

Sant Longowal Institute of Engineering & Technology (SLIET) (Affiliation)					
Results found		911			
Sum of the Times Cited		8182			
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S.No.	Title	Authors	Source Title	Pub. Year	Total Citations
1	Investigating the impact of data normalization on classification performance	Singh, Dalwinder; Singh, Birmohan	APPLIED SOFT COMPUTING	2020	173
2	High intensity ultrasound treatment of protein isolate extracted from dephenolized sunflower meal: Effect on physicochemical and functional properties	Malik, Mudasir Ahmad; Sharma, Harish Kumar; Saini, Charanjiv Singh	ULTRASONICS SONOCHEMISTRY	2017	111
3	An intensify Harris Hawks optimizer for numerical and engineering optimization problems	Kamboj, Vikram Kumar; Nandi, Ayani; Bhadoria, Ashutosh; Sehgal, Shivani	APPLIED SOFT COMPUTING	2020	91
4	Effect of different combinations of maltodextrin, gum arabic and whey protein concentrate on the encapsulation behavior and oxidative stability of spray dried drumstick ( <i>Moringa oleifera</i> ) oil	Premi, Monica; Sharma, H. K.	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2017	82
5	Enzymatic added extraction and clarification of fruit juices-A review	Sharma, Harsh P.; Patel, Hiral; Sugandha	CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION	2017	81
6	Ameliorated grey wolf optimization for economic load dispatch problem	Singh, Diljinder; Dhillon, J. S.	ENERGY	2019	72
7	Latest developments in gear defect diagnosis and prognosis: A review	Kumar, Anil; Gandhi, C. P.; Zhou, Yuqing; Kumar, Rajesh; Xiang, Jiawei	MEASUREMENT	2020	69
8	Particle Swarm Optimization-Based Unequal and Fault Tolerant Clustering Protocol for Wireless Sensor Networks	Kaur, Tarunpreet; Kumar, Dilip	IEEE SENSORS JOURNAL	2018	67
9	Time-frequency analysis and support vector machine in automatic detection of defect from vibration signal of centrifugal pump	Kumar, Anil; Kumar, Rajesh	MEASUREMENT	2017	67
10	Composition and functionality of bee pollen: A review	Thakur, Mamta; Nanda, Vikas	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2020	64
11	Experimental and theoretical investigations of Mn-N-co-doped TiO <sub>2</sub> photocatalyst for visible light induced degradation of organic pollutants	Sharotri, Nidhi; Sharma, Deepali; Sud, Dhiraj	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2019	64
12	Novel Convolutional Neural Network (NCNN) for the Diagnosis of Bearing Defects in Rotary Machinery	Kumar, Anil; Vashishtha, Govind; Gandhi, C. P.; Zhou, Yuqing; Glowacz, Adam; Xiang, Jiawei	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	2021	63
13	Design of titanium nitride coated PCF-SPR sensor for liquid sensing applications	Kaur, Veerpal; Singh, Surinder	OPTICAL FIBER TECHNOLOGY	2019	60
14	Structural, thermal and rheological properties of starches isolated from Indian quinoa varieties	Jan, Khan Nadiya; Panesar, P. S.; Rana, J. C.; Singh, Sukhcharn	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2017	59

15	Combined heat and power economic dispatch using integrated civilized swarm optimization and Powell's pattern search method	Narang, Nitin; Sharma, Era; Dhillon, J. S.	APPLIED SOFT COMPUTING	2017	58
16	Rheological and structural properties of protein isolates extracted from dephenolized sunflower meal: Effect of high intensity ultrasound	Malik, Mudasir Ahmad; Saini, Charanjiv Singh	FOOD HYDROCOLLOIDS	2018	57
17	A feedback neural circuit for calibrating aversive memory strength	Ozawa, Takaaki; Ycu, Edgar A.; Kumar, Ashwani; Yeh, Li-Feng; Ahmed, Touqeer; Koivumaa, Jenny; Johansen, Joshua P.	NATURE NEUROSCIENCE	2017	57
18	Review on design and development of cryogenic machining setups for heat resistant alloys and composites	Khanna, Navneet; Agrawal, Chetan; Pimenov, Danil Yu; Singla, Anil Kumar; Machado, Alisson Rocha; da Silva, Leonardo Rosa Ribeiro; Gupta, Munish Kumar; Sarikaya, Murat; Krolczyk, Grzegorz M.	JOURNAL OF MANUFACTURING PROCESSES	2021	56
19	Polyphenol removal from sunflower seed and kernel: Effect on functional and rheological properties of protein isolates	Malik, Mudasir Ahmad; Saini, Charanjiv Singh	FOOD HYDROCOLLOIDS	2017	55
20	DFT calculations on molecular structures, HOMO-LUMO study, reactivity descriptors and spectral analyses of newly synthesized diorganotin(IV) 2-chloridophenylacetohydroxamate complexes	Choudhary, Vineet Kumar; Bhatt, Arvind Kumar; Dash, Dibyajit; Sharma, Neeraj	JOURNAL OF COMPUTATIONAL CHEMISTRY	2019	55
21	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, Srashti; Singhal, Rahul; Kulriya, P. K.; Singh, Fouran; Tripathi, A.; Singh, Jitendra; Joshi, U. S.; Avasthi, D. K.	SCIENTIFIC REPORTS	2019	55
22	Selective laser melting of Ti6Al4V alloy: Process parameters, defects and post-treatments	Singla, Anil Kumar; Banerjee, Mainak; Sharma, Aman; Singh, Jagtar; Bansal, Anuj; Gupta, Munish Kumar; Khanna, Navneet; Shahi, A. S.; Goyal, Deepak Kumar	JOURNAL OF MANUFACTURING PROCESSES	2021	53
23	Ecological, economical and technological perspectives based sustainability assessment in hybrid-cooling assisted machining of Ti-6Al-4 V alloy	Gupta, Munish Kumar; Song, Qinghua; Liu, Zhanqiang; Sarikaya, Murat; Jamil, Muhammad; Mia, Mozammel; Kushvaha, Vinod; Singla, Anil Kumar; Li, Zhixiong	SUSTAINABLE MATERIALS AND TECHNOLOGIES	2020	52
24	Improved deep convolution neural network (CNN) for the identification of defects in the centrifugal pump using acoustic images	Kumar, Anil; Gandhi, C. P.; Zhou, Yuqing; Kumar, Rajesh; Xiang, Jiawei	APPLIED ACOUSTICS	2020	50
25	Valorization of fruits and vegetables waste through green extraction of bioactive compounds and their nanoemulsions-based delivery system	Saini, Anuradha; Panesar, Parmjit Singh; Bera, Manab Bandhu	BIORESOURCES AND BIOPROCESSING	2019	50
26	Physicochemical, molecular and thermal properties of high-intensity ultrasound (HIUS) treated protein isolates from album (Chenopodium album) seed	Mir, Nisar A.; Riar, Charanjit S.; Singh, Sukhcharn	FOOD HYDROCOLLOIDS	2019	48
27	Multi-objective combined heat and power unit commitment using particle swarm optimization	Anand, Himanshu; Narang, Nitin; Dhillon, J. S.	ENERGY	2019	48

28	Hybrid artificial algae algorithm for economic load dispatch	Kumar, Mohit; Dhillon, J. S.	APPLIED SOFT COMPUTING	2018	47
29	Nutritional constituents of pseudo cereals and their potential use in food systems: A review	Mir, Nisar Ahmad; Riar, Charanjit Singh; Singh, Sukhcham	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2018	46
30	Performance evaluation and optimization of solar assisted air heater with discrete multiple arc shaped ribs	Kumar, Rajneesh; Goel, Varun; Singh, Paramvir; Saxena, Abhishek; Kashyap, Abhishek Singh; Rai, Amit	JOURNAL OF ENERGY STORAGE	2019	45
31	A review on emulsion liquid membrane (ELM) for the treatment of various industrial effluent streams	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	REVIEWS IN ENVIRONMENTAL SCIENCE AND BIOTECHNOLOGY	2019	45
32	Effects of gamma irradiation on starch granule structure and physicochemical properties of brown rice starch	Kumar, Pradeep; Prakash, Kumar S.; Jan, Kulsum; Swer, Tanya L.; Jan, Shumaila; Verma, Ruchi; Deepika, Km; Dar, M. Zuhaib; Verma, Kush; Bashir, Khalid	JOURNAL OF CEREAL SCIENCE	2017	45
33	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, Nisar A.; Riar, Charanjit S.; Singh, Sukhcham	FOOD CHEMISTRY	2019	44
34	A taxonomic survey on load balancing in cloud	Thakur, Avnish; Goraya, Major Singh	JOURNAL OF NETWORK AND COMPUTER APPLICATIONS	2017	44
35	Environment and economic burden of sustainable cooling/lubrication methods in machining of Inconel-800	Gupta, Munish Kumar; Song, Qinghua; Liu, Zhanqiang; Sarikaya, Murat; Jamil, Muhammad; Mia, Mozammel; Singla, Anil Kumar; Khan, Aqib Mashood; Khanna, Navneet; Pimenov, Danil Yu	JOURNAL OF CLEANER PRODUCTION	2021	42

36	Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA	L.; Adamus, M.; Aggarwal, R.; Andreev, V; Antonelli, S.; Aushev, V; Baghdasaryan, A.; Begzsuren, K.; Behnke, O.; Behrens, U.; Belousov, A.; Bertolin, A.; Bloch, I; Bolz, A.; Boudry, V; Brandt, G.; Brisson, V; Britzger, D.; Brock, I; Brook, N. H.; Brugnera, R.; Bruni, A.; Buniatyan, A.; Bussey, P. J.; Bylinkin, A.; Bystritskaya, L.; Caldwell, A.; Campbell, A. J.; Cantun Avila, K. B.; Capua, M.; Catterall, C. D.; Cerny, K.; Chekelian, V; Chwastowski, J.; Ciborowski, J.; Ciesielski, R.; Contreras, J. G.; Cooper-Sarkar, A. M.; Corradi, M.; Cvach, J.; Dainton, J. B.; Daum, K.; Dementiev, R. K.; Devenish, R. C. E.; Diaconu, C.; Dobre, M.; Dusini, S.; Eckerlin, G.; Egli, S.; Elsen, E.; Favart, L.; Fedotov, A.; Feltesse, J.; Fleischer, M.; Fomenko, A.; Foster, B.; Gallo, E.; Garfagnini, A.; Gayler, J.; Geiser, A.; Gizhko, A.; Gladilin, L. K.; Goerlich, L.; Gogitidze, N.; Golubkov, Yu A.; Gouzevitch, M.; Grab, C.; Grebenyuk, A.; Greenshaw, T.; Grindhammer, G.; Grzelak, G.; Gwenlan, C.; Haidt, D.; Henderson, R. C. W.; Hladky, J.; Hlushchenko, O.; Hochman, D.; Hoffmann, D.; Horisberger, R.; Hreus,	EUROPEAN PHYSICAL JOURNAL C	2018	42
37	Role of Signal Processing, Modeling and Decision Making in the Diagnosis of Rolling Element Bearing Defect: A Review	Kumar, Anil; Kumar, Rajesh	JOURNAL OF NONDESTRUCTIVE EVALUATION	2019	41
38	Lactic acid extraction using environmentally benign Green emulsion ionic liquid membrane	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	JOURNAL OF CLEANER PRODUCTION	2018	40
39	Modification of structure and physicochemical properties of buckwheat and oat starch by gamma-irradiation	Dar, M. Zuhaib; Deepika, Km; Jan, Kulsum; Swer, Tanya L.; Kumar, Pradeep; Verma, Ruchi; Verma, Kush; Prakash, Kumar S.; Jan, Shumaila; Bashir, Khalid	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2018	39
40	A dual-channel surface plasmon resonance biosensor based on a photonic crystal fiber for multianalyte sensing	Kaur, Veerpal; Singh, Surinder	JOURNAL OF COMPUTATIONAL ELECTRONICS	2019	38
41	Fault tolerance in cloud computing environment: A systematic survey	Hasan, Moin; Goraya, Singh	COMPUTERS IN INDUSTRY	2018	38
42	Plasmon-induced photocatalytic degradation of methylene blue dye using biosynthesized silver nanoparticles as photocatalyst	Singh, Jagdeep; Dhaliwal, A. S.	ENVIRONMENTAL TECHNOLOGY	2020	37
43	Physico-chemical, rheological and sugar profile of different unifloral honeys from Kashmir valley of India	Nayik, Gulzar Ahmad; Dar, B. N.; Nanda, Vikas	ARABIAN JOURNAL OF CHEMISTRY	2019	37
44	Novel Green Synthesis and Characterization of the Antioxidant Activity of Silver Nanoparticles Prepared from Nepeta leucophylla Root Extract	Singh, Jagdeep; Dhaliwal, Amarjit Singh	ANALYTICAL LETTERS	2019	36

45	A review on photocatalytic remediation of environmental pollutants and H <sub>2</sub> production through water splitting: A sustainable approach	Ahmad, Kaleem; Ghatak, Himadri Roy; Ahuja, S. M.	ENVIRONMENTAL TECHNOLOGY & INNOVATION	2020	35
46	Variational mode decomposition based symmetric single valued neutrosophic cross entropy measure for the identification of bearing defects in a centrifugal pump	Kumar, Anil; Gandhi, C. P.; Zhou, Yuqing; Kumar, Rajesh; Xiang, Jiawei	APPLIED ACOUSTICS	2020	35
47	Structural modification of quinoa seed protein isolates (QPIs) by variable time sonification for improving its physicochemical and functional characteristics	Mir, Nisar A.; Riar, Charanjit S.; Singh, Sukhcham	ULTRASONICS SONOCHEMISTRY	2019	35
48	Extraction of hexavalent chromium by environmentally benign green emulsion liquid membrane using tridodecylamine as an extractant	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	2019	35
49	Optimization of antioxidant activity, textural and sensory characteristics of gluten-free cookies made from whole indian quinoa flour	Jan, Khan Nadiya; Panesar, P. S.; Singh, Sukhcham	LWT-FOOD SCIENCE AND TECHNOLOGY	2018	35
50	Changes in the GABA and polyphenols contents of foxtail millet on germination and their relationship with in vitro antioxidant activity	Sharma, Seema; Saxena, Dharmesh C.; Riar, Charanjit S.	FOOD CHEMISTRY	2018	35
51	A survey and taxonomy on energy management schemes in wireless sensor networks	Singh, Jaspreet; Kaur, Ranjit; Singh, Damanpreet	JOURNAL OF SYSTEMS ARCHITECTURE	2020	34
52	Plasmon enhanced light trapping in thin film GaAs solar cells by Al nanoparticle array	Singh, Gurjit; Verma, S. S.	PHYSICS LETTERS A	2019	33
53	Synthesis, characterization and swelling behavior of silver nanoparticles containing superabsorbent based on grafted copolymer of polyacrylic acid/Guar gum	Singh, Jagdeep; Dhaliwal, A. S.	VACUUM	2018	33
54	Processing of materials at cryogenic temperature and its implications in manufacturing: A review	Singla, Anil Kumar; Singh, Jagtar; Sharma, Vishal S.	MATERIALS AND MANUFACTURING PROCESSES	2018	33
55	Sustainability and machinability improvement of Nimonic-90 using indigenously developed green hybrid machining technology	Khanna, Navneet; Agrawal, Chetan; Gupta, Munish Kumar; Song, Qinghua; Singla, Anil Kumar	JOURNAL OF CLEANER PRODUCTION	2020	32
56	Investigation of structural, hysteresis and electromagnetic parameters for microwave absorption application in doped Ba-Sr hexagonal ferrites at X-band	Kaur, Harsimrat; Marwaha, Anupma; Singh, Charanjeet; Narang, Sukhleen Bindra; Jotania, Rajshree; Jacobo, Silvia; Sombra, A. S. B.; Trukhanov, S., V; Trukhanov, A., V; Dhruv, Preksha	JOURNAL OF ALLOYS AND COMPOUNDS	2019	32
57	Dual-Tree Complex Wavelet Transform-Based Control Algorithm for Power Quality Improvement in a Distribution System	Kumar, Raj; Singh, Bhim; Shahani, D. T.; Jain, Chinmay	IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS	2017	32

58	Recent trends in extraction of plant bioactives using green technologies: A review	Kumar, Manoj; Dahuja, Anil; Tiwari, Sudha; Punia, Sneha; Tak, Yamini; Amarowicz, Ryszard; Bhoite, Anilkumar G.; Singh, Surinder; Joshi, Shourabh; Panesar, Parmjit S.; Saini, Ravi Prakash; Pihlanto, Anne; Tomar, Maharishi; Sharifi-Rad, Javad; Kaur, Charanjit	FOOD CHEMISTRY	2021	31
59	Chemistry and microbial sources of curdlan with potential application and safety regulations as prebiotic in food and health	Verma, Deepak Kumar; Niamah, Alaa Kareem; Patel, Ami R.; Thakur, Mamta; Sandhu, Kawaljit Singh; Chavez-Gonzalez, Monica L.; Shah, Nihir; Aguilar, Cristobal Noe	FOOD RESEARCH INTERNATIONAL	2020	30
60	Modeling of Process Parameters for Surface Roughness and Analysis of Machined Surface in WEDM of Al/SiC-MMC	Kumar, Harmesh; Manna, Alakesh; Kumar, Rajesh	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2018	30
61	Stinging nettle ( <i>Urtica dioica</i> L.): a reservoir of nutrition and bioactive components with great functional potential	Jan, Khan Nadiya; Zarafshan, Khan; Singh, Sukhcham	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	30
62	Taro starch: Isolation, morphology, modification and novel applications concern - A review	Singla, Deepika; Singh, Ajay; Dhull, Sanju Bala; Kumar, Pradyuman; Malik, Tanu; Kumar, Pankaj	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2020	29
63	Impact of layer rotation on micro-structure, grain size, surface integrity and mechanical behaviour of SLM Al-Si-10Mg alloy	Gupta, Munish Kumar; Singla, Anil Kumar; Ji, Hansong; Song, Qinghua; Liu, Zhanqiang; Cai, Wentong; Mia, Mozammel; Khanna, Navneet; Krolczyk, Grzegorz M.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2020	29
64	MWCNTs toward superior strength of epoxy adhesive joint on mild steel adherent	Kumar, Arun; Kumar, Kaushal; Ghosh, P. K.; Rathi, Ankit; Yadav, K. L.; Raman	COMPOSITES PART B-ENGINEERING	2018	29
65	Biocatalytic strategies in the production of galacto-oligosaccharides and its global status	Panesar, Parmjit S.; Kaur, Rupinder; Singh, Ram S.; Kennedy, John F.	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2018	29
66	Distribution transformer failure modes, effects and criticality analysis (FMECA)	Singh, Jaspreet; Singh, Sanjeev; Singh, Amanpreet	ENGINEERING FAILURE ANALYSIS	2019	28
67	Effect of gamma irradiation on structural, molecular, thermal and rheological properties of sunflower protein isolate	Malik, Mudasir Ahmad; Sharma, Harish Kumar; Saini, Charanjiv Singh	FOOD HYDROCOLLOIDS	2017	28
68	Changes in total phenolic content and color of bottle gourd ( <i>Lagenaria siceraria</i> ) juice upon conventional and ohmic blanching	Bhat, Suheela; Saini, Charanjiv Singh; Sharma, Harish Kumar	FOOD SCIENCE AND BIOTECHNOLOGY	2017	28
69	Profit based unit commitment using hybrid optimization technique	Anand, Himanshu; Narang, Nitin; Dhillon, J. S.	ENERGY	2018	27
70	Effect of angle of deposition on the Fractal properties of ZnO thin film surface	Yadav, R. P.; Agarwal, D. C.; Kumar, Manvendra; Rajput, Parasmani; Tomar, D. S.; Pandey, S. N.; Priya, P. K.; Mittal, A. K.	APPLIED SURFACE SCIENCE	2017	27
71	Chiral Ionic Liquids: Design, Synthesis and Applications in Asymmetric Organo-Catalysis	Singh, Avtar; Chopra, Harish Kumar	CURRENT ORGANIC SYNTHESIS	2017	27

72	Optimization of process variables of probe ultrasonic-assisted extraction of phenolic compounds from the peel of Punica granatum Var. Bhagwa and its chemical and bioactivity characterization	Foujdar, Rimpi; Bera, Manab Bandhu; Chopra, Harish Kumar	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2020	26
73	Proximate composition, nutritional profile and health benefits of legumes - A review	Kamboj, Rajni; Nanda, Vikas	LEGUME RESEARCH	2018	26
74	Dual head static clustering algorithm for wireless sensor networks	Panag, Tripatjot Singh; Dhillon, J. S.	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2018	26
75	Bearing defect size assessment using wavelet transform based Deep Convolutional Neural Network (DCNN)	Kumar, Anil; Zhou, Yuqing; Gandhi, C. P.; Kumar, Rajesh; Xiang, Jiawei	ALEXANDRIA ENGINEERING JOURNAL	2020	25
76	Tribological performance based machinability investigations in cryogenic cooling assisted turning of alpha-beta titanium Alloy	Gupta, Munish Kumar; Song, Qinghua; Liu, Zhanqiang; Sarikaya, Murat; Mia, Mozammel; Jamil, Muhammad; Singla, Anil Kumar; Bansal, Anuj; Pimenov, Danil Yu; Kuntoglu, Mustafa	TRIBOLOGY INTERNATIONAL	2021	24
77	Improved CNN for the diagnosis of engine defects of 2-wheeler vehicle using wavelet synchro-squeezed transform (WSST)	Kumar, Anil; Gandhi, C. P.; Zhou, Yuqing; Vashishtha, Govind; Kumar, Rajesh; Xiang, Jiawei	KNOWLEDGE-BASED SYSTEMS	2020	24
78	Simultaneous feature weighting and parameter determination of Neural Networks using Ant Lion Optimization for the classification of breast cancer	Singh, Dalwinder; Singh, Birmohan; Kaur, Manpreet	BIOCYBERNETICS AND BIOMEDICAL ENGINEERING	2020	24
79	Slurry Erosion Behavior of HVOF-Sprayed WC-10Co-4Cr Coated SS 316 Steel with and Without PTFE Modification	Bansal, Anuj; Singh, Jagtar; Singh, Harpreet	JOURNAL OF THERMAL SPRAY TECHNOLOGY	2019	24
80	Exploring the influence of heat moisture treatment on physicochemical, pasting, structural and morphological properties of mango kernel starches from Indian cultivars	Bharti, Indu; Singh, Sukhcham; Saxena, D. C.	LWT-FOOD SCIENCE AND TECHNOLOGY	2019	24
81	Improvement of functional properties of sunflower protein isolates near isoelectric point: Application of heat treatment	Malik, Mudasar Ahmad; Saini, Charanjiv Singh	LWT-FOOD SCIENCE AND TECHNOLOGY	2018	24
82	Edible films developed from carboxylic acid cross-linked sesame protein isolate: barrier, mechanical, thermal, crystalline and morphological properties	Sharma, Loveleen; Sharma, Harish Kumar; Saini, Charanjiv Singh	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2018	24
83	Effect of germination on chemical, functional and nutritional characteristics of wheat, brown rice and triticale: a comparative study	Sibian, Mandeep S.; Saxena, Dharmesh C.; Riar, Charanjit S.	JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE	2017	24
84	Processing and evaluation of heat moisture treated (HMT) amaranth starch noodles; An inclusive comparison with corn starch noodles	Chandla, Narender K.; Saxena, D. C.; Singh, Sukhcham	JOURNAL OF CEREAL SCIENCE	2017	24

