase treated polished rice by HPLC with UV detector	Kothakota A., Pandiselvam R., Rajesh G.K., Gowthami K.	9707077	Asian Journal of Chemistry	29	2	0	0	0	1	1	2	4	0	4