85	Bearing defect identification by swarm decomposition considering permutation entropy measure and opposition-based slime mould algorithm	Vashishtha, Govind; Chauhan, Sumika; Singh, Manpreet; Kumar, Rajesh	MEASUREMENT	2021	23
86	Emended salp swarm algorithm for multiobjective electric power dispatch problem	Kansal, Veenus; Dhillon, J. S.	APPLIED SOFT COMPUTING	2020	23
87	A comparative study on experimental and response surface optimization of lactic acid synergistic extraction using green emulsion liquid membrane	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	SEPARATION AND PURIFICATION TECHNOLOGY	2019	23
88	Energy harvesting in wireless sensor networks: A taxonomic survey	Singh, Jaspreet; Kaur, Ranjit; Singh, Damanpreet	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	2021	22
89	Profit based unit commitment using memetic binary differential evolution algorithm	Dhaliwal, Jatinder Singh; Dhillon, J. S.	APPLIED SOFT COMPUTING	2019	22
90	Design approach of solid-core photonic crystal fiber sensor with sensing ring for blood component detection	Kaur, Veerpal; Singh, Surinder	JOURNAL OF NANOPHOTONICS	2019	22
91	Chiral Recognition Methods in Analytical Chemistry: Role of the Chiral Ionic Liquids	Singh, Avtar; Kaur, Nirmaljeet; Chopra, Harish Kumar	CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY	2019	22
92	Two-way Ranking Based Service Mapping in Cloud Environment	Yadav, Neeraj; Goraya, Major Singh	FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE	2018	22
93	Technological, processing and nutritional aspects of chickpea (Cicer arietinum) - A review	Kaur, Ravneet; Prasad, Kamlesh	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2021	21
94	Laser cladding technique for erosive wear applications: a review	Singh, Sarpreet; Goyal, Deepak Kumar; Kumar, Parlad; Bansal, Anuj	MATERIALS RESEARCH EXPRESS	2020	21
95	Lactic acid and its separation and purification techniques: A review	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	REVIEWS IN ENVIRONMENTAL SCIENCE AND BIOTECHNOLOGY	2019	21
96	Comparative study of raw and germinated Chenopodium (Chenopodium album) flour on the basis of thermal, rheological, minerals, fatty acid profile and phytochemicals	Jan, Romee; Saxena, D. C.; Singh, Sukhcham	FOOD CHEMISTRY	2018	21
97	A biopolymer-based composite hydrogel for rhodamine 6G dye removal: its synthesis, adsorption isotherms and kinetics	Bhullar, Navneet; Kumari, Kamlesh; Sud, Dhiraj	IRANIAN POLYMER JOURNAL	2018	21
98	Statistical optimization of lactic acid extraction using Green Emulsion Ionic Liquid Membrane (GEILM)	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2018	21
99	Physicochemical and functional properties of gamma irradiated buckwheat and potato starch	Verma, Ruchi; Jan, Shumaila; Rani, Savita; Jan, Kulsum; Swer, Tanya L.; Prakash, Kumar S.; Dar, M. Z.; Bashir, Khalid	RADIATION PHYSICS AND CHEMISTRY	2018	21



100	Enhanced efficiency of thin film GaAs solar cells with plasmonic metal nanoparticles	Singh, Gurjit; Verma, S. S.	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	2018	21
101	Gamma irradiation of alkali extracted protein isolate from dephenolized sunflower meal	Malik, Mudasir Ahmad; Saini, Charanjiv Singh	LWT-FOOD SCIENCE AND TECHNOLOGY	2017	21
102	Unraveling the scientific perspectives of citrus by-products utilization: Progress towards circular economy	Panwar, Divyani; Saini, Anuradha; Panesar, Parmjit S.; Chopra, Harish K.	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2021	20
103	Biodegradation kinetic modeling of oxo-biodegradable polypropylene/polylactide/nanoclay blends and composites under controlled composting conditions	Sable, Sunil; Mandal, Dev K.; Ahuja, Sanjeev; Bhunia, Haripada	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2019	20
104	Metallurgical, impact and fatigue performance of electron beam welded duplex stainless steel joints	Singh, Jastej; Shahi, A. S.	JOURNAL OF MATERIALS PROCESSING TECHNOLOGY	2019	20
105	Heat treatment of sunflower protein isolates near isoelectric point: Effect on rheological and structural properties	Malik, Mudasir Ahmad; Saini, Charanjiv Singh	FOOD CHEMISTRY	2019	20
106	Adaptive network architecture and firefly algorithm for biogas heating model aided by photovoltaic thermal greenhouse system	Singh, Gurinderpal; Jain, V. K.; Singh, Amanpreet	ENERGY & ENVIRONMENT	2018	20
107	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, Seema; Saxena, Dharmesh C.; Riar, Charanjit S.	FOOD CHEMISTRY	2017	20
108	Least Square Fitting for Adaptive Wavelet Generation and Automatic Prediction of Defect Size in the Bearing Using Levenberg-Marquardt Backpropagation	Kumar, Anil; Kumar, Rajesh	JOURNAL OF NONDESTRUCTIVE EVALUATION	2017	20
109	Simulation for whole-body vibration to assess ride comfort of a low-medium speed railway vehicle	Kumar, Vivek; Rastogi, Vikas; Pathak, P. M.	SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL	2017	20
110	Performance analysis of spectrally encoded hybrid WDM-OCDMA network employing optical orthogonal modulation format against eavesdropper	Singh, Sukhbir; Singh, Surinder	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2017	20
111	A survey on QoS mechanisms in WSN for computational intelligence based routing protocols	Kaur, Tarunpreet; Kumar, Dilip	WIRELESS NETWORKS	2020	19
112	Synthesis and applications of carbohydrate based chiral ionic liquids as chiral recognition agents and organocatalysts	Kaur, Nirmaljeet; Chopra, Harish Kumar	JOURNAL OF MOLECULAR LIQUIDS	2020	19
113	Investigations on Amphoteric Chitosan/TiO <sub>2</sub> Bionanocomposites for Application in Visible Light Induced Photocatalytic Degradation	Bahal, M.; Kaur, N.; Sharotri, Nidhi; Sud, Dhiraj	ADVANCES IN POLYMER TECHNOLOGY	2019	19

114	Hybridization of feature selection and feature weighting for high dimensional data	Singh, Dalwinder; Singh, Birmohan	APPLIED INTELLIGENCE	2019	19
115	Elucidation of microwave absorption mechanisms in Co-Ga substituted Ba-Sr hexaferrites in X-band	Kaur, Harsimrat; Singh, Charanjeet; Marwaha, Anupma; Narang, Sukhleen Bindra; Jotania, Rajshree; Mishra, Sanjay R.; Bai, Yang; Raju, K. C. James; Singh, Dharmendra; Ghimire, Madhav; Dhruv, Preksha; Sombra, A. S. B.	JOURNAL OF MATERIALS SCIENCE- MATERIALS IN ELECTRONICS	2018	19
116	Modeling and desirability approach-based multi-response optimization of WEDM parameters in machining of aluminum metal matrix composite	Kumar, Harmesh; Manna, Alakesh; Kumar, Rajesh	JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING	2018	19
117	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, Romee; Saxena, Dharmesh Chander; Singh, Sukhcham	INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY	2017	19
118	Study on Power Ultrasound Optimization and Its Comparison with Conventional Thermal Processing for Treatment of Raw Honey	Janghu, Sandeep; Bera, Manab B.; Nanda, Vikas; Rawson, Ashish	FOOD TECHNOLOGY AND BIOTECHNOLOGY	2017	19
119	EACO and FABC to multi-path data transmission in wireless sensor networks	Kumar, Rajeev; Kumar, Dilip; Kumar, Dinesh	IET COMMUNICATIONS	2017	19
120	Large electronic sputtering yield of nanodimensional Au thin films: Dominant role of thermal conductivity and electron phonon coupling factor	Singh, Udai B.; Pannu, Compesh; Agarwal, Dinesh C.; Ojha, Sunil; Khan, Saif A.; Ghosh, Santanu; Avasthi, Devesh K.	JOURNAL OF APPLIED PHYSICS	2017	19
121	Energy and resource efficient workflow scheduling in a virtualized cloud environment	Garg, Neha; Singh, Damanpreet; Goraya, Major Singh	CLUSTER COMPUTING- THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2021	18
122	An Optimal Fourth Order Derivative-Free Numerical Algorithm for Multiple Roots	Kumar, Sunil; Kumar, Deepak; Sharma, Janak Raj; Cesarano, Clemente; Agarwal, Praveen; Chu, Yu-Ming	SYMMETRY-BASEL	2020	18
123	Structural modification in album (Chenopodium album) protein isolates due to controlled thermal modification and its relationship with protein digestibility and functionality	Mir, Nisar A.; Riar, Charanjit S.; Singh, Sukhcham	FOOD HYDROCOLLOIDS	2020	18
124	Sensory, rheological and chemical characteristics during storage of set type full fat yoghurt fortified with barley beta-glucan	Kaur, Ramandeep; Riar, Charanjit S.	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY- MYSORE	2020	18
125	Unit commitment considering dual-mode combined heat and power generating units using integrated optimization technique	Anand, Himanshu; Narang, Nitin; Dhillon, J. S.	ENERGY CONVERSION AND MANAGEMENT	2018	18
126	p53-Mdm2 Interaction Inhibitors as Novel Nongenotoxic Anticancer Agents	Nayak, Surendra Kumar; Khatik, Gopal L.; Narang, Rakesh; Monga, Vikramdeep; Chopra, Harish Kumar	CURRENT CANCER DRUG TARGETS	2018	18
127	Process standardization for isolation of quinoa starch and its characterization in comparison with other starches	Jan, Khan Nadiya; Panesar, P. S.; Singh, Sukhcham	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	17

128	Enhancing Weak Defect Features Using Undecimated and Adaptive Wavelet Transform for Estimation of Roller Defect Size in a Bearing	Kumar, Anil; Kumar, Rajesh	TRIBOLOGY TRANSACTIONS	2017	18
129	Cluster Head Selection in Heterogeneous Wireless Sensor Network Using a New Evolutionary Algorithm	Chauhan, Sumika; Singh, Manmohan; Aggarwal, Ashwani Kumar	WIRELESS PERSONAL COMMUNICATIONS	2021	17
130	Optimization of ultrasound assisted extraction of polyphenols from Meghalayan cherry fruit ( <i>Prunus nepalensis</i> ) using response surface methodology (RSM) and artificial neural network (ANN) approach	Kashyap, Piyush; Riar, Charanjit Singh; Jindal, Navdeep	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2021	17
131	A First Principle Study of Structural, Electronic, and Vibrational Properties of LuPdBi Half-Heusler Alloy	Gupta, Yuhit; Sinha, Murari Mohan; Verma, Suram Singh	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	2019	17
132	L(+)-Lactic Acid Production by Immobilized <i>Lactobacillus casei</i> Using Low Cost Agro-Industrial Waste as Carbon and Nitrogen Sources	Thakur, Avinash; Panesar, Parmjit Singh; Saini, Manohar Singh	WASTE AND BIOMASS VALORIZATION	2019	17
133	Adaptive artificial intelligence for automatic identification of defect in the angular contact bearing	Kumar, Anil; Kumar, Rajesh	NEURAL COMPUTING & APPLICATIONS	2018	17
134	Stability analysis of environmentally benign green emulsion liquid membrane	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY	2018	17
135	Thermo-rheological and functional properties of gamma-irradiated wholewheat flour	Bashir, Khalid; Jan, Kulsum; Aggarwal, Manjeet	INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY	2017	17
136	Valuation of <i>Citrus reticulata</i> (kinnow) peel for the extraction of lutein using ultrasonication technique	Saini, Anuradha; Panesar, Parmjit Singh; Bera, Manab Bandhu	BIOMASS CONVERSION AND BIOREFINERY	2021	16
137	An effective health indicator for the Pelton wheel using a Levy flight mutated genetic algorithm	Vashishtha, Govind; Kumar, Rajesh	MEASUREMENT SCIENCE AND TECHNOLOGY	2021	16
138	A comprehensive review on synthetic approaches for metal-organic frameworks: From traditional solvothermal to greener protocols	Sud, Dhiraj; Kaur, Gagandeep	POLYHEDRON	2021	16
139	Banana starch: Properties, description, and modified variations A review	Kaur, Lovepreet; Dhull, Sanju Bala; Kumar, Pradyuman; Singh, Ajay	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2020	16
140	Numerical inverse Laplace transform based on Bernoulli polynomials operational matrix for solving nonlinear differential equations	Rani, Dimple; Mishra, Vinod	RESULTS IN PHYSICS	2020	16
141	Abrasive Wear Behavior of Cryogenically Treated Boron Steel (30MnCrB4) Used for Rotavator Blades	Singh, Tejinder Pal; Singla, Anil Kumar; Singh, Jagtar; Singh, Kulwant; Gupta, Munish Kumar; Ji, Hansong; Song, Qinghua; Liu, Zhanqiang; Pruncu, Catalin I.	MATERIALS	2020	16
142	Recent Trends on the Valorization Strategies for the Management of Citrus By-products	Panwar, Divyani; Panesar, Parmjit S.; Chopra, Harish K.	FOOD REVIEWS INTERNATIONAL	2021	16
143	On a Class of Optimal Fourth Order Multiple Root Solvers without Using Derivatives	Sharma, Janak Raj; Kumar, Sunil; Jantschi, Lorentz	SYMMETRY-BASEL	2019	16

144	Water retention and controlled release of KCl by using microwave-assisted green synthesis of xanthan gum-cl-poly (acrylic acid)/AgNPs hydrogel nanocomposite	Singh, Jagdeep; Dhaliwal, A. S.	POLYMER BULLETIN	2020	16
145	Tuning the optical properties of Fe-Au core-shell nanoparticles with spherical and spheroidal nanostructures	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	PHYSICS LETTERS A	2019	16
146	Biocomposite edible coatings based on cross linked-sesame protein and mango puree for the shelf life stability of fresh-cut mango fruit	Sharma, Loveleen; Saini, Charanjiv Singh; Sharma, Harish Kumar; Sandhu, Kawaljit Singh	JOURNAL OF FOOD PROCESS ENGINEERING	2019	16
147	Weld joint design and thermal aging influence on the metallurgical, sensitization and pitting corrosion behavior of AISI 304L stainless steel welds	Singh, Jastej; Shahi, A. S.	JOURNAL OF MANUFACTURING PROCESSES	2018	16
148	Assessment of physico-chemical properties, fatty acid, amino acid and mineral profile of bee pollen from India with a multivariate perspective	Thakur, Mamta; Nanda, Vikas	JOURNAL OF FOOD AND NUTRITION RESEARCH	2018	16
149	Effect of dextrose equivalency of maltodextrin together with Arabic gum on properties of encapsulated beetroot juice	Bazaria, Bindu; Kumar, Pradyuman	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	16
150	Diversity driven multi-parent evolutionary algorithm with adaptive non-uniform mutation	Chauhan, Sumika; Singh, Manmohan; Aggarwal, Ashwani Kumar	JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE	2021	15
151	A comparative study to evaluate the corrosion performance of Zr incorporated Cr <sub>3</sub> C <sub>2</sub> -(NiCr) coating at 900 degrees C	Ahuja, Lalit; Mudgal, Deepa; Singh, Surendra; Prakash, Satya	CERAMICS INTERNATIONAL	2018	15
152	Physical, Mechanical, Morphological, and Barrier Properties of Elephant Foot Yam Starch, Whey Protein Concentrate and psyllium Husk Based Composite Biodegradable Films	Sukhija, Sakshi; Singh, Sukhcham; Riar, Charanjit S.	POLYMER COMPOSITES	2018	15
153	Limitations on Hybrid WDM/OTDM Multicast Overlay System Imposed by Nonlinear Polarization Effect and its Mitigation	Singh, Sukhbir; Singh, Surinder	IEEE PHOTONICS JOURNAL	2017	15
154	Visible light responsive Mn-S-co-doped TiO <sub>2</sub> photocatalyst - Synthesis, characterization and mechanistic aspect of photocatalytic degradation	Sharotri, Nidhi; Sud, Dhiraj	SEPARATION AND PURIFICATION TECHNOLOGY	2017	15
155	Physicochemical, cooking, and textural characteristics of grains of different rice (Oryza sativa L.) cultivars of temperate region of India and their interrelationships	Bhat, Farhan M.; Riar, Charanjit S.	JOURNAL OF TEXTURE STUDIES	2017	15
156	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, Sukhbir; Singh, Surinder	OPTICS COMMUNICATIONS	2017	15

157	Noise subtraction and marginal enhanced square envelope spectrum (MESES) for the identification of bearing defects in centrifugal and axial pump	Kumar, Anil; Tang, Hesheng; Vashishtha, Govind; Xiang, Jiawei	MECHANICAL SYSTEMS AND SIGNAL PROCESSING	2022	14
158	Red pomelo peel pectin based edible composite films: Effect of pectin incorporation on mechanical, structural, morphological and thermal properties of composite films	Sood, Aditi; Saini, C. S.	FOOD HYDROCOLLOIDS	2022	14
159	Enhanced photocurrent in thin-film GaAs solar cells with embedded Al nanoparticles	Singh, Gurjit; Sekhon, Jagmeet Singh; Verma, S. S.	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	2020	14
160	Controlled release of amoxicillin and antioxidant potential of gold nanoparticles-xanthan gum/poly (Acrylic acid) biodegradable nanocomposite	Singh, Jagdeep; Kumar, Sachin; Dhaliwal, A. S.	JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY	2020	14
161	Metallurgical and corrosion characterization of electron beam welded duplex stainless steel joints	Singh, Jastej; Shahi, A. S.	JOURNAL OF MANUFACTURING PROCESSES	2020	14
162	Design and analysis of thin film GaAs solar cells using silver nanoparticle plasmons	Singh, Gurjit; Verma, S. S.	PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS	2019	14
163	Comprehensive Controller Implementation for Wind-PV-Diesel Based Standalone Microgrid	Rezkallah, Miloud; Singh, Sanjeev; Chandra, Ambrish; Singh, Bhim; Tremblay, Marco; Saad, Maarouf; Geng, Hua	IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS	2019	14
164	Effect of composition, granular morphology and crystalline structure on the pasting, textural, thermal and sensory characteristics of traditional rice cultivars	Bhat, Farhan Mohiuddin; Riar, Charanjit Singh	FOOD CHEMISTRY	2019	14
165	Influence of alkali treatment on physicochemical, pasting, morphological and structural properties of mango kernel starches derived from Indian cultivars	Bharti, Indu; Singh, Sukhcham; Saxena, D. C.	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2019	14
166	Extraction, identification and assessment of antioxidative compounds of bran extracts of traditional rice cultivars: An analytical approach	Bhat, Farhan M.; Riar, Charanjit S.	FOOD CHEMISTRY	2017	14
167	Corrosion behaviour of Cr3C2-NiCr coated superalloys under actual medical waste incinerator	Mudgal, Deepa; Ahuja, Lalit; Singh, Surendra; Prakash, Satya	SURFACE & COATINGS TECHNOLOGY	2017	14
168	Effect of hydrocolloids on microstructure, texture and quality characteristics of gluten-free pasta	Chauhan, Arti; Saxena, D. C.; Singh, Sukhcham	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	14
169	Vanillin Formation by Electrooxidation of Lignin on Stainless Steel Anode: Kinetics and By-Products	Singh, Sandeep; Ghatak, Himadri Roy	JOURNAL OF WOOD CHEMISTRY AND TECHNOLOGY	2017	14
170	An amended grey wolf optimization with mutation strategy to diagnose bucket defects in Pelton wheel	Vashishtha, Govind; Kumar, Rajesh	MEASUREMENT	2022	13
171	Sparse transfer learning for identifying rotor and gear defects in the mechanical machinery	Kumar, Anil; Vashishtha, Govind; Gandhi, C. P.; Tang, Hesheng; Xiang, Jiawei	MEASUREMENT	2021	13

172	The genus Nepeta : Traditional uses, phytochemicals and pharmacological properties	Sharma, Ajay; Cooper, Raymond; Bhardwaj, Garima; Cannoo, Damanjit Singh	JOURNAL OF ETHNOPHARMACOLOGY	2021	13
173	Design of dual polarized tetra core PCF based plasmonic RI sensor for visible-IR spectrum	Shakya, Amit Kumar; Singh, Surinder	OPTICS COMMUNICATIONS	2021	13
174	Erosive wear behaviour of HVOF-sprayed Ni-20Cr(2)O(3) coating on pipeline materials	Bansal, Anuj; Goyal, Deepak Kumar; Singh, Prabhjot; Singla, Anil Kumar; Gupta, Munish Kumar; Bala, Niraj; Kolte, Jayant; Setia, Gautam	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	2020	13
175	Status of Bioactive Compounds from Bran of Pigmented Traditional Rice Varieties and Their Scope in Production of Medicinal Food with Nutraceutical Importance	Bhat, Farhan Mohiuddin; Sommano, Sarana Rose; Riar, Charanjit Singh; Seesuriyachan, Phisit; Chaiyaso, Thanongsak; Prom-u-Thai, Chanakan	AGRONOMY-BASEL	2020	13
176	An effective health indicator for bearing using corrected conditional entropy through diversity-driven multi-parent evolutionary algorithm	Chauhan, Sumika; Singh, Manmohan; Kumar Aggarwal, Ashwani	STRUCTURAL HEALTH MONITORING-AN INTERNATIONAL JOURNAL	2020	13
177	Erosion behavior of hydrophobic polytetrafluoroethylene (PTFE) coatings with different thicknesses	Bansal, Anuj; Singh, Jagtar; Singh, Harpreet	WEAR	2020	13
178	Advances in urea and thiourea catalyzed ring opening polymerization: A brief overview	Jain, Isha; Malik, Payal	EUROPEAN POLYMER JOURNAL	2020	13
179	Recent developments on sustainable solvents for emulsion liquid membrane processes	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	JOURNAL OF CLEANER PRODUCTION	2019	13
180	A low leakage TG-CNTFET-based inexact full adder for low power image processing applications	Goyal, Candy; Ubhi, Jagpal Singh; Raj, Balwinder	INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS	2019	13
181	Oscillatory behavior-based wavelet decomposition for the monitoring of bearing condition in centrifugal pumps	Kumar, Anil; Kumar, Rajesh	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J- JOURNAL OF ENGINEERING TRIBOLOGY	2018	13
182	Composite Film Developed From the Blends of Sesame Protein Isolate and Gum Rosin and Their Properties Thereof	Sharma, Loveleen; Singh, Charanjiv	POLYMER COMPOSITES	2018	13
183	Gluten free approach in fat and sugar amended biscuits: A healthy concern for obese and diabetic individuals	Singh, Ajay; Kumar, Pradyuman	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2018	13
184	Performance analysis of multichannel surface plasmon resonance sensor with dual coating of conducting metal oxide	Kaur, Veerpal; Singh, Surinder	JOURNAL OF NANOPHOTONICS	2018	13
185	Determination of Main Parameters Affecting Ozone Bleaching of Wheat Straw Pulp Using Plackett-Burman Design	Tripathi, Sandeep Kumar; Bhardwaj, Nishi Kant; Ghatak, Himadri Roy	OZONE-SCIENCE & ENGINEERING	2018	13
186	Process optimization for extraction of bioactive compounds from taro (Colocasia esculenta), using RSM and ANFIS modeling	Kumar, Vivek; Sharma, H. K.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	13

187	Effect of extraction conditions on the bioactive compounds from Moringa oleifera (PKM 1) seeds and their identification using LC-MS	Premi, Monica; Sharma, H. K.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	13
188	Stress analysis of lower back using EMG signal	Tyagi, Pratibha; Arora, Ajat Shatru; Rastogi, Vikas	BIOMEDICAL RESEARCH-INDIA	2017	13
189	Adaptive sensitive frequency band selection for VMD to identify defective components of an axial piston pump	Kumar, Anil; Gandhi, C. P.; Tang, Hesheng; Vashishtha, Govind; Kumar, Rajesh; Zhou, Yuqing; Xiang, Jiawei	CHINESE JOURNAL OF AERONAUTICS	2022	12
190	Autocorrelation energy and aquila optimizer for MED filtering of sound signal to detect bearing defect in Francis turbine	Vashishtha, Govind; Kumar, Rajesh	MEASUREMENT SCIENCE AND TECHNOLOGY	2022	12
191	Tacho-less sparse CNN to detect defects in rotor-bearing systems at varying speed	Kumar, Anil; Vashishtha, Govind; Gandhi, C. P.; Tang, Hesheng; Xiang, Jiawei	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	2021	12
192	Bio-funcional components in mushrooms, a health opportunity: Ergothionine and huitlacohe as recent trends	Martinez-Medina, Gloria A.; Chavez-Gonzalez, Monica L.; Verma, Deepak Kumar; Prado-Barragan, L. Arely; Martinez-Hernandez, Jose L.; Flores-Gallegos, Adriana C.; Thakur, Mamta; Srivastav, Prem Prakash; Aguilar, Cristobal N.	JOURNAL OF FUNCTIONAL FOODS	2021	12
193	Design of D-Shaped PCF-SPR sensor with dual coating of ITO and ZnO conducting metal oxide	Kaur, Veerpal; Singh, Surinder	OPTIK	2020	12
194	Lattice dynamics of novel Heusler alloys MnY(2)Z (Z = Al and Si)	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	PHYSICA B-CONDENSED MATTER	2020	12
195	Development of a Modified Hilbert Curve Fractal Antenna for Multiband Applications	Kumar, Ashwini; Pharwaha, Amar Partap Singh	IETE JOURNAL OF RESEARCH	2020	12
196	Recognition of Underlying Causes of Power Quality Disturbances Using Stockwell Transform	Kumar, Rajat; Singh, Bhim; Kumar, Raj; Marwaha, Sanjay	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	2020	12
197	Automated approaches for ROIs extraction in medical thermography: a review and future directions	Singh, Jaspreet; Arora, Ajat Shatru	MULTIMEDIA TOOLS AND APPLICATIONS	2020	12
198	Influences of Latent Heat on Temperature Field, Weld Bead Dimensions and Melting Efficiency During Welding Simulation	Singh, Bharat; Singhal, Piyush; Saxena, Kuldeep K.; Saxena, Ravindra K.	METALS AND MATERIALS INTERNATIONAL	2021	12
199	Exploring the physical, functional, thermal, and textural properties of bee pollen from different botanical origins of India	Thakur, Mamta; Nanda, Vikas	JOURNAL OF FOOD PROCESS ENGINEERING INTERNATIONAL	2020	12
200	Design and analysis of CNTFET based 10T SRAM for high performance at nanoscale	Kumar, Mukesh; Ubhi, Jagpal Singh	INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS	2019	12

201	Limits on contact interactions and leptokuarks at HERA	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, Yu. 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, H.; Krupa, B.; Kuprash, O.; Kuze, M.; Levchenko, B. B.; Levy, A.; Libov, V.; Lisovyi, M.; Loehr, B.; Lohrmann, E.; Longhin, A.; Lukina, O. Yu.; Makarenko, I.; Malka, J.; Masciocchi, S.; Idris, F. Mohamad; Nasir, N. Mohammad; Myronenko, V.; Nagano, K.; Nam, J. D.; Nicassio, M.; Onderwaater, J.; Onishchuk, Yu.; Paul, E.; Pidhurskiy, I.; Pokrovskiy,	PHYSICAL REVIEW D	2019	12
202	Recent Advances in Applications of Supported Ionic Liquids	Kaur, Pawanpreet; Chopra, Harish Kumar	CURRENT ORGANIC CHEMISTRY	2019	12
203	Erosion wear evaluation of HVOF sprayed WC-12Co coating on some pipeline materials using Taguchi approach	Singh, P.; Bansal, A.; Goyal, D. Kumar	KOVOVE MATERIALY-METALLIC MATERIALS	2019	12
204	Antioxidant and antimicrobial potential of selected varieties of Piper betle L. ( Betel leaf)	Sarma, Chayanika; Rasane, Prasad; Kaur, Sawinder; Singh, Jyoti; Singh, Joginder; Gat, Yogesh; Garba, Umar; Kaur, Damanpreet; Dhawan, Kajal	ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS	2018	12
205	Development of highly selective novel fluorescence quenching probe based on Bi <sub>2</sub> S <sub>3</sub> -TiO <sub>2</sub> nanoparticles for sensing the Fe(III)	Syal, Abhinandan; Sud, Dhiraj	SENSORS AND ACTUATORS B-CHEMICAL	2018	12
206	Rheological, thermal, micro structural and functional properties of freeze dried onion powders as affected by sprouting	Majid, Ishrat; Dar, B. N.; Nanda, Vikas	FOOD BIOSCIENCE	2018	12
207	An approach for classification of malignant and benign microcalcification clusters	Singh, Birmohan; Kaur, Manpreet	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2018	12
208	Norm Inequalities Related to the Heron and Heinz Means	Kapil, Yogesh; Conde, Cristian; Moslehian, Mohammad Sal; Singh, Mandeep; Sababbeh, Mohammad	MEDITERRANEAN JOURNAL OF MATHEMATICS	2017	12
209	An approach for feature selection using local searching and global optimization techniques	Tiwari, Sadhana; Singh, Birmohan; Kaur, Manpreet	NEURAL COMPUTING & APPLICATIONS	2017	12



210	Response surface optimization for cellulose production from agro industrial waste by using new bacterial isolate <i>Gluconacetobacter xylinus</i> C18	Singh, Omchand; Panesar, Parmjit S.; Chopra, Harish K.	FOOD SCIENCE AND BIOTECHNOLOGY	2017	12
211	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, Farhan M.; Riar, Charanjit S.	JOURNAL OF CEREAL SCIENCE	2017	12
212	Process optimization of spray drying of beetroot Juice	Singh, Bhupinder; Hathan, Bahadur Singh	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2017	12
213	EFFECT OF THERMAL AND ALTERNATE THERMAL PROCESSING ON BOTTLE GOURD ( <i>LAGENARIA SICERARIA</i> ) JUICE	Bhat, Suheela; Saini, Charanjiv Singh; Kumar, Manish; Sharma, Harish Kumar	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	12
214	A comparative study of effects of extraction solvents/techniques on percentage yield, polyphenolic composition, and antioxidant potential of various extracts obtained from stems of <i>Nepeta leucophylla</i> : RP-HPLC-DAD assessment of its polyphenolic constituents	Sharma, Ajay; Cannoo, Damanjit Singh	JOURNAL OF FOOD BIOCHEMISTRY	2017	12
215	S-Substituted-2-mercaptobenzthiazolium-based chiral ionic liquids: efficient organocatalysts for enantioselective sodium borohydride reductions of prochiral ketones	Singh, Avtar; Chopra, Harish Kumar	TETRAHEDRON-ASYMMETRY	2017	12
216	Response surface methodology (RSM) mediated interaction of media concentration and process parameters for the pigment production by <i>Monascus purpureus</i> MTCC 369 under solid state fermentation	Sehrawat, Rachna; Panesar, Paramjit S.; Swer, Tanya L.; Kumar, Anit	PIGMENT & RESIN TECHNOLOGY	2017	12
217	VMD based trigonometric entropy measure: a simple and effective tool for dynamic degradation monitoring of rolling element bearing	Kumar, Anil; Gandhi, C. P.; Vashishtha, Govind; Kundu, Pradeep; Tang, Hesheng; Glowacz, Adam; Shukla, Rajendra Kumar; Xiang, Jiawei	MEASUREMENT SCIENCE AND TECHNOLOGY	2022	11
218	Tool wear, hole quality, power consumption and chip morphology analysis for drilling Ti-6Al-4V using LN2 and LCO2	Shah, Prassan; Khanna, Navneet; Singla, Anil Kumar; Bansal, Anuj	TRIBOLOGY INTERNATIONAL	2021	11
219	Bearing defect identification via evolutionary algorithm with adaptive wavelet mutation strategy	Chauhan, Sumika; Singh, Manmohan; Aggarwal, Ashwani Kumar	MEASUREMENT	2021	11
220	Improvement in the functional properties of quinoa ( <i>Chenopodium quinoa</i> ) protein isolates after the application of controlled heat-treatment: Effect on structural properties	Mir, Nisar A.; Riar, Charanjit S.; Singh, Sukhcharn	FOOD STRUCTURE-NETHERLANDS	2021	11
221	The design of a reconfigurable all-optical logic device based on cross-phase modulation in a highly nonlinear fiber	Lovkesh; Sharma, Vishal; Singh, Surinder	JOURNAL OF COMPUTATIONAL ELECTRONICS	2021	11

222	Solution of Benjamin-Bona-Mahony-Burgers equation using collocation method with quintic Hermite splines	Arora, Shelly; Jain, Rajiv; Kukreja, V. K.	APPLIED NUMERICAL MATHEMATICS	2020	11
223	Influence of cryogenic treatment on mechanical performance of friction stir Al-Zn-Cu alloy weldments	Bansal, Anuj; Singla, Anil Kumar; Dwivedi, Vinay; Goyal, Deepak Kumar; Singla, Jonny; Gupta, Munish Kumar; Krolczyk, Grzegorz M.	JOURNAL OF MANUFACTURING PROCESSES	2020	11
224	Two-particle azimuthal correlations as a probe of collective behaviour in deep inelastic ep scattering at HERA	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, Yu 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.; Loehr, B.; Lohrmann, E.; Longhin, A.; Lukina, O. Yu; Makarenko, I; Malka, J.; Masciocchi, S.; Nagano, K.; Nam, J. D.; Onderwaater, J.; Onishchuk, Yu; Paul, E.; Pidhurskyi, I; Polini, A.; Przybycien, M.; Quintero, A.; Ruspa, M.; Saxon, D. H.; Schneekloth, U.; Schoerner-Sadenius, T.; Selyuzhenkov, I; Shchedrolosiev, M.; Shcheglova, L. M.; Skillicorn, I. O.; Slominski, W.; Solano, A.; Stanco, L.; Stefaniuk, N.; Stopa, P.; Surrow, B.;	JOURNAL OF HIGH ENERGY PHYSICS	2020	11
225	Biospeckle laser technique - A novel non-destructive approach for food quality and safety detection	Pandiselvam, R.; Mayookha, V. P.; Kothakota, Anjineyulu; Ramesh, S., V; Thirumdas, Rohit; Juvvi, Praneeth	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2020	11
226	A conglomerated ion-motion and crisscross search optimizer for electric power load dispatch	Kumar, Mohit; Dhillon, J. S.	APPLIED SOFT COMPUTING	2019	11
227	Effect of particle and surface properties on flowability of rice flours	Jan, Shumaila; Karde, Vikram; Ghoroi, Chinmay; Saxena, D. C.	FOOD BIOSCIENCE	2018	11
228	A hybrid WDM ring-tree topology delivering efficient utilization of bandwidth over resilient infrastructure	Singh, Sukhbir; Singh, Surinder	PHOTONIC NETWORK COMMUNICATIONS	2018	11
229	Development of crosslinked sesame protein and pineapple extract-based bilayer coatings for shelf-life extension of fresh-cut pineapple	Sharma, Loveleen; Saini, Charanjiv Singh; Sharma, Harish Kumar	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2018	11
230	Exploring Low-Cost Natural Precursors as Chiral Building Blocks in Synthesis: Chiral Carbohydrate-Ionic Liquids	Kaur, Nirmaljeet; Singh, Avtar; Chopra, Harish Kumar	MINI-REVIEWS IN ORGANIC CHEMISTRY	2018	11

231	Parametric Optimization of Lactic Acid Production by Immobilized Lactobacillus casei Using Box-Behnken Design	Thakur, Avinash; Panesar, Parmjit Singh; Saini, Manohar Singh	PERIODICA POLYTECHNICA-CHEMICAL ENGINEERING	2018	11
232	A symbiosis of arithmetic optimizer with slime mould algorithm for improving global optimization and conventional design problem	Chauhan, Sumika; Vashishtha, Govind; Kumar, Anil	JOURNAL OF SUPERCOMPUTING	2022	10
233	Development and Characterization of Fenugreek Protein-Based Edible Film	Kumari, Neha; Bangar, Sneha Punia; Petru, Michal; Ilyas, R. A.; Singh, Ajay; Kumar, Pradyuman	FOODS	2021	10
234	Millet starch: A review	Mahajan, Palak; Bera, Manab B.; Panesar, Parmjit S.; Chauhan, Anil	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2021	10
235	Detection of Epileptic Seizure EEG Signal Using Multiscale Entropies and Complete Ensemble Empirical Mode Decomposition	Singh, Gurwinder; Kaur, Manpreet; Singh, Birmohan	WIRELESS PERSONAL COMMUNICATIONS	2021	10
236	On Derivative Free Multiple-Root Finders with Optimal Fourth Order Convergence	Sharma, Janak Raj; Kumar, Sunil; Jantschi, Lorentz	MATHEMATICS	2020	10
237	Fabrication of calcium hydroxyapatite incorporated polyurethane-graphene oxide nanocomposite porous scaffolds from poly (ethylene terephthalate) waste: A green route toward bone tissue engineering	Singh, Amandeep; Banerjee, Sovan Lal; Dhiman, Vandana; Bhadada, Sanjay Kumar; Sarkar, Priyatosh; Khamrai, Moumita; Kumari, Kamlesh; Kundu, Patit Paban	POLYMER	2020	10
238	Metallurgical, Fatigue and Pitting Corrosion Behavior of AISI 316 Joints Welded with Nb-Based Stabilized Steel Filler	Malhotra, Dikshant; Shahi, A. S.	METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE	2020	10
239	Bulk viscous string cosmological models in Saez-Ballester theory of gravity	Mishra, R. K.; Dua, Heena	ASTROPHYSICS AND SPACE SCIENCE	2019	10
240	SentiVerb system: classification of social media text using sentiment analysis	Singh, Shailendra Kumar; Sachan, Manoj Kumar	MULTIMEDIA TOOLS AND APPLICATIONS	2019	10
241	Development of LDA Based Indicator for the Detection of Unbalance and Misalignment at Different Shaft Speeds	Kumar, A.; Kumar, R.	EXPERIMENTAL TECHNIQUES	2020	10
242	Process optimization of polyphenol-rich milk powder using bee pollen based on physicochemical and functional properties	Thakur, Mamta; Nanda, Vikas	JOURNAL OF FOOD PROCESS ENGINEERING	2019	10
243	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, Anil; Thakur, Avinash	CHEMICAL ENGINEERING COMMUNICATIONS	2019	10
244	Developments in Ozone-Based Bleaching of Pulps	Tripathi, Sandeep Kumar; Bhardwaj, Nishi Kant; Ghatak, Himadri Roy	OZONE-SCIENCE & ENGINEERING	2020	10
245	Optical Properties Simulation of Magneto-Plasmonic Alloys Nanostructures	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	PLASMONICS	2019	10

246	Grasshopper optimization algorithm-based approach for the optimization of ensemble classifier and feature selection to classify epileptic EEG signals	Singh, Gurwinder; Singh, Birmohan; Kaur, Manpreet	MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING	2019	10
247	Maximal coverage hybrid search algorithm for deployment in wireless sensor networks	Panag, Tripatjot Singh; Dhillon, J. S.	WIRELESS NETWORKS	2019	10
248	On the design of planar antenna using Fibonacci word fractal geometry in support of public safety	Singh, Gurmeet; Singh, A. P.	INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING	2019	10
249	A triband slotted bow-tie wideband THz antenna design using graphene for wireless applications	Bansal, Gaurav; Marwaha, Anupma; Singh, Amanpreet; Bala, Rajni; Marwaha, Sanjay	OPTIK	2019	10
250	Effect of moisture content on the physical and mechanical properties of quinoa seeds	Jan, Khan Nadiya; Panesar, Paramjit S.; Singh, Sukhcham	INTERNATIONAL AGROPHYSICS	2019	10
251	A fast and efficient composite Newton-Chebyshev method for systems of nonlinear equations	Sharma, Janak Raj; Kumar, Deepak	JOURNAL OF COMPLEXITY	2018	10
252	Synthesis, characterization and applications of some novel DMAP-based chiral ionic liquids	Singh, Avtar; Chopra, Harish Kumar	JOURNAL OF MOLECULAR LIQUIDS	2018	10
253	Quenched and tempered steel welded with micro-alloyed based ferritic fillers	Sharma, Varun; Shahi, A. S.	JOURNAL OF MATERIALS PROCESSING TECHNOLOGY	2018	10
254	Task Deadline-Aware Energy-Efficient Scheduling Model for a Virtualized Cloud	Garg, Neha; Goraya, Major Singh	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	2018	10
255	An automated approach to enhance the thermographic evaluation on orofacial regions in lateral facial thermograms	Singh, Jaspreet; Arora, Ajat Shatru	JOURNAL OF THERMAL BIOLOGY	2018	10
256	Effect of precooking on drying kinetics of taro ( <i>Colocasia esculenta</i> ) slices and quality of its flours	Kumar, Vivek; Sharma, H. K.; Singh, K.	FOOD BIOSCIENCE	2017	10
257	Evaluation of various properties of composite flour from oats, sorghum, amaranth and wheat flour and production of cookies thereof	Raihan, M.; Saini, C. S.	INTERNATIONAL FOOD RESEARCH JOURNAL	2017	10
258	Multiobjective multiarea unit commitment using hybrid differential evolution algorithm considering import/export and tie-line constraints	Kamboj, Vikram Kumar; Bath, S. K.; Dhillon, J. S.	NEURAL COMPUTING & APPLICATIONS	2017	10
259	Compositional, physical, functional attributes and flow characterization of spray-dried skim milk powder enriched with honey	Bansal, Vikas; Premi, Monica; Sharma, Harish Kumar; Nanda, Vikas	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	10
260	Effect of storage conditions and packaging materials on the quality attributes of gluten-free extrudates and cookies made from germinated chenopodium ( <i>Chenopodium album</i> ) flour	Jan, Romee; Saxena, D. C.; Singh, Sukhcham	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	10

261	EFFECT OF GERMINATION ON NUTRITIONAL, FUNCTIONAL, PASTING, AND MICROSTRUCTURAL PROPERTIES OF CHENOPODIUM (CHENOPODIUM ALBUM) FLOUR	Jan, Romee; Saxena, D. C.; Singh, Sukhcham	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	10
262	Assessment of nutritional, physicochemical, antioxidant, structural and rheological properties of spray dried tamarind pulp powder	Muzaffar, Khalid; Dar, B. N.; Kumar, Pradyuman	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	10
263	Hybrid HS-random search algorithm considering ensemble and pitch violation for unit commitment problem	Kamboj, Vikram Kumar; Bath, S. K.; Dhillon, J. S.	NEURAL COMPUTING & APPLICATIONS	2017	10
264	Molecular characteristics of oxidized and cross-linked lotus (Nelumbo nucifera) rhizome starch	Sukhija, Sakshi; Singh, Sukhcham; Riar, Charanjit S.	INTERNATIONAL JOURNAL OF FOOD PROPERTIES	2017	10
265	Phase transformation behavior of Ca-doped zirconia sintered at different temperatures	Kumar, Ankit; Kumar, Pravin; Dhaliwal, A. S.	JOURNAL OF THE KOREAN CERAMIC SOCIETY	2022	9
266	Pelton Wheel Bucket Fault Diagnosis Using Improved Shannon Entropy and Expectation Maximization Principal Component Analysis	Vashishtha, Govind; Kumar, Rajesh	JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES	2022	9
267	Design and investigation of a dedicated PCF SPR biosensor for CANCER exposure employing external sensing	Ramola, Ayushman; Marwaha, Anupma; Singh, Surinder	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2021	9
268	Standardization of ultrasound-assisted extraction of bioactive compounds from kinnow mandarin peel	Kaur, Samandeep; Panesar, Parmjit S.; Chopra, Harish K.	BIOMASS CONVERSION AND BIOREFINERY	2021	9
269	Fruit Characteristics, Peel Nutritional Compositions, and Their Relationships with Mango Peel Pectin Quality	Wongkaew, Malaiporn; Kittiwachana, Sila; Phuangsaijai, Nutthatida; Tinpovong, Bow; Tiyyon, Chantalak; Pusadee, Tonapha; Chuttong, Bajaree; Sringarm, Korawan; Bhat, Farhan M.; Sommano, Sarana Rose; Cheewangkoon, Ratchadawan	PLANTS-BASEL	2021	9
270	Structural, electronic, mechanical, and thermoelectric properties of LiTiCoX (X = Si, Ge) compounds	Singh, Jaspal; Kaur, Kulwinder; Khandy, Shakeel Ahmad; Dhiman, Shobhna; Goyal, Megha; Verma, S. S.	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	2021	9
271	Investigations of mechanical and thermoelectric properties of 'AlNiP' novel half-Heusler alloy	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	MATERIALS CHEMISTRY AND PHYSICS	2021	9
272	Theoretical study of thermo-dynamical and thermoelectric properties of novel half-Heusler alloys AlNiAs and AlNiSb	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	MATERIALS TODAY COMMUNICATIONS	2021	9
273	MACO-QCR: Multi-Objective ACO-Based QoS-Aware Cross-Layer Routing Protocols in WSN	Kaur, Tarunpreet; Kumar, Dilip	IEEE SENSORS JOURNAL	2021	9
274	Hierarchical clustering and routing protocol to ensure scalability and reliability in large-scale wireless sensor networks	Singh, Harmanpreet; Singh, Damanpreet	JOURNAL OF SUPERCOMPUTING	2021	9

275	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, Mamta; Nanda, Vikas	FOOD RESEARCH INTERNATIONAL	2021	9
276	Development and Characterization of a Nutritionally Rich Spray-Dried Honey Powder	Suhag, Yogita; Nayik, Gulzar Ahmad; Karabagias, Ioannis K.; Nanda, Vikas	FOODS	2021	9
277	Optimization and evaluation of composite flour cookies prepared from germinated triticale, kidney bean, and chickpea	Singh Sibian, Mandeep; Singh Riar, Charanjit	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2021	9
278	Encapsulation of functional ingredients in lipidic nanocarriers and antimicrobial applications: a review	Saini, Anuradha; Panwar, Divyani; Panesar, Parmjit Singh; Bera, Manab Bandhu	ENVIRONMENTAL CHEMISTRY LETTERS	2021	9
279	Security explorations for routing attacks in low power networks on internet of things	Sharma, Saurabh; Verma, Vinod Kumar	JOURNAL OF SUPERCOMPUTING	2021	9
280	A review on grafted, crosslinked and composites of biopolymer Xanthan gum for phasing out synthetic dyes and toxic metal ions from aqueous solutions	Kaur, Arshpreet; Singh, Damanjit; Sud, Dhiraj	JOURNAL OF POLYMER RESEARCH	2020	9
281	Effective Removal of Methylene Blue Dye Using Silver Nanoparticles Containing Grafted Polymer of Guar Gum/Acrylic Acid as Novel Adsorbent	Singh, Jagdeep; Dhaliwal, A. S.	JOURNAL OF POLYMERS AND THE ENVIRONMENT	2021	9
282	Impact of Cryogenic Treatment on HCF and FCP Performance of beta-Solution Treated Ti-6Al-4V ELI Biomaterial	Singla, Anil Kumar; Singh, Jagtar; Sharma, Vishal S.; Gupta, Munish Kumar; Song, Qinghua; Rozumek, Dariusz; Krolczyk, Grzegorz M.	MATERIALS	2020	9
283	Optimization of spray drying operating conditions for production of functional milk powder encapsulating bee pollen	Thakur, Mamta; Pant, Kirty; Naik, Rishi Ravindra; Nanda, Vikas	DRYING TECHNOLOGY	2021	9
284	340-Gb/s PolSK-DP-DQPSK optical orthogonal modulation format with coherent direct detection for high capacity WDM optical network	Singh, Sukhbir; Singh, Surinder; Quang Minh Ngo; Mohammadi, Amin Malek	OPTICAL FIBER TECHNOLOGY	2019	9
285	Impact of Cryogenic Treatment on Mechanical Behavior and Microstructure of Ti-6Al-4V ELI Biomaterial	Singla, Anil Kumar; Singh, Jagtar; Sharma, Vishal S.	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2019	9
286	QoS mechanisms for MAC protocols in wireless sensor networks: a survey	Kaur, Tarunpreet; Kumar, Dilip	IET COMMUNICATIONS	2019	9
287	Wavelet and Total Variation Based Method Using Adaptive Regularization for Speckle Noise Reduction in Ultrasound Images	Rawat, Nishtha; Singh, Manminder; Singh, Birmohan	WIRELESS PERSONAL COMMUNICATIONS	2019	9
288	Optimization of process parameters and estimation of kinetic parameters for lactic acid production by Lactobacillus casei MTCC 1423	Thakur, Avinash; Panesar, Parmjit S.; Saini, Manohar Singh	BIOMASS CONVERSION AND BIOREFINERY	2019	9
289	Optimization of ozone bleaching conditions for improving wheat straw pulp quality using response surface methodology	Tripathi, Sandeep Kumar; Bhardwaj, Nishi Kant; Ghatak, Himadri Roy	OZONE-SCIENCE & ENGINEERING	2019	9
290	Physical and chemical characteristics of different cultivars of Indian gooseberry ( <i>Embilca officinalis</i> )	Tewari, Rishika; Kumar, Vivek; Sharma, H. K.	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2019	9

291	Bianchi-III cosmological model with BVDP inmodified f (R, T) theory	Mishra, R. K.; Dua, Heena; Chand, Avtar	ASTROPHYSICS AND SPACE SCIENCE	2018	9
292	Multiobjective thermal power load dispatch using adaptive predator-prey optimization	Singh, Nirbhaw Jap; Dhillon, J. S.; Kothari, D. P.	APPLIED SOFT COMPUTING	2018	9
293	Process optimization of lignin conversion into value added chemicals by thermochemical pretreatment and electrooxidation on a stainless steel anode	Singh, Sandeep; Ghatak, Himadri Roy	HOLZFORSCHUNG	2018	9
294	Efficient higher order derivative-free multipoint methods with and without memory for systems of nonlinear equations	Sharma, J. R.; Arora, H.	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	2018	9
295	Comparative analysis of bio-polymers addition on structural and physical properties of spray dried beetroot juice concentrate	Bazaria, Bindu; Kumar, Pradyuman	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	9
296	A novel hybrid DE-random search approach for unit commitment problem	Kamboj, Vikram Kumar; Bath, S. K.; Dhillon, J. S.	NEURAL COMPUTING & APPLICATIONS	2017	9
297	Effect of Dietary Fiber Enrichment and Different Cooking Methods on Quality of Chicken Nuggets	Pathera, Ashok K.; Riar, C. S.; Yadav, Sanjay; Sharma, D. P.	KOREAN JOURNAL FOR FOOD SCIENCE OF ANIMAL	2017	9
298	Biopigment produced by Monascus purpureus MTCC 369 in submerged and solid state fermentation: a comparative study	Sehrawat, Rachna; Panesar, Parmjit S.; Panesar, Reeba; Kumar, Anit	PIGMENT & RESIN TECHNOLOGY	2017	9
299	Pheromone and Path Length Factor-Based Trustworthiness Estimations in Heterogeneous Wireless Sensor Networks	Verma, Vinod Kumar	IEEE SENSORS JOURNAL	2017	9
300	An automated slice sorting technique for multi-slice computed tomography liver cancer images using convolutional network	Kaur, Amandeep; Chauhan, Ajay Pal Singh; Aggarwal, Ashwani Kumar	EXPERT SYSTEMS WITH APPLICATIONS	2021	8
301	Citrus processing by-products: an overlooked repository of bioactive compounds	Kaur, Samandeep; Panesar, Parmjit S.; Chopra, Harish K.	CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION	2021	8
302	Composition, characteristics and health promising prospects of black wheat: A review	Dhua, Subhamoy; Kumar, Kshitiz; Kumar, Yogesh; Singh, Lochan; Sharanagat, Vijay Singh	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2021	8
303	First-principles investigation on the electronic, mechanical and lattice dynamical properties of novel AlNiX (X = As and Sb) half-Heusler alloys	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	MATERIALS TODAY COMMUNICATIONS	2021	8
304	Classification of Parkinson disease using binary Rao optimization algorithms	Sharma, Suvita Rani; Singh, Birmohan; Kaur, Manpreet	EXPERT SYSTEMS	2021	8
305	Fabrication and mechanical characterization of glass fiber/Al <sub>2</sub> O <sub>3</sub> hybrid-epoxy composite	Singh, Pradeep K.; Modanwal, Rajnish P.; Kumar, Deepak	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2021	8
306	Beneficiation of food processing by-products through extraction of bioactive compounds using neoteric solvents	Saini, Anuradha; Panesar, Parmjit S.	LWT-FOOD SCIENCE AND TECHNOLOGY	2020	8
307	Banana Starch: Properties Illustration and Food Applications-A Review	Dhull, Sanju Bala; Malik, Tanu; Kaur, Ramandeep; Kumar, Pradyuman; Kaushal, Naveet; Singh, Ajay	STARCH-STARKE	2021	8

308	Tool wear progression and its effects on energy consumption and surface roughness in cryogenic assisted turning of Ti-6Al-4V	Agrawal, Chetan; Khanna, Navneet; Pruncu, Catalin Iulian; Singla, Anil Kumar; Gupta, Munish Kumar	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	2020	8
309	Crisscross differential evolution algorithm for constrained hydrothermal scheduling	Kaur, Manbir; Dhillon, J. S.; Kothari, D. P.	APPLIED SOFT COMPUTING	2020	8
310	Laser power and scanning speed influence on the microstructure, hardness, and slurry erosion performance of Colmonoy-5 claddings	Savanth, T.; Singh, Jastej; Gill, J. S.	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L- JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS	2020	8
311	Phytochemical profile, antioxidant potential and DFT study of Araucaria columnaris (G. Forst.) Hook. Branch extracts	Patial, Poonam Kumari; Cannoo, Damanjit Singh	NATURAL PRODUCT RESEARCH	2021	8
312	Effect of chemical composition, granule structure and crystalline form of pigmented rice starches on their functional characteristics	Bhat, Farhan Mohiuddin; Riar, Charanjit Singh	FOOD CHEMISTRY	2019	8
313	Investigation of wear characteristics of Al-4032 based metal matrix composite using Taguchi's optimization approach	Kumar, Deepak; Singh, Pradeep K.	MATERIALS RESEARCH EXPRESS	2019	8
314	Reconstruction of Optical Pulse Intensity and Phase Based on SPM Spectra Measurements in Microstructured Tellurite Fiber in Telecommunication Range	Anashkina, Elena A.; Koptev, Maxim Y.; Andrianov, Alexey, V; Dorofeev, Vitaly V.; Singh, Surinder; Lovkesh; Leuchs, Gerd; Kim, Arkady, V	JOURNAL OF LIGHTWAVE TECHNOLOGY	2019	8
315	Assessment of Energy-Population-Urbanization Nexus with Changing Energy Industry Scenario in India	Avtar, Ram; Tripathi, Saurabh; Aggarwal, Ashwani Kumar	LAND	2019	8
316	Development and characterization of biodegradable films from whey protein concentrate, psyllium husk and oxidized, crosslinked, dual-modified lotus rhizome starch composite	Sukhija, Sakshi; Singh, Sukhcham; Riar, Charanjit S.	JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE	2019	8
317	On the Design and Analysis of I-Shaped Fractal Antenna for Emergency Management	Kakkar, Sushil; Kamal, T. S.; Singh, A. P.	IETE JOURNAL OF RESEARCH	2019	8
318	EFFECT OF INTRODUCING OZONE PRIOR TO ELEMENTAL CHLORINE FREE BLEACHING OF WHEAT STRAW PULP ON PULP, PAPER AND EFFLUENT PROPERTIES	Tripathi, Sandeep Kumar; Bhardwaj, Nishi Kant; Ghatak, Himadri Roy	CELLULOSE CHEMISTRY AND TECHNOLOGY	2019	8
319	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.	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2018	8
320	A Novel Face Liveness Detection Algorithm with Multiple Liveness Indicators	Singh, Manminder; Arora, A. S.	WIRELESS PERSONAL COMMUNICATIONS	2018	8
321	Modified Binary Differential Evolution Algorithm to Solve Unit Commitment Problem	Dhaliwal, Jatinder Singh; Dhillon, Jaspreet Singh	ELECTRIC POWER COMPONENTS AND SYSTEMS	2018	8



322	Amaranth ( <i>Amaranthus</i> spp.) starch isolation, characterization, and utilization in development of clear edible films	Chandla, Narender K.; Saxena, Dharmesh C.; Singh, Sukhcham	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	8
323	Hybrid heuristic search method for design of digital IIR filter with conflicting objectives	Sidhu, D. S.; Dhillon, J. S.; Kaur, Dalveer	SOFT COMPUTING	2017	8
324	On a general class of optimal order multipoint methods for solving nonlinear equations	Sharma, Janak Raj; Argyros, Ioannis K.; Kumar, Deepak	JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS	2017	8
325	Study of corrosive fatigue and life enhancement of low pressure steam turbine blade using friction dampers	Bhagi, Loveleen Kumar; Rastogi, Vikas; Gupta, Pardeep	JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY	2017	8
326	Integrated Cat Swarm Optimization and Differential Evolution Algorithm for Optimal IIR Filter Design in Multi-Objective Framework	Dhaliwal, Kamalpreet Kaur; Dhillon, Jaspreet Singh	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2017	8
327	Recent insights into carrageenan-based bio-nanocomposite polymers in food applications: A review	Aga, Mohsin B.; Dar, Aamir H.; Nayik, Gulzar A.; Panesar, Parmjit S.; Allai, Farhana; Khan, Shafat A.; Shams, Rafeeya; Kennedy, John F.; Altaf, Aayena	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2021	7
328	Feature wise normalization: An effective way of normalizing data	Singh, Dalwinder; Singh, Birmohan	PATTERN RECOGNITION	2022	7
329	Demonstration of optical frequency comb generation using four-wave mixing in highly nonlinear fiber	Sharma, Vishal; Singh, Surinder; Lovkesh; Anashkina, Elena A.; Andrianov, Alexey V.	OPTIK	2021	7
330	Hydrogels: Synthesis, Classification, Properties and Potential Applications-A Brief Review	Kaith, Balbir Singh; Singh, Anjali; Sharma, Amit Kumar; Sud, Dhiraj	JOURNAL OF POLYMERS AND THE ENVIRONMENT	2021	7
331	A review of the composition and toxicology of fructans, and their applications in foods and health	Verma, Deepak Kumar; Patel, Ami R.; Thakur, Mamta; Singh, Smita; Tripathy, Soubhagya; Srivastav, Prem Prakash; Chavez-Gonzalez, Monica L.; Gupta, Alok Kumar; Aguilar, Cristobal Noe	JOURNAL OF FOOD COMPOSITION AND ANALYSIS	2021	7
332	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, Subodh; Shahi, A. S.; Sharma, Varun; Malhotra, Dikshant	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2021	7
333	Design of a Two-Channel Quadrature Mirror Filter Bank Through a Diversity-Driven Multi-Parent Evolutionary Algorithm	Chauhan, Sumika; Singh, Manmohan; Aggarwal, Ashwani Kumar	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2021	7
334	Design and analysis of dual polarized Au and TiO <sub>2</sub> -coated photonic crystal fiber surface plasmon resonance refractive index sensor: an extraneous sensing approach	Shakya, Amit K.; Singh, Surinder	JOURNAL OF NANOPHOTONICS	2021	7
335	Magneto-plasmonic Co@M (M = Au/Ag/Au-Ag) core-shell nanoparticles for biological imaging and therapeutics	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER	2020	7
336	Theoretical study of structural, electronic and lattice dynamical properties of novel AlNiP half-Heusler alloy	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	PHILOSOPHICAL MAGAZINE	2020	7

337	Algorithm for processing high definition images for food colourimetry	Minz, P. S.; Sawhney, Ish Kumar; Saini, Charanjiv Singh	MEASUREMENT	2020	7
338	A novel health indicator developed using filter-based feature selection algorithm for the identification of rotor defects	Kumar, Anil; Gandhi, C. P.; Liu, Xiaoyang; Liu, Yi; Zhou, Yuqing; Kumar, Rajesh; Xiang, Jiawei	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART O- JOURNAL OF RISK AND RELIABILITY	2022	7
339	Optimal One-Point Iterative Function Free from Derivatives for Multiple Roots	Kumar, Deepak; Sharma, Janak Raj; Argyros, Ioannis K.	MATHEMATICS	2020	7
340	Tailoring of Electromagnetic Absorption in Substituted Hexaferrites from 8.2 GHz to 12.4 GHz	Kaur, Harsimrat; Marwaha, Anupma; Singh, Charanjeet; Narang, Sukhleen Bindra; Jotania, Rajshree; Bai, Yang; Mishra, Sanjay R.; Singh, Dharmendra; Sombra, A. S. B.; Ghimire, Madhav; Dhruv, Preksha	JOURNAL OF ELECTRONIC MATERIALS	2020	7
341	Synthesis, characterization, thermal, computational and biological activity studies of new potential bioactive diorganotin (IV) nitrosubstitutedhydroxamates-A comparative study	Choudhary, Vineet Kumar; Bhatt, Arvind Kumar; Dash, Dibyajit; Sharma, Neeraj	APPLIED ORGANOMETALLIC CHEMISTRY	2020	7
342	Size dependent plasmonic properties of Ga@Ag & Cs@Ag liquid-metal nanospheres	Bhardwaj, Akanksha; Verma, S. S.	OPTICS COMMUNICATIONS	2019	7
343	Analysis of crystallization phenomenon in Indian honey using molecular dynamics simulations and artificial neural network	Naik, Rishi Ravindra; Gandhi, Neha S.; Thakur, Mamta; Nanda, Vikas	FOOD CHEMISTRY	2019	7
344	An Energy Efficient Scalable Clustering Protocol for Dynamic Wireless Sensor Networks	Singh, Harmanpreet; Singh, Damanpreet	WIRELESS PERSONAL COMMUNICATIONS	2019	7
345	Design of all optical contention detection circuit based on HNLFF at the data rate of 120 Gbps	Singh, Surinder; Singh, Dilbag; Sharma, Vishal; Singh, Sukhbir; Quang Minh Ngo	OPTICAL FIBER TECHNOLOGY	2019	7
346	Flexible fault tolerance in cloud through replicated cooperative resource group	Hasan, Moin; Goraya, Major Singh	COMPUTER COMMUNICATIONS	2019	7
347	Numerical Inverse Laplace Transform for Solving a Class of Fractional Differential Equations	Rani, Dimple; Mishra, Vinod; Cattani, Carlo	SYMMETRY-BASEL	2019	7
348	Dynamic Changes in Health-Promoting Properties and Eating Quality During Off-Vine Ripening of Tomatoes	Siddiqui, Mohammed Wasim; Lara, Isabel; Ilahy, Riadh; Tlili, Imen; Ali, Asgar; Homa, Fozia; Prasad, Kamlesh; Deshi, Vinayak; Lenucci, Marcello Salvatore; Hdider, Chafik	COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY	2018	7
349	Comparative studies of the electronic, binding and photophysical properties of a new nona-dentate hemi-cage tripodall HQ pendant trizaza-macrocycle with unfilled, half-filled and completely filled lanthanide ions	Rohini; Baral, Minati; Kanungo, B. K.	NEW JOURNAL OF CHEMISTRY	2018	7
350	Additives to decrease cellulose chain scission during ozone bleaching of wheat straw pulp	Tripathi, Sandeep Kumar; Bhardwaj, Nishi Kant; Ghatak, Himadri Roy	NORDIC PULP & PAPER RESEARCH JOURNAL	2018	7
351	Experimental and theoretical investigations on acid catalysed stereoselective synthesis of new indazolyl-thiazole derivatives	Gautam, Poonam; Gautam, Deepika; Chaudhary, R. P.	JOURNAL OF MOLECULAR STRUCTURE	2018	7

352	Effect of Ag Ion Implantation on SPR of Cu-C-60 Nanocomposite Thin Film	Sharma, P.; Singhal, R.; Vishnoi, R.; Agarwal, D. C.; Banerjee, M. K.; Chand, S.; Kanjilal, D.; Avasthi, D. K.	PLASMONICS	2018	7
353	Synthesis, characterization, and organocatalytic application of chiral ionic liquids derived from (S,R)-noscapine	Kaur, Nirmaljeet; Chopra, Harish Kumar	SYNTHETIC COMMUNICATIONS	2018	7
354	Optimization of parameters for supercritical extraction of watermelon seed oil	Rai, Amit; Mohanty, Bikash; Bhargava, Ravindra	SEPARATION SCIENCE AND TECHNOLOGY	2018	7
355	Enantioselective Reduction Reactions Using Chiral Ionic Liquids: An Overview	Singh, Avtar; Kaur, Nirmaljeet; Chopra, Harish Kumar	CURRENT ORGANIC SYNTHESIS	2018	7
356	Effect of sprouting on the physical properties, morphology and flowability of onion powder	Majid, Ishrat; Nanda, Vikas	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	7
357	Design and analysis of all-optical up-and down-wavelength converter based on FWM of SOA-MZI for 60 Gbps RZ data signal	Singh, Surinder; Singh, Sukhbir; Badraoui, Nada; Berceci, Tibor; Alomainy, Akram	PHOTONIC NETWORK COMMUNICATIONS	2017	7
358	Effect of particle size, shape and surface roughness on bulk and shear properties of rice flour	Jan, Shumaila; Ghoroi, Chinmay; Saxena, D. C.	JOURNAL OF CEREAL SCIENCE	2017	7
359	Effect of grinding action on the flowability of rice flour	Jan, Shumaila; Ambrose, R. P. Kingsly; Saxena, D. C.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	7
360	SPRAY DRYING OF TAMARIND PULP: EFFECT OF PROCESS PARAMETERS USING PROTEIN AS CARRIER AGENT	Muzaffar, Khalid; Kumar, Pradyuman	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	7
361	Instrumental texture and Flavonoid profile of paste developed from sprouted onion varieties of Indian origin	Majid, Ishrat; Nanda, Vikas	INTERNATIONAL JOURNAL OF FOOD PROPERTIES	2017	7
362	Experimental Modeling and Simulation of Supercritical Fluid Extraction of Moringa oleifera Seed Oil by Carbon Dioxide	Rai, Amit; Mohanty, Bikash; Bhargava, Ravindra	CHEMICAL ENGINEERING COMMUNICATIONS	2017	7
363	A robust anti-spoofing technique for face liveness detection with morphological operations	Singh, Manminder; Arora, A. S.	OPTIK	2017	7
364	Recent Advances in Drumstick (Moringa oleifera) Leaves Bioactive Compounds: Composition, Health Benefits, Bioaccessibility, and Dietary Applications	Kashyap, Piyush; Kumar, Shiv; Riar, Charanjit Singh; Jindal, Navdeep; Baniwal, Poonam; Guine, Raquel P. F.; Correia, Paula M. R.; Mehra, Rahul; Kumar, Harish	ANTIOXIDANTS	2022	6
365	An Integrated Exploration on Internet of Things and Wireless Sensor Networks	Sharma, Saurabh; Verma, Vinod Kumar	WIRELESS PERSONAL COMMUNICATIONS	2022	6
366	Exploring the structural, elastic, lattice dynamical stability and thermoelectric properties of semiconducting novel quaternary Heusler alloy LiScPdPb	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	JOURNAL OF SOLID STATE CHEMISTRY	2021	6
367	Encapsulated Food Products as a Strategy to Strengthen Immunity Against COVID-19	Tripathy, Soubhagya; Verma, Deepak Kumar; Thakur, Mamta; Patel, Ami R.; Srivastav, Prem Prakash; Singh, Smita; Chavez-Gonzalez, Monica L.; Aguilar, Cristobal N.	FRONTIERS IN NUTRITION	2021	6

368	Erosion behavior of laser clad Colmonoy-6+50%WC on SS410 steel under accelerated slurry erosion testing	Singh, Sarpreet; Kumar, Parlad; Goyal, Deepak Kumar; Bansal, Anuj	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	2021	6
369	A synergy of binary differential evolution and binary local search optimizer to solve multi-objective profit based unit commitment problem	Dhaliwal, Jatinder Singh; Dhillon, J. S.	APPLIED SOFT COMPUTING	2021	6
370	Combined effect of pH treatment and the extraction pH on the physicochemical, functional and rheological characteristics of amaranth ( <i>Amaranthus hypochondriacus</i> ) seed protein isolates	Das, Dipak; Mir, Nisar A.; Chandla, Narender Kumar; Singh, Sukhcharn	FOOD CHEMISTRY	2021	6
371	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, Shivam; Bansal, Anuj; Omer, Ankita; Singla, Anil Kumar; Goyal, Deepak Kumar; Singh, Jagtar; Gupta, Munish Kumar	SURFACE & COATINGS TECHNOLOGY	2021	6
372	Comparative study of various processes used for removal of bitterness from kinnow pomace and kinnow pulp residue	Singla, Gisha; Singh, Umesh; Sangwan, Rajender S.; Panesar, Parmjit S.; Krishania, Meena	FOOD CHEMISTRY	2021	6
373	Application of biofloc technology for Indian major carp culture (polyculture) along with water quality management	Deb, Saptashish; Noori, Md T.; Rao, Pavuluri S.	AQUACULTURAL ENGINEERING	2020	6
374	Investigation on Aging-Induced Degradation of Impact Toughness and Corrosion Performance of Duplex Stainless Steel Weldment	Singh, Sumeet; Singh, Jastej; Shahi, A. S.	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2020	6
375	A comparative analysis of prominently used MCDM methods in cloud environment	Neeraj; Goraya, Major Singh; Singh, Damapreet	JOURNAL OF SUPERCOMPUTING	2021	6
376	360 degree view of cross-domain opinion classification: a survey	Singh, Rahul Kumar; Sachan, Manoj Kumar; Patel, R. B.	ARTIFICIAL INTELLIGENCE REVIEW	2021	6
377	Sugar profile and rheological behaviour of four different Indian honey varieties	Kamboj, Rajni; Nayik, Gulzar Ahmad; Bera, Manab Bandhu; Nanda, Vikas	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2020	6
378	Phase transition of cosmological model with statistical techniques	Mishra, R. K.; Dua, Heena	ASTROPHYSICS AND SPACE SCIENCE	2020	6
379	Evaluation of volatile compounds, phenolic acids, antioxidant potential and DFT study of essential oils from different parts of <i>Araucaria columnaris</i> (G. Forst.) Hook. from India	Patial, Poonam Kumari; Cannoo, Damanjit Singh	FOOD AND CHEMICAL TOXICOLOGY	2020	6
380	TOXICITY, NATURAL AND INDUCED DEGRADATION OF CHLORPYRIFOS	Sud, Dhiraj; Kumar, Jitesh; Kaur, Paramjeet; Bansal, Priti	JOURNAL OF THE CHILEAN CHEMICAL SOCIETY	2020	6
381	Size-dependent optical response of complex CoFe@Ag & CoFe@Au core-shell nanospheres	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	CHEMICAL PHYSICS LETTERS	2020	6
382	Tunable plasmonic properties of elongated bimetallic alloys nanoparticles towards deep UV-NIR absorbance and sensing	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER	2020	6

383	Weld metal composition and aging influence on metallurgical, corrosion and fatigue crack growth behavior of austenitic stainless steel welds	Malhotra, Dikshant; Shahi, A. S.	MATERIALS RESEARCH EXPRESS	2019	6
384	Multi-level clustering protocol for load-balanced and scalable clustering in large-scale wireless sensor networks	Singh, Harmanpreet; Singh, Damanpreet	JOURNAL OF SUPERCOMPUTING	2019	6
385	Optimization of gluten free biscuit from foxtail, copra meal and amaranth	Ajay, Singh; Pradyuman, Kumar	FOOD SCIENCE AND TECHNOLOGY	2019	6
386	Design and Optimization of Slotted Micro-Machined Patch Antenna Using Composite Substrate	Kumar, Ashish; Singh, Amar Partap	APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL	2019	6
387	Modelling of moisture sorption isotherms and glass transition temperature of spray-dried honey powder	Suhag, Yogita; Nayik, Gulzar Ahmad; Nanda, Vikas	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2018	6
388	Characteristics of beta-glucan extracted from raw and germinated foxtail ( <i>Setaria italica</i> ) and kodo ( <i>Paspalum scrobiculatum</i> ) millets	Sharma, Seema; Saxena, Dharmesh C.; Riar, Charanjit S.	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2018	6
389	Effect of parboiling and puffing processes on the physicochemical, functional, optical, pasting, thermal, textural and structural properties of selected Indica rice	Kumar, Shiv; Prasad, Kamlesh	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2018	6
390	Effect of Weld Cooling Rates on Mechanical and Metallurgical Properties of Submerged Arc Welded Pressure Vessel Steel	Arya, Harish Kumar; Singh, Kulwant; Saxena, R. K.	JOURNAL OF PRESSURE VESSEL TECHNOLOGY-TRANSACTIONS OF THE ASME	2018	6
391	Non-interactive approach to solve multi-objective thermal power dispatch problem using composite search algorithm	Singh, Nirbhaw Jap; Dhillon, J. S.; Kothari, D. P.	APPLIED SOFT COMPUTING	2018	6
392	Multi-objective thermal power load dispatch using chaotic differential evolutionary algorithm and Powell's method	Singh, Nirbhaw Jap; Dhillon, J. S.; Kothari, D. P.	SOFT COMPUTING	2018	6
393	Effect of drumstick leaves powder on the rheological, micro-structural and physico-functional properties of sponge cake and batter	Premi, Monica; Sharma, H. K.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2018	6
394	Characterization of bulk and shear properties of basmati and non-basmati rice flour	Jan, Shumaila; Ghoroi, Chinmay; Saxena, Dharmesh Chandra	JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE	2018	6
395	Possibilities of laser amplification and measurement of the field structure of ultrashort pulses in the range of 2.7-3 $\mu$ m in tellurite glass fibres doped with erbium ions	Anashkina, E. A.; Dorofeev, V. V.; Muravyev, S. V.; Motorin, S. E.; Andrianov, A. V.; Sorokin, A. A.; Koptev, M. Yu.; Singh, S.; Kim, A. V.	QUANTUM ELECTRONICS	2018	6
396	Surrogate worth trade-off method for multi-objective thermal power load dispatch	Singh, Nirbhaw Jap; Dhillon, J. S.; Kothari, D. P.	ENERGY	2017	6
397	On compensation of four wave mixing effect in dispersion managed hybrid WDM-OTDM multicast overlay system with optical phase conjugation modules	Singh, Sukhbir; Singh, Surinder	OPTICAL FIBER TECHNOLOGY	2017	6

398	Quality Changes in Functional Pasta During Storage in Two Different Packaging Materials: LDPE and BOPP	Gull, Amir; Prasad, Kamlesh; Kumar, Pradyuman	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	6
399	A framework for enhancing the thermographic evaluation on characteristic areas for paranasal sinusitis detection	Singh, Jaspreet; Arora, Ajat Shatru	INFRARED PHYSICS & TECHNOLOGY	2017	6
400	Classification of Seizure Prone EEG Signal Using Amplitude and Frequency Based Parameters of Intrinsic Mode Functions	Kaur, Manpreet; Singh, Gurwinder	JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING	2017	6
401	Evaluation of corrosion performance of Superni 600 hung in secondary chamber of medical waste incinerator operating at 1050 degrees C	Mudgal, Deepa; Ahuja, Lalit; Singh, Surendra; Prakash, Satya	MATERIALS AT HIGH TEMPERATURES	2017	6
402	Degradation kinetics of ascorbic acid in encapsulated spray-dried honey powder packaged in aluminium laminated polyethylene and high-density polyethylene	Suhag, Yogita; Nanda, Vikas	INTERNATIONAL JOURNAL OF FOOD PROPERTIES	2017	6
403	An ameliorated African vulture optimization algorithm to diagnose the rolling bearing defects	Vashishtha, Govind; Chauhan, Sumika; Kumar, Anil; Kumar, Rajesh	MEASUREMENT SCIENCE AND TECHNOLOGY	2022	5
404	Influence of laser cladding parameters on slurry erosion performance of NiCrSiBC+50WC claddings	Singh, Sarpreet; Goyal, Deepak Kumar; Kumar, Parlad; Bansal, Anuj	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	2022	5
405	State-space modeling and novel entropy-based health indicator for dynamic degradation monitoring of rolling element bearing	Kumar, Anil; Parkash, Chander; Vashishtha, Govind; Tang, Hesheng; Kundu, Pradeep; Xiang, Jiawei	RELIABILITY ENGINEERING & SYSTEM SAFETY	2022	5
406	Sustainable processes for treatment and management of seafood solid waste	Singh, Shikhangi; Negi, Taru; Sagar, Narashans Alok; Kumar, Yogesh; Tarafdar, Ayon; Sirohi, Ranjna; Sindhu, Raveendran; Pandey, Ashok	SCIENCE OF THE TOTAL ENVIRONMENT	2022	5
407	Cavitation erosion behavior of high velocity oxy fuel (HVOF) sprayed (VC plus CuNi-Cr) based novel coatings on SS316 steel	Singh, Vikrant; Singh, Indraj; Bansal, Anuj; Omer, Ankita; Singla, Anil Kumar; Rampal; Goyal, Deepak Kumar	SURFACE & COATINGS TECHNOLOGY	2022	5
408	Grayscale and colored image encryption model using a novel fused magic cube	Rani, Narbda; Sharma, Suvita Rani; Mishra, Vinod	NONLINEAR DYNAMICS	2022	5
409	Effect of extraction methods and simulated in vitro gastrointestinal digestion on phenolic compound profile, bio-accessibility, and antioxidant activity of Meghalayan cherry (Prunus nepalensis) pomace extracts	Kashyap, Piyush; Riar, Charanjit Singh; Jindal, Navdeep	LWT-FOOD SCIENCE AND TECHNOLOGY	2022	5
410	Functionality of apigenin as a potent antioxidant with emphasis on bioavailability, metabolism, action mechanism and in vitro and in vivo studies: A review	Kashyap, Piyush; Shikha, Deep; Thakur, Mamta; Aneja, Ashwin	JOURNAL OF FOOD BIOCHEMISTRY	2022	5
411	Optical frequency comb generation by the exploitation of gain modulation phenomenon in semiconductor optical amplifier	Sharma, Vishal; Singh, Surinder; Lovkesh; Anashkina, Elena A.; Andrianov, Alexey, V	OPTICAL ENGINEERING	2021	5

412	Recent approaches for enhanced production of microbial polyhydroxybutyrate: Preparation of biocomposites and applications	Anjana; Raturi, Gaurav; Shree, Shweta; Sharma, Amita; Panesar, Parmjit S.; Goswami, Saswata	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2021	5
413	AIEMLA: artificial intelligence enabled machine learning approach for routing attacks on internet of things	Sharma, Saurabh; Verma, Vinod Kumar	JOURNAL OF SUPERCOMPUTING	2021	5
414	Comparison of ultrasound and microwave assisted extraction of diosgenin from Trigonella foenum graceum seed	Arya, Prajya; Kumar, Pradyuman	ULTRASONICS SONOCHEMISTRY	2021	5
415	Recycling of steel slag as a flux for submerged arc welding and its effects on chemistry and performance of welds	Saini, Sumit; Singh, Kulwant	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	2021	5
416	Optical absorption analysis of core-shell type Ni@Ag/Au & NiFe@Ag/Au magneto-plasmonic nanostructures	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER	2021	5
417	Electrochemical corrosion behavior and microstructural characteristics of electron beam welded UNS S32205 duplex stainless steel	Singh, Jastej; Shahi, A. S.	MATERIALS AND CORROSION- WERKSTOFFE UND KORROSION	2021	5
418	Unmasking the Many Faces of Giloy (Tinospora cordifolia L.): A Fresh Look on its Phytochemical and Medicinal Properties	Verma, Deepak Kumar; Kimmy, G.; Kumar, Pradyuman; El-Shazly, Mohamed	CURRENT PHARMACEUTICAL DESIGN	2021	5
419	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, Harjeet S.; Singh, Pradeep K.	ENERGY	2020	5
420	Enzymatic debittering of Citrus reticulata (Kinnow) pulp residue and its utilization for the preparation of vermicelli	Singla, Gisha; Panesar, Parmjit S.; Sangwan, Rajender S.; Krishania, Meena	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2021	5
421	Effective and efficient classification of gastrointestinal lesions: combining data preprocessing, feature weighting, and improved ant lion optimization	Singh, Dalwinder; Singh, Birmohan	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2021	5
422	Tunable optical properties of Ni-Ag and Ni-Au nanoparticles in magneto-plasmonic nanostructures	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	OPTICAL AND QUANTUM ELECTRONICS	2020	5
423	Enzymatic processing of Citrus reticulata (Kinnow) pomace using naringinase and its valorization through preparation of nutritionally enriched pasta	Singla, Gisha; Panesar, Parmjit S.; Sangwan, Rajender S.; Krishania, Meena	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY- MYSORE	2021	5
424	On the potential for superconductivity in ZrX (X = S and Te): a first-principles study	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	PHYSICA C- SUPERCONDUCTIVITY AND ITS APPLICATIONS	2020	5
425	A solution to statistical and multidisciplinary design optimization problems using hGWO-SA algorithm	Bhadoria, Ashutosh; Marwaha, Sanjay; Kamboj, Vikram Kumar	NEURAL COMPUTING & APPLICATIONS	2021	5

426	Photophysical Studies of a Catechol Based Polyfunctional Dipodal Chelator: Application for Optical Probe for Selective Detection of Fe(III)	Dangi, Vijay; Baral, Minati; Kanungo, B. K.	JOURNAL OF FLUORESCENCE	2020	5
427	Modeling and optimization of novel biodiesel production from non-edible oil with musa balbisianaroot using hybrid response surface methodology along with african buffalo optimization	Kumar, Upender; Gupta, Pardeep	REACTION KINETICS MECHANISMS AND CATALYSIS	2020	5
428	An optimum forceful generation scheduling and unit commitment of thermal power system using sine cosine algorithm	Bhadoria, Ashutosh; Marwaha, Sanjay; Kamboj, Vikram Kumar	NEURAL COMPUTING & APPLICATIONS	2020	5
429	Satisfaction aware QoS-based bidirectional service mapping in cloud environment	Neeraj; Goraya, Major Singh; Singh, Damanpreet	CLUSTER COMPUTING- THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2020	5
430	Noninvasive Temperature Measuring and Early Fault Detecting System for Manufacturing Industry	Kumar, Dilip; Suman, Kumar Gaurav	MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA	2019	5
431	Design and Analysis of a New Improved Force Linear Switched Reluctance Motor for Transit Application	Prasad, Nisha; Jain, Shailendra; Gupta, Sushma	IETE JOURNAL OF RESEARCH	2022	5
432	Improvement in selectivity of ozone bleaching using DTPA as carbohydrate protector for wheat straw pulp	Tripathi, Sandeep Kumar; Bhardwaj, Nishi Kant; Ghatak, Himadri Roy	NORDIC PULP & PAPER RESEARCH JOURNAL	2019	5
433	Experimental and modeling studies of the flow, dynamic and creep recovery properties of pearl millet starch as affected by concentration and cultivar type	Bhardwaj, Mamta; Sandhu, Kawaljit Singh; Saxena, D. C.	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2019	5
434	Design of micro-machined modified Sierpinski gasket fractal antenna for satellite communications	Kumar, Ashish; Singh, Amar Partap	INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING	2019	5
435	Design of XPM based all optical contention detection circuit at 120Gbps	Singh, Dilbag; Singh, Surinder; Sharma, Vishal; Singh, Sukhbir; Ngo, Quang Minh	OPTICAL AND QUANTUM ELECTRONICS	2019	5
436	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, Jasmeet; Singh, Sukhcharn; Saxena, Dharmesh Chandra	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2019	5
437	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, Minati; Kanungo, B. K.	JOURNAL OF COORDINATION CHEMISTRY	2019	5
438	Track-based analysis for profile generation on globoidal cam in automatic tool changer of CNC machining center	Verma, Kuldeep; Belokar, R. M.; Verma, Vinod Kumar; Ntalianis, Klimis	ASSEMBLY AUTOMATION	2019	5



439	Enhancement in thermoelectric properties due to Ag nanoparticles incorporated in Bi <sub>2</sub> Te <sub>3</sub> matrix	Gupta, Srashti; Agarwal, Dinesh Chandra; Sivaiah, Bathula; Amrithpandian, Sankarakumar; Asokan, Kandasami; Dhar, Ajay; Panigrahi, Binaya Kumar; Avasthi, Devesh Kumar; Gupta, Vinay	BEILSTEIN JOURNAL OF NANOTECHNOLOGY	2019	5
440	Semi-interpenetrating networks of biopolymer chitosan/acrylic acid and thiourea hydrogels: synthesis, characterization and their potential for removal of cadmium	Bhullar, Navneet Kaur; Kumari, Kamlesh; Sud, Dhiraj	IRANIAN POLYMER JOURNAL	2019	5
441	Value addition of kinnow industry byproducts for the preparation of fiber enriched extruded products	Singla, Gisha; Krishania, Meena; Sandhu, Pankaj P.; Sangwan, Rajender S.; Panesar, Parmjit S.	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2019	5
442	Modelling and evaluation of the hunting behaviour of a high-speed railway vehicle on curved track	Kumar, Vivek; Rastogi, Vikas; Pathak, P. M.	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART F-JOURNAL OF RAIL AND RAPID TRANSIT	2019	5
443	Impact of sprouting on the degradation kinetics of color and vitamin C of onion powder packaged in different packaging materials	Majid, Ishrat; Hussain, Shafat; Nanda, Vikas	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2019	5
444	Conditionally Negative Definite Functions	Kapil, Yogesh; Pal, Rajinder; Aggarwal, Anchal; Singh, Mandeep	MEDITERRANEAN JOURNAL OF MATHEMATICS	2018	5
445	Effect of cryogenic treatment on the wear resistance and microstructure of Ti-6Al-4V	Singla, Anil K.; Singh, Jagtar; Kumar, Puneet; Kumar, Anumay; Sharma, Vishal S.	INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES	2018	5
446	Textural, in vitro antioxidant activity and sensory characteristics of cookies made from blends of wheat-quinoa grown in India	Jan, Khan Nadiya; Panesar, P. S.; Singh, Sukhcharn	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2018	5
447	A Novel Random Transition Based PSO Algorithm to Maximize the Lifetime of Wireless Sensor Networks	Panag, Tripatjot Singh; Dhillon, J. S.	WIRELESS PERSONAL COMMUNICATIONS	2018	5
448	Optimization of dietary fiber enriched chicken nuggets for different cooking methods	Pathera, Ashok K.; Riar, C. S.; Yadav, Sanjay; Sharma, D. P.; Yadav, Yogender S.; Kumar, Manish	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	5
449	A comparative study of cosmological models in alternative theory of gravity with LVDP & BVDP	Mishra, R. K.; Chand, Avtar	ASTROPHYSICS AND SPACE SCIENCE	2017	5
450	FABRICATION OF LABORATORY SCALE OHMIC HEATER AND ITS APPLICATION IN WHEAT BRAN STABILIZATION	Nandi, Bikramjit; Sandeep, Kumar; Jindal, Navdeep; Singh, Inderjeet; Kumar, Nitin	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	5
451	An Approach for Enhancement of Microcalcifications in Mammograms	Singh, Birmohan; Kaur, Manpreet	JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING	2017	5
452	Effect of processing parameters on quality attributes of fried banana chips	Wani, S. A.; Sharma, V; Kumar, P.	INTERNATIONAL FOOD RESEARCH JOURNAL	2017	5
453	Drying kinetics of millet, poamce and wheat based pasta and its effect on microstructure, color, water absorption and pasting properties	Gull, Amir; Prasad, Kamlesh; Kumar, Pradyuman	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	5

454	Quality assessment and shelf life prediction of spray dried tamarind pulp powder in accelerated environment using two different packaging materials	Muzaffar, Khalid; Kumar, Pradyuman	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	5
455	Synthesis and Characterization of Thiazepine/Benzothiazepine Derivatives Through Intramolecular C-2 Ring Expansion Pathway	Preet, Simer; Cannoo, Damanjt Singh	JOURNAL OF THE CHINESE CHEMICAL SOCIETY	2017	5
456	Synthesis and characterization of titanium doped barium ferrite and effects of doping on electrical and magnetic properties of the compound	Kumar, Anil; Kumar, Vipin; Ghumman, S. S.	FERROELECTRICS	2017	5
457	Neural Style Transfer for image within images and conditional GANs for destylization	Ubhi, Jagpal Singh; Aggarwal, Ashwani Kumar; Mallika, Ashwani Kumar	JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION	2022	4
458	Design of an ultra-sensitive bimetallic anisotropic PCF SPR biosensor for liquid analytes sensing	Shakya, Amit Kumar; Ramola, Ayushman; Singh, Surinder; Van, Vien	OPTICS EXPRESS	2022	4
459	On the use of flyash-lime-gypsum (FaLG) bricks in the storage facilities for low level nuclear waste	Sidhu, Baltej Singh; Dhaliwal, A. S.; Kahlon, K. S.; Singh, Suhkpal	NUCLEAR ENGINEERING AND TECHNOLOGY	2022	4
460	Valorization of unpoped Foxnut starch in stabilizing Pickering emulsion using OSA modification	Shweta; Kumar, Yogesh; Saxena, D. C.	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2021	4
461	Modification of Kutki millet (Panicum sumatrense) starch properties by the addition of amino acids for the preparation of hydrogels and its characterization	Mahajan, Palak; Bera, Manab Bandhu; Panesar, Parmjit Singh	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2021	4
462	Therapeutic Potential of Nutraceuticals and Dietary Supplements in the Prevention of Viral Diseases: A Review	Singh, Saumya; Kola, Prithwish; Kaur, Dalveer; Singla, Gisha; Mishra, Vibhu; Panesar, Parmjit S.; Mallikarjunan, Kumar; Krishania, Meena	FRONTIERS IN NUTRITION	2021	4
463	An improved elephant herding optimization for global optimization problems	Singh, Harpreet; Singh, Birmohan; Kaur, Manpreet	ENGINEERING WITH COMPUTERS	2021	4
464	Economic power generation scheduling exploiting hill-climbed Sine-Cosine algorithm	Kaur, Gurpreet; Dhillon, J. S.	APPLIED SOFT COMPUTING	2021	4
465	Plasmonic Effects of Al Nanoparticles Embedded and Non-embedded in Thin Film GaAs Solar Cells with Ta2O5 Antireflective Coating	Singh, Gurjit; Sekhon, Jagmeet Singh; Verma, S. S.	PLASMONICS	2021	4
466	Analyzing the effect of germination on the pasting, rheological, morphological and in- vitro antioxidant characteristics of kodo millet flour and extracts	Sharma, Seema; Jan, Romee; Riar, Charanjit S.; Bansal, Vikas	FOOD CHEMISTRY	2021	4
467	ADHESIVE AND VISCOELASTIC RESPONSE OF MWCNT/ZRO(2) HYBRID EPOXY NANOCOMPOSITES	Rathi, Ankit; Kundalwal, Shailesh I.; Singh, Shankar; Kumar, Arun	JOURNAL OF MECHANICS OF MATERIALS AND STRUCTURES	2021	4
468	Silver Nanoparticle Incorporated Flaxseed Protein-Alginate Composite Films: Effect on Physicochemical, Mechanical, and Thermal Properties	Dash, Kshirod Kumar; Kumar, Ashwani; Kumari, Sonam; Malik, Mudasir Ahmad	JOURNAL OF POLYMERS AND THE ENVIRONMENT	2021	4

469	Terephthalaldehyde as a good crosslinking agent in crosslinked chitosan hydrogel for the selective removal of anionic dyes	Garg, Madhvi; Bhullar, Navneet; Bajaj, Bharat; Sud, Dhiraj	NEW JOURNAL OF CHEMISTRY	2021	4
470	Multi-Objective Profit Based Commitment and Dispatch of Cogeneration System Using Decision Making Strategy Approach	Anand, Himanshu; Narang, Nitin; Dhillon, J. S.	IETE TECHNICAL REVIEW	2022	4
471	Effect of spin-orbital coupling on the electronic, mechanical, thermoelectric, and vibrational properties of XPtBi (X = Sc and Y): A first-principles study	Goyal, Megha; Sinha, M. M.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2021	4
472	Amphiphilic chitosan/acrylic acid/thiourea based semi-interpenetrating hydrogel: Solvothermal synthesis and evaluation for controlled release of organophosphate pesticide, triazophos	Bhullar, Navneet; Rani, Sunita; Kumari, Kamlesh; Sud, Dhiraj	JOURNAL OF APPLIED POLYMER SCIENCE	2021	4
473	Roasting of black rice ( <i>Oryza Sativa</i> L.): change in physico-functional, thermo-pasting, antioxidant and anthocyanin content	Arora, Sarthak; Virdi, Ishleen Kaur; Sharanagat, Vijay Singh; Kheto, Ankan; Dhua, Subhamoy; Suhag, Rajat; Kumar, Rohit; Kumar, Yogesh; Patel, Ajay	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2021	4
474	Underutilized horse chestnut ( <i>Aesculus indica</i> ) flour and its utilization for the development of gluten-free pasta	Rafiq, Syed Insha; Muzaffar, Khalid; Rafiq, Syed Mansha; Saxena, D. C.; Dar, B. N.	ITALIAN JOURNAL OF FOOD SCIENCE	2021	4
475	An improvised collocation algorithm with specific end conditions for solving modified Burgers equation	Gupta, Shallu; Kukreja, Vijay Kumar	NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS	2021	4
476	Analysis of all-optical wavelength converter based on FWM effect in HNLF for coherent 100 Gbps dual-polarized DQPSK signal	Singh, Sukhbir; Singh, Surinder; Quang Minh Ngo; Mohammadi, Amin Malek	OPTICAL FIBER TECHNOLOGY	2020	4
477	Ultrasound-Promoted One-Pot Three-Component Synthesis of beta-Amino Carbonyl Compounds Using Manganese Perchlorate	Kaur, Bhupinder; Kumar, Harish	ORGANIC PREPARATIONS AND PROCEDURES INTERNATIONAL	2020	4
478	Design of single-fed dual-polarized dual-band slotted patch antenna for GPS and SDARS applications	Choudhary, Surya D.; Srivastava, Abhiruchi; Kumar, Manish	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2021	4
479	Kinetics of producing vanillin and 4-hydroxy benzaldehyde from the hydrolysis residue of rice straw by photocatalysis	Ahmad, Kaleem; Roy Ghatak, Himadri; Ahuja, S. M.	REACTION KINETICS MECHANISMS AND CATALYSIS	2020	4
480	Effect of Probe Ultrasonication, Microwave and Sunlight on Biosynthesis, Bioactivity and Structural Morphology of <i>Punica granatum</i> Peel's Polyphenols-Based Silver Nanoconjugates	Foujdar, Rimpi; Chopra, Harish Kumar; Bera, Manav Bandhu; Chauhan, Anil Kumar; Mahajan, Palak	WASTE AND BIOMASS VALORIZATION	2021	4
481	Effectiveness of active dynamic and passive thermography in the detection of maxillary sinusitis	Singh, Jaspreet; Arora, Ajat Shatru	QUANTITATIVE INFRARED THERMOGRAPHY JOURNAL	2021	4

482	Effect of different elemental chlorine-free bleaching sequences on pulp, effluent properties and their impact on index of global pollution	Tripathi, Sandeep Kumar; Bhardwaj, Nishi Kant; Ghatak, Himadri Roy	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2020	4
483	Development of a Polyfunctional Dipodal Schiff Base: An Efficient Chelator and a Potential Zinc Sensor	Gupta, Amit; Dangi, Vijay; Baral, Minati; Kanungo, B. K.	IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION	2019	4
484	Phase analysis and reduction behaviour of Ce dopant in zirconolite	Kaur, Rajveer; Gupta, M.; Kulriya, P. K.; Ghumman, S. S.	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	2019	4
485	Convergence Analysis and Complex Geometry of an Efficient Derivative-Free Iterative Method	Kumar, Deepak; Sharma, Janak Raj; Jantschi, Lorentz	MATHEMATICS	2019	4
486	An Efficient Class of Traub-Steffensen-Type Methods for Computing Multiple Zeros	Kumar, Deepak; Sharma, Janak Raj; Cesarano, Clemente	AXIOMS	2019	4
487	ETPS-MAC: Energy Traffic Priority Scheduling-based QoS-aware MAC protocol for hierarchical WSNs	Kaur, Tarunpreet; Kumar, Dilip	INTERNATIONAL JOURNAL OF ELECTRONICS	2019	4
488	Statistical Modeling of beta-Galactosidase Production from Novel Yeast Isolate Using Cheese Whey	Kumari, S.; Panesar, P. S.; Kaur, R.; Bera, M. B.	JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH	2019	4
489	Design and analysis of distance error correction-based localization algorithm for wireless sensor networks	Prashar, Deepak; Jyoti, Kiran; Kumar, Dilip	TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES	2018	4
490	Numerical inversion of Laplace transform based on Bernstein operational matrix	Rani, Dimple; Mishra, Vinod; Cattani, Carlo	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2018	4
491	Ball Convergence of an Efficient Eighth Order Iterative Method Under Weak Conditions	Sharma, Janak Raj; Argyros, Ioannis K.; Kumar, Sunil	MATHEMATICS	2018	4
492	Improvement in pulp quality and effluent properties using methanol as carbohydrate protector during ozone bleaching of wheat straw pulp	Tripathi, Sandeep Kumar; Bhardwaj, Nishi K.; Ghatak, Himadri Roy	APPITA	2018	4
493	Dynamic analysis of vehicle-track interaction due to wheel flat using bond graph	Kumar, Vivek; Rastogi, Vikas; Pathak, P. M.	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART K-JOURNAL OF MULTI-BODY DYNAMICS	2018	4
494	Utilization of graphene oxide-based microwave absorber for pattern enhancement of patch antenna array	Rani, Surekha; Marwaha, Anupma; Marwaha, Sanjay	JOURNAL OF NANOPHOTONICS	2018	4
495	Low-temperature thermal degradation behaviour of non-wood soda lignins and spectroscopic analysis of residues	Reddy, Induru Ashok Kumar; Ghatak, Himadri Roy	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	2018	4
496	Thermal, structural and rheological characterization of protein isolate from sesame meal	Saini, Charanjiv Singh; Sharma, Harish Kumar; Sharma, Loveleen	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2018	4

497	Further studies of isolated photon production with a jet in deep inelastic scattering at HERA	L.; Adamus, M.; Aggarwal, R.; 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.; Gizhko, 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.; Kisielewska, D.; Klanner, R.; Klein, U.; Korzhavina, I. A.; Kotanski, A.; Kovalchuk, N.; Kowalski, H.; Krupa, B.; Kuprash, O.; Kuze, M.; Levchenko, B. B.; Levy, A.; Lisovyi, M.; Lobodzinska, E.; Loehr, B.; Lohrmann, E.; Longhin, A.; Lukina, O. Yu.; Malka, J.; Mastroberardino, A.; Idris, F. Mohamad; Nasir, N. Mohammad; Myronenko, V.; Nagano, K.; Onishchuk, Yu.; Paul, E.; Perlanski, W.; Pokrovskiy, N. S.; Polini, A.; Przybycien, M.; Ruspa, M.;	JOURNAL OF HIGH ENERGY PHYSICS	2018	4
498	Graphene Based Wideband Arc Truncated Terahertz Antenna for Wireless Communication	Bansal, Gaurav; Marwaha, Anupma; Singh, Amanpreet; Bala, Rajni; Marwaha, Sanjay	CURRENT NANOSCIENCE	2018	4
499	Characterization of agro-industrial byproducts and wastes for sustainable industrial application	Jan, Kulsum; Riar, C. S.; Saxena, D. C.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	4
500	Modified Wideband Bowtie Antenna for WLAN and High Speed Data Communication Applications	Solanki, Lakhvinder Singh; Singh, Surinder; Singh, Dharmendra	WIRELESS PERSONAL COMMUNICATIONS	2017	4
501	A comparative study of flow properties of basmati and non-basmati rice flour from two different mills	Jan, Shumaila; Ghoroi, Chinmay; Saxena, D. C.	JOURNAL OF CEREAL SCIENCE	2017	4
502	INFLUENCE OF DRYING KINETICS ON MOISTURE DIFFUSIVITY, CAROTENE DEGRADATION AND NONENZYMATIC BROWNING OF PRETREATED AND UNTREATED CARROT SHREDS	Haq, Raees-ul; Kumar, Pradyuman; Prasad, Kamlesh	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	4
503	Optimization of Pellet Production from Agro-Industrial By-Products: Effect of Plasticizers on Properties of Pellets and Composite Pots	Jan, Kulsum; Riar, C. S.; Saxena, D. C.	JOURNAL OF POLYMERS AND THE ENVIRONMENT	2017	4
504	Towards comparative evaluation of trust and reputation models over static, dynamic and oscillating wireless sensor networks	Verma, Vinod Kumar; Singh, Surinder; Pathak, N. P.	WIRELESS NETWORKS	2017	4
505	Contractive maps on operator ideals and norm inequalities II	Aggarwal, Anchal; Kapil, Yogesh; Singh, Mandeep	LINEAR ALGEBRA AND ITS APPLICATIONS	2017	4

506	State of the art in fiber optics sensors for heavy metals detection	Shakya, Amit Kumar; Singh, Surinder	OPTICS AND LASER TECHNOLOGY	2022	3
507	Morphological and mechanical characterization of the Al-4032/granite powder composites	Kumar, Deepak; Singh, Pradeep K.; Saini, Pardeep	JOURNAL OF COMPOSITE MATERIALS	2022	3
508	RAFL: A hybrid metaheuristic based resource allocation framework for load balancing in cloud computing environment	Thakur, Avnish; Goraya, Major Singh	SIMULATION MODELLING PRACTICE AND THEORY	2022	3
509	Fake News Classification Based on Content Level Features	Lai, Chun-Ming; Chen, Mei-Hua; Kristiani, Endah; Verma, Vinod Kumar; Yang, Chao-Tung	APPLIED SCIENCES-BASEL	2022	3
510	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, Mohd Aaqib; Saini, Charanjiv Singh; Sharma, Harish Kumar	CURRENT RESEARCH IN FOOD SCIENCE	2022	3
511	Encapsulated bee propolis powder: Drying process optimization and physicochemical characterization	Pant, Kirty; Thakur, Mamta; Chopra, Harish Kumar; Nanda, Vikas	LWT-FOOD SCIENCE AND TECHNOLOGY	2022	3
512	Design of novel Penta core PCF SPR RI sensor based on fusion of IMD and EMD techniques for analysis of water and transformer oil	Shakya, Amit Kumar; Singh, Surinder	MEASUREMENT	2022	3
513	Diosgenin a steroidal compound: An emerging way to cancer management	Arya, Prajya; Kumar, Pradyuman	JOURNAL OF FOOD BIOCHEMISTRY	2021	3
514	Standardization of ultrasound assisted extraction for the recovery of phenolic compounds from mango peels	Kaur, Brahmeet; Panesar, Parmjit S.; Anal, Anil K.	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2022	3
515	A novel equilibrium optimizer based on levy flight and iterative cosine operator for engineering optimization problems	Minocha, Sachin; Singh, Birmohan	EXPERT SYSTEMS	2022	3
516	340 Gb/s all-optical NOT, XOR, XNOR, AB, AB, OR and NOR logic gates based on cross-gain modulation in semiconductor optical amplifiers	Sharma, Vishal; Lovkesh; Singh, Surinder	OPTIK	2021	3
517	Structural, morphological properties and phase stabilisation criteria of the calcia-zirconia system	Kumar, Ankit; Kumar, Pravin; Dhaliwal, A. S.	ADVANCES IN APPLIED CERAMICS	2021	3
518	Influence of thickness of hydrophobic polytetrafluoroethylene (PTFE) coatings on cavitation erosion of hydro-machinery steel SS410	Bansal, Anuj; Singh, Jagtar; Singh, Harpreet; Goyal, Deepak Kumar	WEAR	2021	3
519	Optimization and Development of Ready to Eat Chocolate Coated Roasted Flaked Rice as Instant Breakfast Food	Kumar, Shiv; Baniwal, Poonam; Nayik, Gulzar Ahmad; Prasad, Kamlesh; Khan, Khalid Ali; Ghramh, Hamed A.; Kumar, Harish; Karabagias, Ioannis Konstantinos	FOODS	2021	3
520	Wideband SIW Self-Diplexing antenna with simultaneous control of bandwidth and band position	Priya, Shruti; Kumar, Kundan; Dwari, Santanu; Mandal, Mrinal Kanti	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2021	3
521	Classification of Code-Mixed Bilingual Phonetic Text Using Sentiment Analysis	Singh, Shailendra Kumar; Sachan, Manoj Kumar	INTERNATIONAL JOURNAL ON SEMANTIC WEB AND INFORMATION SYSTEMS	2021	3

522	N-heterocyclic carbene complexes in ring opening polymerization	Jain, Isha; Malik, Payal	EUROPEAN POLYMER JOURNAL	2021	3
523	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, Tavneet; Sinha, M. M.	MATERIALS TODAY COMMUNICATIONS	2021	3
524	An Efficient Human Identification Through Iris Recognition System	Garg, Mamta; Arora, Ajatshatru; Gupta, Savita	JOURNAL OF SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE AND VIDEO TECHNOLOGY	2021	3
525	Remote Sensing for International Peace and Security: Its Role and Implications	Avtar, Ram; Kouser, Asma; Kumar, Ashwani; Singh, Deepak; Misra, Prakhar; Gupta, Ankita; Yunus, Ali P.; Kumar, Pankaj; Johnson, Brian Alan; Dasgupta, Rajarshi; Sahu, Netrananda; Besse Rimba, Andi	REMOTE SENSING	2021	3
526	Evolution of FLRW universe in Brans-Dicke gravity theory	Mishra, R. K.; Dua, Heena	ASTROPHYSICS AND SPACE SCIENCE	2021	3
527	Measurement of micro-harmonic vibration from optical feedback interferometry using wavelet trend analysis	Bhardwaj, Vibhor Kumar; Maini, Surita	OPTICS COMMUNICATIONS	2020	3
528	A Family of Derivative Free Optimal Fourth Order Methods for Computing Multiple Roots	Kumar, Sunil; Kumar, Deepak; Sharma, Janak Raj; Jantschi, Lorentz	SYMMETRY-BASEL	2020	3
529	Plasmonic periodic nanostructures for enhanced photovoltaic response in thin film GaAs solar cells	Singh, Gurjit; Verma, Suram S.	OPTICAL ENGINEERING	2020	3
530	Estimation of absolute distance and high-frequency vibration from the modulated SM-OFI signal using compound mutated genetic algorithm	Bhardwaj, Vibhor Kumar; Maini, Surita	OPTICS AND LASERS IN ENGINEERING	2020	3
531	First-time comparative investigation on Araucaria columnaris (G. Forst.) Hook. leaves: extraction techniques, phytochemicals, medicinal activities, and DFT study	Patial, Poonam K.; Cannoo, Damanjit S.	MEDICINAL CHEMISTRY RESEARCH	2021	3
532	Exploring the Potential of Supported Ionic Liquids as Building Block Systems in Catalysis	Kaur, Pawanpreet; Chopra, Harish K.	CHEMISTRYSELECT	2020	3
533	Moth flame optimizer-based solution approach for unit commitment and generation scheduling problem of electric power system	Bhadoria, Ashutosh; Marwaha, Sanjay	JOURNAL OF COMPUTATIONAL DESIGN AND ENGINEERING	2020	3
534	Effect of GTAW remelting on the corrosion performance of AISI 316L cladding	Malhotra, Dikshant; Shahi, Amandeep S.; Gupta, Kamal	MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION	2021	3
535	A Novel Family of Efficient Weighted-Newton Multiple Root Iterations	Kumar, Deepak; Sharma, Janak Raj; Jantschi, Lorentz	SYMMETRY-BASEL	2020	3
536	Comparative analysis of new improved force split-teeth Linear Switched Reluctance Motor for high speed transit systems	Prasad, Nisha; Jain, Shailendra; Gupta, Sushma	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2020	3
537	Creep Response of Rotating Composite Discs having Exponential, Hyperbolic, Linear and Constant Thickness Profiles	Singh, Rajinder; Saxena, Ravindra K.; Khanna, Kishore; Gupta, V. K.	DEFENCE SCIENCE JOURNAL	2020	3
538	Cosmological models in Saez-Ballester theory with bilinear varying deceleration parameter	Mishra, R. K.; Chand, Avtar	ASTROPHYSICS AND SPACE SCIENCE	2020	3

539	Compact and self-aligned fluid refractometer based on the Doppler-induced self-mixing effect	Bhardwaj, Vibhor Kumar; Maini, Surita	APPLIED OPTICS	2020	3
540	Physico-Chemical Analysis and Fatty Acid Profiling of Fenugreek (Trigonella foenum-graecum) Seed Oil Using Different Solvents	Munshi, Mohona; Arya, Prajya; Kumar, Pradyuman	JOURNAL OF OLEO SCIENCE	2020	3
541	Influence of different filler weld wire chemistries on metallurgical and mechanical behavior of ultrahigh strength steel welded joints	Sharma, Varun; Shahi, A. S.; Kumar, Subodh	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L- JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS	2019	3
542	Size-Dependent RIS and FOM of Ag-Fe and Au-Fe Bimetallic Alloys in Triangular Prism: a DDA Study	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	PHOTONIC SENSORS	2019	3
543	Manganese-mediated acetylation of alcohols, phenols, thiols, and amines utilizing acetic anhydride	Jain, Isha; Sharma, Ramandeep; Malik, Payal	SYNTHETIC COMMUNICATIONS	2019	3
544	Peroxidase as indicator enzyme of blanching in bottle gourd (Lagenaria siceraria): Changes in enzyme activity, color, and morphological properties during blanching	Bhat, Suheela; Saini, Charanjiv Singh; Kumar, Manish; Sharma, Harish Kumar	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2019	3
545	Optimization of process parameters on hydroxymethylfurfural content, diastase and invertase activity of coriander honey	Kamboj, Rajni; Sandhu, Rubrinder Singh; Kaler, R. S. S.; Bera, Manab Bandhu; Nanda, Vikas	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2019	3
546	An Efficient Derivative Free One-Point Method with Memory for Solving Nonlinear Equations	Sharma, Janak Raj; Kumar, Sunil; Cesarano, Clemente	MATHEMATICS	2019	3
547	Evaluation of RGB cube calibration framework and effect of calibration charts on color measurement of mozzarella cheese	Minz, P. S.; Saini, Charanjiv Singh	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2019	3
548	Impact Toughness, Fatigue Crack Growth and Corrosion Behavior of Thermally Aged UNS S32205 Duplex Stainless Steel	Singh, Jastej; Shahi, A. S.	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2019	3



549	Charm production in charged current deep inelastic scattering at HERA	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.; Gladilin, L. K.; Golubkov, Yu 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.; Loehr, B.; Lohrmann, E.; Longhin, A.; Lukina, O. Yu; Makarenko, I; Malka, J.; Masciocchi, S.; Nagano, K.; Nam, J. D.; Onderwaater, J.; Onishchuk, Yu; Paul, E.; Pidhurskyi, I; Polini, A.; Przybycien, M.; Quintero, A.; Ruspa, M.; Saxon, D. H.; Schneekloth, U.; Schoerner-Sadenius, T.; Selyuzhenkov, I; Shchedrolosiev, M.; Shcheglova, L. M.; Shkola, O.; Skillicorn, I. O.; Slominski, W.; Solano, A.; Stanco, L.; Stefaniuk, N.; Stopa, P.; Surov, B.; Sztuk-	JOURNAL OF HIGH ENERGY PHYSICS	2019	3
550	Structural effect on the central cavity of a pendent 12N3 macrocycle on bonding and photophysical properties of Eu3+ and Tb3+ complexes: Experimental and theoretical study	Rohini; Baral, Minati; Kanungo, B. K.	JOURNAL OF MOLECULAR STRUCTURE	2019	3
551	Next-generation Internet of things and cloud security solutions	Verma, Vinod Kumar; Ntalianis, Klimis; Moreno, Carlos Manuel; Yang, Chao-Tung	INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS	2019	3
552	Thermographic evaluation of mindfulness meditation using dynamic IR imaging	Singh, Jaspreet; Kumar, Sachin; Arora, Ajat Shatru	INFRARED PHYSICS & TECHNOLOGY	2018	3
553	Nutraceuticals from barley flour, flaxseed and rice bran oil-Extraction, chromatographic analysis, microbiological analysis and pesticide estimation	Kour, Jasmeet; Singh, Sukhcham; Saxena, Dharmesh Chandra	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2018	3
554	Effect of number of blades in ducted turbine system on kinetic energy extraction from chimney flue gases - benchmarking with wind energy system	Mann, Harjeet S.; Singh, Pradeep K.	JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY	2018	3
555	Algorithm for automatic calibration of color vision system in foods	Minz, P. S.; Sawhney, I. K.; Saini, C. S.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2018	3

556	Process development of bottle gourd sweetmeat by microwave heating: Changes in rheological, textural, sensory and morphological parameters	Bhat, Suheela; Saini, Charanjiv Singh; Sharma, Harish Kumar	FOOD BIOSCIENCE	2018	3
557	Design and Analysis of a New Class of Derivative-Free Optimal Order Methods for Nonlinear Equations	Sharma, Janak Raj; Argyros, Ioannis K.; Kumar, Deepak	INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS	2018	3
558	Absorption edge parameters of the L-III edge for compounds of Hg, Tl, Pb and Bi using EDXRF technique	Singh, Gurinderjeet; Singh, Amrit; Gupta, Manoj Kumar; Dhaliwal, A. S.; Kahlon, K. S.	RADIATION PHYSICS AND CHEMISTRY	2018	3
559	Characterization of 4 Element Compact Microstrip Patch Antenna Array for Efficient Null Steering	Kaur, B.; Marwaha, A.; Rani, S.	APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL	2017	3
560	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.	DESALINATION AND WATER TREATMENT	2017	3
561	Spectral, DFT and X-ray diffraction studies on regioselective synthesis of thiazolo-quinazoline system	Gautam, Deepika; Gautam, Poonam; Chaudhary, R. P.	JOURNAL OF MOLECULAR STRUCTURE	2017	3
562	Modeling of physicochemical and functional parameters of pumpkin (Cucurbita pepo) powder using response surface methodology	Deshmukh, Y.; Sharma, H. K.; Kumar, N.	INTERNATIONAL FOOD RESEARCH JOURNAL	2017	3
563	Electrically Small Microstrip Patch Antenna Loaded with Spiral Resonator for Wireless Applications	Rajni, Rajni; Marwaha, Anupma	WIRELESS PERSONAL COMMUNICATIONS	2017	3
564	Studies of the diffractive photoproduction of isolated photons at HERA	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.; Kisielewska, D.; Klanner, R.; Klein, U.; Korzhavina, I. A.; Kotanski, A.; Kovalchuk, N.; Kowalski, H.; Krupa, B.; Kuprash, O.; Kuze, M.; Levchenko, B. B.; Levy, A.; Lisovyi, M.; Lobodzinska, E.; Loehr, B.; Lohrmann, E.; Longhin, A.; Lukina, O. Yu.; Malka, J.; Mastroberardino, A.; Idris, F. Mohamad; Nasir, N. Mohammad; Myronenko, V.; Nagano, K.; Onishchuk, Yu.; Paul, E.; Perlanski, W.; Pokrovskiy, N. S.; Polini, A.; Przybycien, M.; Ruspa, M.;	PHYSICAL REVIEW D	2017	3

565	A hybrid impedance control scheme for underwater welding robots with a passive foundation in the controller domain	Kumar, Sunil; Rastogi, Vikas; Gupta, Pardeep	SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL	2017	3
566	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.	INTERNATIONAL FOOD RESEARCH JOURNAL	2017	3
567	Performance Analysis of Coaxial Probe Fed Modified Sierpinski-Meander Hybrid Fractal Heptaband Antenna for Future Wireless Communication Networks	Kumar, Yadwinder; Singh, Surinder	WIRELESS PERSONAL COMMUNICATIONS	2017	3
568	Studies on effect of temperature and time on textural and rheological properties of starch isolated from traditional rice cultivars of Kashmir (India)	Bhat, Farhan M.; Riar, Charanjit S.	JOURNAL OF TEXTURE STUDIES	2017	3
569	Comparative study on effect of ionic liquids on static stability of green emulsion liquid membrane	Thakur, Avinash; Jawa, Gulshan Kumar; Purtika, Gulshan Kumar	COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS	2022	2
570	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, Vikrant; Kumar, Vivek; Singh, Pradeep K.	JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY	2022	2
571	Investigation on characterization and machinability of Al-4032/SiC metal matrix composite	Saini, Pardeep; Singh, Pradeep K.	SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES	2022	2
572	Designing and Analysis of Ultrathin Metamaterial Absorber for W Band Biomedical Sensing Application	Singh, Harbinder; Gupta, Amit; Kaler, Rajinder Singh; Singh, Surinder; Gill, Amoljit Singh	IEEE SENSORS JOURNAL	2022	2
573	Effect of pressure on dynamical stability, electronic and thermoelectric properties of equiatomic quaternary Heusler alloy LaCoTiGe	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2022	2

574	Impact of jet-production data on the next-to-next-to-leading-order determination of HERAPDF2.0 parton distributions	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.; Mendez, L. Cunqueiro; 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.; Gangadharan, D.; Garfagnini, A.; Gayler, J.; Gehrman-De Ridder, A.; Gehrman, T.; Geiser, A.; Gladilin, L. K.; Glover, E. W. N.; Goerlich, L.; Gogitidze, N.; Golubkov, Yu A.; Gouzevitch, M.; Grab, C.; Greenshaw, T.; Grindhammer, G.; Grzelak, G.; Gwenlan, C.; Haidt, D.; Henderson, R. C. W.; Hladky, J.; Hochman, D.; Hoffmann, D.; Horisberger, R.; Hreus,	EUROPEAN PHYSICAL JOURNAL C	2022	2
575	A novel phishing detection system using binary modified equilibrium optimizer for feature selection	Minocha, Sachin; Singh, Birmohan	COMPUTERS & ELECTRICAL ENGINEERING	2022	2
576	A Reduced Switch Count Symmetric T-type Multilevel Inverter with Single and Multiple Switch Open Circuit Fault Tolerant Capabilities	Kumar, Vinay; Singh, Sanjeev; Jain, Shailendra	IETE JOURNAL OF RESEARCH	2022	2
577	Physical, Morphological, and Mechanical Characterization of Al-4032/GMP Composite Fabricated Through Stir Casting	Saini, Pardeep; Singh, Pradeep K.	JOM	2022	2
578	Two different temporal domain integration schemes combined with compact finite difference method to solve modified Burgers' equation	Kaur, Ravneet; Shallu; Kukreja, V. K.; Parumasur, Nabendra; Singh, Pravin	AIN SHAMS ENGINEERING JOURNAL	2022	2
579	Systematic Evaluation and Studies on the Effect of Octenyl Succinic Anhydride Treatment on Structural, Functional, Morphological, and Flow Properties of Underutilized Chenopodium album Starch	Singh, Renuka; Singh, Sukhcham; Saxena, D. C.	STARCH-STARKE	2022	2
580	A robust drug recall supply chain management system using hyperledger blockchain ecosystem	Agrawal, Divyansh; Minocha, Sachin; Namasudra, Suyel; Gandomi, Amir H.	COMPUTERS IN BIOLOGY AND MEDICINE	2022	2
581	Structural, functional, textural characterization and in vitro digestibility of underutilized Kutki millet (Panicum sumatrense) starch	Mahajan, Palak; Bera, Manab Bandhu; Panesar, Parmjit Singh	LWT-FOOD SCIENCE AND TECHNOLOGY	2022	2

582	Post-quantum lightweight identity-based two-party authenticated key exchange protocol for Internet of Vehicles with probable security	Gupta, Daya Sagar; Ray, Sangram; Singh, Tajinder; Kumari, Madhu	COMPUTER COMMUNICATIONS	2022	2
583	Electrochemical and photocatalytic degradation of methylene blue by using rGO/AgNWs nanocomposite synthesized by electroplating on stainless steel	Singh, Jagdeep; Dhaliwal, A. S.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2022	2
584	Studies on standardization of alcohol aided starch extraction process from Chenopodium album and its characterization	Singh, Renuka; Singh, Sukhcham; Saxena, D. C.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2021	2
585	Analysis of RLW and MRLW equation using an improvised collocation technique with SSP-RK43 scheme	Kukreja, V. K.	WAVE MOTION	2021	2
586	Diagnosis of an incipient defect in a worm gearbox using minimum entropy deconvolution and local cepstrum	Kumar, Surinder; Kumar, Rajesh	MEASUREMENT SCIENCE AND TECHNOLOGY	2021	2
587	An efficient class of fourth-order derivative-free method for multiple-roots	Kumar, Sunil; Kumar, Deepak; Sharma, Janak Raj; Argyros, Ioannis K.	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2021	2
588	Online Identification of Underlying Causes for Multiple and Multi-Stage Power Quality Disturbances Using S-Transform	Kumar, Rajat; Singh, Bhim; Kumar, Raj; Marwaha, Sanjay	IETE JOURNAL OF RESEARCH	2021	2
589	Ultrasound assisted regioselective synthesis, photophysical and structural studies of 1-substituted indazol-4(5H)-ones and enamindiketones of dimedone	Chaudhary, R. P.; Gautam, Poonam; Gautam, Deepika; Mittal, Isha	JOURNAL OF MOLECULAR STRUCTURE	2021	2
590	Chemistry of oxaphosphirane complexes	Volk, Niklas; Malik, Payal; Garcia Alcaraz, Antonio; Espinosa Ferao, Arturo; Streubel, Rainer	COORDINATION CHEMISTRY REVIEWS	2021	2
591	Reinforcement learning-based fuzzy geocast routing protocol for opportunistic networks	Khalid, Khuram; Woungang, Isaac; Dhurandher, Sanjay K.; Singh, Jagdeep	INTERNET OF THINGS	2021	2
592	Predator-prey optimization based clustering algorithm for wireless sensor networks	Panag, Tripatjot Singh; Dhillon, J. S.	NEURAL COMPUTING & APPLICATIONS	2021	2
593	Compositional-driven multiferroic and magnetoelectric properties of NdFeO <sub>3</sub> -PbTiO <sub>3</sub> solid solutions	Kumar, Sunil; Aggarwal, Kanika; Pal, Jaswinder; Kaur, Shubhpreet; Arora, Mehak; Malhi, Parambir Singh; Babu, P. D.; Singh, Mandeep; Singh, Anupinder	JOURNAL OF ASIAN CERAMIC SOCIETIES	2021	2
594	An improved particle swarm optimization using simplex-based deterministic approach for economic-emission power dispatch problem	Chopra, Namarta; Brar, Y. S.; Dhillon, J. S.	ELECTRICAL ENGINEERING	2021	2
595	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, Dibyajit; Baral, Minati; Kanungo, B. K.	JOURNAL OF MOLECULAR STRUCTURE	2020	2
596	Distance-based congestion control mechanism for CoAP in IoT	Bansal, Sharu; Kumar, Dilip	IET COMMUNICATIONS	2020	2

597	Simulated process integration of wastewater electrooxidation with recuperated micro gas turbine for energy recovery	Ghatak, Himadri Roy	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2020	2
598	An educational tool based on finite element method for electromagnetic study	Prasad, Nisha; Jain, Shailendra; Gupta, Sushma	INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION	2020	2
599	On a reduced cost derivative-free higher-order numerical algorithm for nonlinear systems	Sharma, Janak Raj; Kumar, Deepak	COMPUTATIONAL & APPLIED MATHEMATICS	2020	2
600	A graphene-based multiband antipodal Vivaldi nanoantenna for UWB applications	Bansal, Gaurav; Marwaha, Anupma; Singh, Amanpreet	JOURNAL OF COMPUTATIONAL ELECTRONICS	2020	2
601	Parametric optimization of USM parameters by Taguchi and NSGA-II for the development of mu-channels on pure titanium	Gupta, Rahul Dev; Gupta, Pardeep; Khanna, Rajesh	GREY SYSTEMS-THEORY AND APPLICATION	2020	2
602	Design of optical wavelength conversion based on cross polarization modulation effect of SOA-MZI	Singh, Sukhbir; Singh, Surinder	OPTICAL AND QUANTUM ELECTRONICS	2020	2
603	Investigations on high temperature wear and metallurgical characteristics of Stellite 6 GTA (Gas Tungsten Arc) weld claddings	Prakash, Adarsh; Shahi, A. S.	MATERIALS RESEARCH EXPRESS	2020	2
604	Reactive extraction of lactic acid using environmentally benign green solvents and a synergistic mixture of extractants	Kumar, A.; Thakur, A.	SCIENTIA IRANICA	2019	2
605	Measurement and Optimization of Performance Parameters of Linear Switched Reluctance Motor Using Finite Element Method	Prasad, N.; Jain, S.; Gupta, S.	MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA	2020	2
606	Generalized Kung-Traub method and its multi-step iteration in Banach spaces	Sharma, Janak Raj; Kumar, Sunil; Argyros, Ioannis K.	JOURNAL OF COMPLEXITY	2019	2
607	Ultrasound-Assisted Facile Synthesis and Antimicrobial Studies of Alkanediylobis-thiazolidin-4-ones and Alkanediylobis-thiazinan-4-ones	Kaur, Amritpal; Kaur, Avneet Pal; Gautam, Poonam; Gautam, Deepika; Chaudhary, Ram Pal	JOURNAL OF HETEROCYCLIC CHEMISTRY	2019	2
608	An Efficient Class of Weighted-Newton Multiple Root Solvers with Seventh Order Convergence	Sharma, Janak Raj; Kumar, Deepak; Cattani, Carlo	SYMMETRY-BASEL	2019	2
609	Performance enhancement of traffic information gathering (PEntInG) algorithm for vehicular ad-hoc networks	Kumar, Rajeev; Kumar, Dilip; Kumar, Dinesh	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2019	2
610	Optimization of aqueous extraction of orevactaene and flavanoid pigments produced by <i>Epicoccum nigrum</i>	Kaur, Sawinder; Panesar, Paramjit S.; Gurumayum, Sushma; Rasane, Prasad; Kumar, Vikas	PIGMENT & RESIN TECHNOLOGY	2019	2
611	On a Reduced Cost Higher Order Traub-Steffensen-Like Method for Nonlinear Systems	Sharma, Janak Raj; Kumar, Deepak; Jantschi, Lorentz	SYMMETRY-BASEL	2019	2
612	Development of Optimal Eighth Order Derivative-Free Methods for Multiple Roots of Nonlinear Equations	Sharma, Janak Raj; Kumar, Sunil; Argyros, Ioannis K.	SYMMETRY-BASEL	2019	2
613	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	Singh, Randev; Singh, Devinder; Singh, Amrit; Dhaliwal, A. S.	GLASS PHYSICS AND CHEMISTRY	2019	2

614	An Efficient Class of Traub-Steffensen-Like Seventh Order Multiple-Root Solvers with Applications	Sharma, Janak Raj; Kumar, Deepak; Argyros, Ioannis K.	SYMMETRY-BASEL	2019	2
615	Moisture sorption isotherms and quality characteristics of onion powder during storage as affected by sprouting	Majid, Ishrat; Hussain, Shafat; Nanda, Vikas	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2019	2
616	Performance Analysis of Mobile Nodes in Mobile Ad-hoc Networks using Enhanced Manhattan Mobility Model	Kour, S.; Ubhi, J. Singh	JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH	2019	2
617	On a Class of Efficient Higher Order Newton-like Methods	Sharma, Janak Raj; Kumar, Deepak	MATHEMATICAL MODELLING AND ANALYSIS	2019	2
618	Effect of Egg Albumen, Vegetable Oil, Corn Bran, and Cooking Methods on Quality Characteristics of Chicken Nuggets Using Response Surface Methodology	Pathera, Ashok Kumar; Riar, Charanjit Singh; Yadav, Sanjay; Singh, Pradeep Kumar	KOREAN JOURNAL FOR FOOD SCIENCE OF ANIMAL RESOURCES	2018	2
619	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.	ACTA ALIMENTARIA	2018	2
620	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, Seema; Saxena, Dharmesh C.; Riar, Charanjit S.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2018	2
621	Design of Digital IIR Filter with Conflicting Objectives Using Hybrid Predator-Prey Optimization	Sidhu, D. S.; Dhillon, J. S.	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2018	2
622	Extraction and in vitro antioxidant capacity evaluation of phenolic compounds from pigmented aromatic rice ( <i>Oryza sativa</i> L.) cultivars	Bhat, Farhan M.; Riar, Charanjit S.	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2018	2
623	TOTAL PHENOLIC CONTENT, ANTIOXIDANT ACTIVITY, AND ANTHOCYANIN PROFILE OF SPROUTED ONION POWDER	Majid, I.; Nanda, V.	ACTA ALIMENTARIA	2018	2
624	Enhancing the Abrasive Wear Resistance of Rotary Blade Material (AISI 30MnCrB4) by Cryogenic Treatment	Singh, T. P.; Singh, J.; Singh, K.	JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH	2018	2
625	Synthesis, thermodynamic, photophysical and DFT studies of some trivalent metal chelates of a hexadentate tripodal hydroxyquinolate-based ligand	Akbar, Rifat; Baral, Minati; Kanungo, B. K.	JOURNAL OF COORDINATION CHEMISTRY	2018	2
626	DESIGN AND ANALYSIS OF A CLASS OF WEIGHTED-NEWTON METHODS WITH FROZEN DERIVATIVE	Sharma, Janak Raj; Kumar, Deepak	TWMS JOURNAL OF PURE AND APPLIED MATHEMATICS	2018	2
627	Value addition to agro industrial by-products: Effect of temperature and plasticizer on various properties of pellets developed using extrusion technology	Jan, Kulsum; Riar, C. S.; Saxena, D. C.	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2017	2

628	Antioxidant activity, phenolic, carotenoid and color changes in packaged fresh carrots stored under refrigeration temperature	Raees-ul Haq; Prasad, Kamlesh	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	2
629	Studies of total bremsstrahlung spectra in the oxides of lanthanides	Singh, Amrit; Singh, Tajinder; Dhaliwal, A. S.	RADIATION PHYSICS AND CHEMISTRY	2017	2
630	Contractive maps on operator ideals and norm inequalities III	Aggarwal, Anchal; Kapil, Yogesh; Singh, Mandeep	LINEAR ALGEBRA AND ITS APPLICATIONS	2017	2
631	A system for computer-aided gating design for multi-cavity die-casting dies	Kumar, Vijay; Madan, Jatinder	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B- JOURNAL OF ENGINEERING MANUFACTURE	2017	2
632	Total bremsstrahlung spectra of thick lead compounds produced by Sr-90 beta emitter in photon energy region of 10-100 keV	Sharma, Suhansar Jit; Singh, Tajinder; Singh, Doordarshi; Singh, Amrit; Dhaliwal, A. S.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2017	2
633	Sorption behavior, thermodynamic properties and storage stability of ready-to-eat Elephant Foot Yam ( <i>Amorphophallus</i> spp.) product: physico-chemical properties, minerals, total dietary fiber and phenolic content of stored product	Sangeeta; Hathan, Bahadur Singh	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	2
634	Analyzing the effect of optimization conditions of germination on the antioxidant activity, total phenolics, and antinutritional factors of <i>Chenopodium</i> ( <i>Chenopodium album</i> )	Jan, Romee; Saxena, D. C.; Singh, Sukhcham	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2017	2
635	Kinetic Energy Recovery from the Chimney Flue Gases Using Ducted Turbine System	Mann, Harjeet S.; Singh, Pradeep K.	CHINESE JOURNAL OF MECHANICAL ENGINEERING	2017	2
636	Reduced cost numerical methods of sixth-order convergence for systems of nonlinear models	Singh, Harmandeep; Sharma, Janak Raj	REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS	2022	1
637	Parametric optimization of FDM using the ANN-based whale optimization algorithm	Kumar, Praveen; Gupta, Pardeep; Singh, Indraj	AI EDAM-ARTIFICIAL INTELLIGENCE FOR ENGINEERING DESIGN ANALYSIS AND MANUFACTURING	2022	1
638	Characterization and optimization analysis on surface finish and energy consumption in turning of Al-4032/GMP MMC produced by stir casting	Saini, Pardeep; Singh, Pradeep K.	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C- JOURNAL OF MECHANICAL ENGINEERING	2022	1
639	Synthesis and characterization of a double helical dinuclear Zn-salen complex and its application in the detection of nitroaromatics	Malik, Payal; Jain, Isha	NEW JOURNAL OF CHEMISTRY	2022	1



640	Maximal overlap discrete wavelet packet transforms and variants of neutrosophic cubic cross-entropy-based identification of rotor defects	Gandhi, Chander Parkash; Kumar, Anil; Vashist, Govind; Tang, Hesheng; Rai, Akhand; Xiang, Jiawei	MEASUREMENT SCIENCE AND TECHNOLOGY	2022	1
641	Sizing and Allocation of DGs in A Passive Distribution Network Under Various Loading Scenarios	Kashyap, Mohan; Kansal, Satish; Verma, Rishabh	ELECTRIC POWER SYSTEMS RESEARCH	2022	1
642	Optimization of ultrasound-assisted enzymatic extraction of resistant starch from green banana peels and its structural characterization	Kaur, Brahmeet; Venkatrao, Kamble B.; Panesar, Parmjit S.; Chopra, Harish K.; Anal, Anil K.	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2022	1
643	Thermally induced phase transformation and structural modifications of E-beam evaporated zirconia thin films	Kumar, Ankit; Kumar, Pravin; Dhaliwal, A. S.	PHASE TRANSITIONS	2022	1
644	Structural and electronic behavior of yttrium doped zirconolite ceramic; a potential waste form for burning minor actinides	Kaur, Rajveer; Gupta, M.; Kulriya, P. K.; Ghumman, S. S.	PHYSICA SCRIPTA	2022	1
645	Effect of process parameters on roll separating force, driving torque and end crop length during grooved hot rolling of SAE 1020 steel	Singh, Gulvir; Singh, Pradeep K.	JOURNAL OF MANUFACTURING PROCESSES	2022	1
646	Review of Shikonin and Derivatives: Isolation, Chemistry, Biosynthesis, Pharmacology and Toxicology	Yadav, Snehlata; Sharma, Ajay; Nayik, Gulzar Ahmad; Cooper, Raymond; Bhardwaj, Garima; Sohal, Harvinder Singh; Mutreja, Vishal; Kaur, Ramandeep; Areche, Franklin Ore; AlOudat, Mohannad; Shaikh, Ayaz Mukarram; Kovacs, Bela; Ahmed, Abdelhakam Esmaeil Mohamed	FRONTIERS IN PHARMACOLOGY	2022	1
647	Improvement in properties of edible film through non-thermal treatments and nanocomposite materials: A review	Das, Dipak; Panesar, Parmjit S.; Saini, Charanjiv S.; Kennedy, John F.	FOOD PACKAGING AND SHELF LIFE	2022	1
648	Supercritical fluid extraction of essential oils from Citrus reticulata peels: optimization and characterization studies	Rajput, Shreya; Kaur, Samandeep; Panesar, Parmjit S.; Thakur, Avinash	BIOMASS CONVERSION AND BIOREFINERY	2022	1
649	Hydrothermal Treatment of Pretreated Castor Residue for the Production of Bio-oil	Kaur, Ravneet; Gera, Poonam; Jha, Mithilesh Kumar; Bhaskar, Thallada	BIOENERGY RESEARCH	2022	1
650	Effect of malting and roasting of chickpea on functional and nutritional qualities of its protein fractions	Kaur, Ravneet; Prasad, Kamlesh	INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY	2022	1
651	Development of frequency comb generation by spectral broadening of periodic optical pulses in semiconductor laser amplifiers	Sharma, Vishal; Singh, Surinder; Lovkesh	JOURNAL OF OPTICS	2022	1
652	Comparative analysis of antioxidant potential and techno-functional properties of selected corn silk varieties at different developmental stages	Singh, Jyoti; Rasane, Prasad; Kaur, Sawinder; Nanda, Vikas	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2022	1
653	Exploration of microwaves for biorefining of phenolic antioxidants from Citrus reticulata peels: Spectrophotometric and spectroscopic analyses	Kaur, Samandeep; Panesar, Parmjit S.; Chopra, Harish K.	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	1

654	Recent advances in therapeutical applications of the versatile hydroxypyridinone chelators	Sharma, Shailza; Baral, Minati; Kanungo, B. K.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2022	1
655	Mass transfer kinetics and process optimization of osmotic dehydration of Kinnow mandarin (Citrus reticulata) peel	Kaur, Balpreet; Rana, Priya; Sridhar, Kandi	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	1
656	Recent Trends in the Management of Mango By-products	Kaur, Brahmeet; Panesar, Parmjit S.; Anal, Anil K.; Ky, Son C.	FOOD REVIEWS INTERNATIONAL	2022	1
657	Degradation of Dimethoate Pesticide in Soil: Impact of Soil Moisture and Enhanced Sunlight Intensity	Rani, Sunita; Sud, Dhiraj	WATER AIR AND SOIL POLLUTION	2022	1
658	Antioxidant potential, anti-nutritional factors, volatile compounds and phenolic composition of microwave heat-treated plum (Prunus domestica. L.) kernels: an analytical approach	Sheikh, Mohd Aaqib; Saini, Charanjiv Singh; Sharma, Harish Kumar	BRITISH FOOD JOURNAL	2022	1
659	SDSWSN-A Secure Approach for a Hop-Based Localization Algorithm Using a Digital Signature in the Wireless Sensor Network	Prashar, Deepak; Rashid, Mamoon; Siddiqui, Shams Tabrez; Kumar, Dilip; Nagpal, Amandeep; AlGhamdi, Ahmed Saeed; Alshamrani, Sultan S.	ELECTRONICS	2021	1
660	Development of a Flexible Tripodal Hydroxypyridinone Ligand with Cyclohexane Framework: Complexation, Solution Thermodynamics, Spectroscopic and DFT Studies	Dash, Dibyajit; Baral, Minati; Kanungo, Bikram K.	CHEMISTRYSELECT	2021	1
661	Evaluating comparative beta-glucan production aptitude of Saccharomyces cerevisiae, Aspergillus oryzae, Xanthomonas campestris, and Bacillus natto	Utama, Gemilang Lara; Dio, Casey; Sulistiyo, Joko; Chye, Fook Yee; Lembong, Elazmanawati; Cahyana, Yana; Verma, Deepak Kumar; Thakur, Mamta; Patel, Ami R.; Singh, Smita	SAUDI JOURNAL OF BIOLOGICAL SCIENCES	2021	1
662	Indium(III)-Catalyzed Synthesis of Primary Carbamates and N-Substituted Ureas	Jain, Isha; Malik, Payal	SYNLETT	2022	1
663	Statistical Quantification of Texture Visual Features for Pattern Recognition by Analyzing Pre- and Post-Multispectral Landsat Satellite Imagery	Shakya, Amit Kumar; Ramola, Ayushman; Vidyarthi, Anurag	NATURAL HAZARDS REVIEW	2021	1
664	Cross-phase modulation based ultra-flat 90-line optical frequency comb generation	Sharma, Vishal; Singh, Surinder; Lovkesh	OPTICAL AND QUANTUM ELECTRONICS	2021	1
665	Theoretical model of cascaded electro-optic intensity modulator-based 2.31-THz broad optical frequency comb generator	Sharma, Vishal; Singh, Surinder; Bhatia, Lovkesh	OPTICAL ENGINEERING	2021	1
666	Recent advancements in ionic liquid based carbon capture technologies	Sood, Akash; Thakur, Avinash; Ahuja, Sandeep Mohan	CHEMICAL ENGINEERING COMMUNICATIONS	2021	1
667	Effect of spin-polarization on structural, electronic, and lattice dynamical properties of 'MnY <sub>2</sub> Ga' Full Heusler alloy	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	PHYSICA B-CONDENSED MATTER	2022	1
668	Hybrid SFO and TLBO optimization for biodegradable classification	Sharma, Suvita Rani; Singh, Birmohan; Kaur, Manpreet	SOFT COMPUTING	2021	1

669	Nutmeg nutraceutical constituents: In vitro and in vivo pharmacological potential	Malik, Tanu; Sharma, Ruchi; Panesar, Paramjit Singh; Gehlot, Rakesh; Tokusoglu, Ozlem; Dhull, Sanju Bala; Vural, Halil; Singh, Ajay	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	1
670	Error bounds for septic Hermite interpolation and its implementation to study modified Burgers' equation	Kumari, Archna; Kukreja, V. K.	NUMERICAL ALGORITHMS	2022	1
671	An Improved Extrapolated Collocation Technique for Singularly Perturbed Problems using Cubic B-Spline Functions	Shallu; Kumari, Archna; Kukreja, Vijay Kumar	MEDITERRANEAN JOURNAL OF MATHEMATICS	2021	1
672	Formic acid pulping process of rice straw for manufacturing of cellulosic fibers with silica	Sinha, Akhouri Sanjay Kumar	TAPPI JOURNAL	2021	1
673	Design of Low Profile Cylindrical Conformed Microstrip Patch Antenna for Wideband Operation	Kohar, Sandeep; Singh, Surinder; De, Asok	IETE JOURNAL OF RESEARCH	2021	1
674	Extraction and evaluation of structural and physicochemical properties of dietary fiber concentrate from mango peels by using green approach	Kaur, Brahmeet; Panesar, Parmjit S.; Thakur, Avinash	BIOMASS CONVERSION AND BIOREFINERY	2021	1
675	A comprehensive phytochemical, ethnomedicinal, pharmacological ecology and conservation status of <i>Picrorhiza kurroa</i> Royle ex Benth.: An endangered Himalayan medicinal plant	Bhardwaj, Anikesh; Sharma, Ajay; Cooper, Raymond; Bhardwaj, Garima; Gaba, Jyoti; Mutreja, Vishal; Chauhan, Arjun	PROCESS BIOCHEMISTRY	2021	1
676	Synthesis and Application of (S)-Nicotine-Based Chiral Ionic Liquids in Enantiomeric Recognition by Using Fluorescence Spectroscopy	Kaur, Nirmaljeet; Rahim, Junaid Ur; Rai, Rajkishore; Chopra, Harish Kumar	CHEMISTRYSELECT	2021	1
677	Synthesis, solution studies and DFT investigation of a tripodal ligand with 3-hydroxypyran-4-one scaffold	Sharma, Shailza; Baral, Minati; Dash, Dibyajit; Kanungo, B. K.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2021	1
678	Computational and experimental studies on the effect of conformational flexibility on bonding and photophysics of a triaza-macrocyclic tripod	Verma, Rohini; Baral, Minati; Kanungo, B. K.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2021	1
679	Robust septic Hermite collocation technique for singularly perturbed generalized Hodgkin-Huxley equation	Kumari, Archna; Kukreja, V. K.	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	2022	1
680	Spectroscopic, X-ray and DFT studies of prototropic tautomerism and photophysical properties of regioselectively designed new 3-, 2,3-substituted tetrahydro[4H]indazol-4-ones	Rana, Jasneet; Chaudhary, R. P.	JOURNAL OF MOLECULAR STRUCTURE	2021	1
681	Energy harvesting from low-frequency sinusoidal vibrations using diaphragm type piezoelectric element	Yadav, Nitin; Kumar, Rajesh	INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES	2021	1

682	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, Nisar A.; Riar, Charanjit S.; Singh, Sukhcham	FOOD PACKAGING AND SHELF LIFE	2021	1
683	Role of Operating Process Parameters on Stability Performance of Green Emulsion Liquid Membrane Based on Rice Bran Oil	Kumar, Anil; Thakur, Avinash; Panesar, Parmjit Singh	THEORETICAL FOUNDATIONS OF CHEMICAL ENGINEERING	2021	1
684	Bianchi type-I cosmological model in Saez-Ballester theory with variable deceleration parameter	Mishra, R. K.; Dua, Heena	ASTROPHYSICS AND SPACE SCIENCE	2021	1
685	Deep Transfer Learning Based Multiway Feature Pyramid Network for Object Detection in Images	Kaur, Parvinder; Khehra, Baljit Singh; Pharwaha, Amar Partap Singh	MATHEMATICAL PROBLEMS IN ENGINEERING	2021	1
686	Improved Directional Bat Algorithm Based Electric Power Dispatch	Singh, Diljinder; Dhillon, Jaspreet Singh	ELECTRIC POWER COMPONENTS AND SYSTEMS	2021	1
687	An excellent numerical technique for multiple roots	Sharma, Janak Raj; Kumar, Sunil	MATHEMATICS AND COMPUTERS IN SIMULATION	2021	1
688	Burst: real-time events burst detection in social text stream	Singh, Tajinder; Kumari, Madhu	JOURNAL OF SUPERCOMPUTING	2021	1
689	Revealing the trend of structural, electronic, mechanical and vibrational properties in Co <sub>2</sub> VX (X= Si, Ge, Sn)	Kaur, Tavneet; Sinha, M. M.	JOURNAL OF SOLID STATE CHEMISTRY	2021	1
690	Spectroscopic, photophysical, solution thermodynamics and computational study of europium and terbium complexes with a flexible quinolinol-based symmetric tripodal chelator	Akbar, Rifat; Baral, Minati; Kanungo, B. K.	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	2021	1
691	Tolerance analysis and yield estimation using Monte Carlo simulation - case study on linear and nonlinear mechanical systems	Singh, Pradeep K.; Gulati, Vaibhav	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2021	1
692	Synthesis and modification of ZnO thin films by energetic ion beams	Krishna, Richa; Agarwal, Dinesh Chandra; Avasthi, Devesh Kumar	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2021	1
693	Formula refining through composite blend of soya, alfalfa, and wheat flour; A vegan meat approach	Sharma, Aditi; Rawat, Kritika; Jattan, Priyanka; Kumar, Pradyuman; Tokusoglu, Ozlem; Kumar, Pankaj; Vural, Halil; Singh, Ajay	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	1
694	On the design of novel half T-square strip fractal antenna	Kumar, Ashwini; Pharwaha, Amar Partap Singh	INTERNATIONAL JOURNAL OF ELECTRONICS	2021	1
695	Predicting tensile-shear strength of nugget using M5P model tree and random forest: An analysis	Dang, Subrat Kumar; Singh, Kulwant	COMPUTERS IN INDUSTRY	2021	1
696	Changes in major flavonols and quercetin glycosides upon sprouting in onion cultivars	Majid, Ishrat; Hussain, Shafat; Nanda, Vikas; Jabeen, Faiza; Abbasi, Arshad Mehmood; Alkahtani, Jawaher; Elshikh, Mohamed Soliman; Khan, Muhammad Azhar; Usmani, Salma; Ansari, Mohammad Javed	JOURNAL OF KING SAUD UNIVERSITY SCIENCE	2021	1

697	Recent Progress in Synthesis and Applications of Tunable Materials and Nanomaterials Based on Organic Salts	Kaur, Pawanpreet; Chopra, Harish K.	CHEMISTRYSELECT	2020	1
698	A Modified Newton-Ozban Composition for Solving Nonlinear Systems	Sharma, Rajni; Sharma, Janak Raj; Kalra, Nitin	INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS	2020	1
699	Biochemistry and molecular aspects of 2-acetyl-1-pyrroline biosynthesis in rice ( <i>Oryza sativa</i> L.): A review	Verma, Deepak Kumar; Thakur, Mamta; Srivastav, Prem Prakash	ISRAEL JOURNAL OF PLANT SCIENCES	2020	1
700	Optical combinational circuit for contention detection circuit in all optical router	Singh, Surinder; Singh, Dilbag; Lovkesh	OPTIK	2020	1
701	FPS-MAC: Fuzzy priority scheduling-based MAC protocol for intelligent monitoring systems	Kaur, Tarunpreet; Kumar, Dilip	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2020	1
702	Tunable optical response of Fe-Ag nanoparticles in core-Shell nanostructures	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS	2020	1
703	Study of proton parton distribution functions at high x using ZEUS data	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.; Gladilin, L. K.; Golubkov, Yu 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.; Loehr, B.; Longhin, A.; Lukina, O. Yu; Makarenko, I.; Malka, J.; Masciocchi, S.; Nagano, K.; Nam, J. D.; Onderwaater, J.; Onishchuk, Yu; Paul, E.; Pidhurskyi, I.; Polini, A.; Przybycien, M.; Quintero, A.; Ruspa, M.; Saxon, D. H.; Schneekloth, U.; Schoerner-Sadenius, T.; Selyuzhenkov, I.; Shchedrolosiev, M.; Shcheglova, L. M.; Skillicorn, I. O.; Slominski, W.; Solano, A.; Stanco, L.; Stefaniuk, N.; Stopa, P.; Surrow, B.; Sztuk-Dambietz, J.; Tassi, E.;	PHYSICAL REVIEW D	2020	1
704	Characterization and measurement of nanostructured copper-based electromagnetic wave absorber	Rani, Surekha; Marwaha, Anupma; Marwaha, Sanjay; Bindra, Sukhleen; Chavali, Murthy; Reddy, P. Narasimha	ELECTROMAGNETICS	2020	1
705	Optimization of turning parameters of titanium chrome-molybdenum (Ti-Cr-Mo) alloy using taguchi method	Singh, Manpreet; Singh, Gagandeep; Jayant, Arvind	INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES	2020	1

706	An approach to multi-wavelength conversion based on cross-phase modulation effect in dual HNLFs for optical orthogonal modulation format	Singh, Sukhbir; Singh, Surinder	OPTICAL AND QUANTUM ELECTRONICS	2020	1
707	Performance Evaluation of the Optimized Error Correction Based Hop Localization Approach in a Wireless Sensor Network	Prashar, Deepak; Kumar, Dilip	WIRELESS PERSONAL COMMUNICATIONS	2020	1
708	Computer Aided Face Liveness Detection with Facial Thermography	Singh, Manminder; Arora, Ajat Shatru	WIRELESS PERSONAL COMMUNICATIONS	2020	1
709	Study on the Development of a Cyclohexane Based Tripodal Molecular Device as OFF-ON-OFF pH Sensor and Fluorescent Iron Sensor	Dangi, Vijay; Baral, Minati; Kanungo, B. K.	CURRENT ANALYTICAL CHEMISTRY	2020	1
710	OPTIMIZED NULL STEERING IN COMPACT BOWTIE ANTENNA ARRAY USING SIMULATION DRIVEN TAGUCHI METHOD	Kaur, Baljinder; Marwaha, Anupma	METROLOGY AND MEASUREMENT SYSTEMS	2020	1
711	Influence of intermetallic precipitation on metallurgical, mechanical and pitting behavior of AISI 2205 duplex stainless steel welded joints	Majid, Mohd; Shahi, A. S.	MATERIALS RESEARCH EXPRESS	2019	1
712	Structural investigation of Nd-zirconolite irradiated with He <sup>+</sup> ions	Gupta, M.; Kulriya, P. K.; Kumar, R.; Ghumman, S. S.	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	2020	1
713	Probing swift heavy ion irradiation damage in Nd-doped zirconolite	Gupta, Merry; Kulriya, P. K.; Meena, R. C.; Neumeier, S.; Ghumman, S. S.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2019	1
714	Storage stability determination of calorie deficit gluten-free biscuit: Taguchi concern	Singh, Ajay; Kumar, Pradyuman	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2019	1
715	Some New Harmonic Mappings Convex in One Direction and their Convolution	Singla, Chinu; Gupta, Sushma; Singh, Sukhjot	FILOMAT	2019	1
716	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.	SCIENTIA IRANICA	2018	1
717	Data proliferation based estimations over distribution factor in heterogeneous wireless sensor networks	Verma, Vinod Kumar; Ntalianis, Klimis; Singh, Surinder; Pathak, N. P.	COMPUTER COMMUNICATIONS	2018	1
718	A Reliable Leakage Reduction Technique for Approximate Full Adder with Reduced Ground Bounce Noise	Goyal, Candy; Ubhi, Jagpal Singh; Raj, Balwinder	MATHEMATICAL PROBLEMS IN ENGINEERING	2018	1
719	Development and parameter optimization of maize flat bread supplemented with asparagus bean flour	Shah, Tajamul Rouf; Prasad, Kamlesh; Kumar, Pradyuman	FOOD SCIENCE AND TECHNOLOGY	2018	1
720	Thick target total bremsstrahlung spectra of lead compounds in the photon energy region 1-10 keV by Sr-90 beta particles	Sharma, Suhansar Jit; Singh, Tajinder; Singh, Doordarshi; Singh, Amrit; Dhaliwal, A. S.	APPLIED RADIATION AND ISOTOPES	2017	1

721	Synthesis of chitosan based gel and study of swelling characteristics	Bhullar, Navneet; Kumari, Kamlesh; Sud, Dhiraj	INDIAN JOURNAL OF CHEMICAL TECHNOLOGY	2017	1
722	SCREENING OF MEDIA COMPONENTS AND PROCESS PARAMETERS FOR PRODUCTION OF L(+) LACTIC ACID FROM POTATO WASTE LIQUID USING AMYLOLYTIC RHIZOPUS ORYZAE	Panesar, P. S.; Kaur, S.	ACTA ALIMENTARIA	2017	1
723	Two Stage Grid Classification Based Algorithm for the Identification of Fields Under a Wireless Sensor Network Monitored Area	Panag, Tripatjot Singh; Dhillon, J. S.	WIRELESS PERSONAL COMMUNICATIONS	2017	1
724	Kinetic study on triazophos adsorption in soil and its persistence behaviour in different environmental segments	Rani, S.; Sud, D.	AGROCHIMICA	2017	1
725	Development of peanut and chickpea nut brittle (Chikki) from the incorporation of sugar, jaggery and corn syrup	Tidke, B.; Sharma, H. K.; Kumar, N.	INTERNATIONAL FOOD RESEARCH JOURNAL	2017	1
726	Controller Optimization Algorithm for a 12-pulse Voltage Source Converter based HVDC System	Agarwal, Ruchi; Singh, Sanjeev	JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY	2017	1
727	Comparative Analysis of Hybrid Models for Prediction of BP Reactivity to Crossed Legs	Kaur, Gurmanik; Arora, Ajat Shatru; Jain, Vijender Kumar	JOURNAL OF HEALTHCARE ENGINEERING	2017	1
728	A review on template assisted synthesis of multi-functional metal oxide nanostructures: Status and prospects	Kaur, Arshpreet; Bajaj, Bharat; Kaushik, Ajeet; Saini, Anju; Sud, Dhiraj	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2022	0
729	Impact of HVOF sprayed Vanadium Carbide (VC) based novel coatings on slurry erosion behaviour of hydro-machinery SS316 steel	Singh, Vikrant; Singla, Anil Kumar; Bansal, Anuj	TRIBOLOGY INTERNATIONAL	2022	0
730	Nanogap effects on plasmonic properties of dimer	Bhatia, Pradeep; Verma, S. S.; Sinha, M. M.	OPTICAL AND QUANTUM ELECTRONICS	2022	0
731	Prediction of surface roughness in turning using vibration features selected by largest Lyapunov exponent based ICEEMDAN decomposition	Guleria, Vikrant; Kumar, Vivek; Singh, Pradeep K.	MEASUREMENT	2022	0
732	First principles calculations to investigate Li-based quaternary Heusler compounds LiHfCoX (X = Ge, Sn) for thermoelectric applications	Kaur, Tavneet; Singh, Jaspal; Goyal, Megha; Kaur, Kulwinder; Khandy, Shakeel Ahmad; Bhat, Muzzammil Ahmad; Sharopov, Utkir Bahodirovich; Dhiman, Shobhna; Wani, Aadil Fayaz; Rani, Bindu; Sinha, M. M.; Verma, S. S.	PHYSICA SCRIPTA	2022	0
733	200 Gb/s PAM4 modulator design without DAC for inter Data-Centre Communication	Sharma, Vishal; Singh, Surinder; Lovkesh	OPTICAL AND QUANTUM ELECTRONICS	2022	0
734	Density functional theory studies on molecular geometry, spectroscopy, HOMO-LUMO and reactivity descriptors of titanium(IV) and oxidozirconium(IV) complexes of phenylacetohydroxamic acid	Choudhary, Vineet Kumar; Mandhan, Kanika; Dash, Dibyajit; Bhardwaj, Sachin; Kumari, Meena; Sharma, Neeraj	JOURNAL OF COMPUTATIONAL CHEMISTRY	2022	0

735	Parametric modeling and optimization of electrochemical machining of EN-31 alloy steel	Singh, Pradeep K.; Sangle, Santosh; Singh, Aswani K.; Guleria, Vikrant	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2022	0
736	Systematic evaluation and effect of different treatments (HMT, QESD, OSA) on flow properties of <i>Chenopodium album</i> starch	Singh, Renuka; Singh, Sukhcham; Saxena, Dharmesh Chandra	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	0
737	Design of tunable optical frequency comb generation based on electro-optic modulator	Sharma, Vishal; Singh, Surinder; Lovkesh	PHOTONIC NETWORK COMMUNICATIONS	2022	0
738	Diosgenin: An ingress towards solving puzzle for diabetes treatment	Arya, Prajya; Kumar, Pradyuman	JOURNAL OF FOOD BIOCHEMISTRY	2022	0
739	Shishkin mesh based septic Hermite interpolation algorithm for time-dependent singularly perturbed convection-diffusion models	Kumari, Archana; Kukreja, V. K.	JOURNAL OF MATHEMATICAL CHEMISTRY	2022	0
740	Structural, morphological, and phase transformation studies of 1.4 MeV Kr ion beam irradiated zirconia thin films	Kumar, Ankit; Singh, S. K.; Kumar, Pravin; Dhaliwal, A. S.	JOURNAL OF MATERIALS RESEARCH	2022	0
741	Enhancing constrained application protocol using message options for internet of things	Bansal, Sharu; Kumar, Dilip	CLUSTER COMPUTING- THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2022	0
742	Thionyl Chloride Facilitated Polymerization of Xanthan Gum Grafted Copolymers for Wastewater Remediation by Exclusion of Synthetic Dyes	Kaur, Arshpreet; Sud, Dhiraj	JOURNAL OF POLYMERS AND THE ENVIRONMENT	2022	0
743	Lutein extract-loaded nanoemulsions: Preparation, characterization, and application in dairy product	Saini, Anuradha; Panesar, Parmjit Singh; Dilbaghi, Neeraj; Prasad, Minakshi; Bera, Manab Bandhu	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	0
744	Utilisation of steel slag as welding flux and its chemical and thermal characterisation	Saini, Sumit; Singh, Kulwant	MATERIALS SCIENCE AND TECHNOLOGY	2022	0
745	Effect of machining parameters on surface roughness and energy consumption during end milling of stir cast Al-4032/6%SiC composite	Saini, Pardeep; Singh, Pradeep K.	SURFACE TOPOGRAPHY- METROLOGY AND PROPERTIES	2022	0
746	A Unified Local-Semilocal Convergence Analysis of Efficient Higher Order Iterative Methods in Banach Spaces	Sharma, Janak Raj; Singh, Harmandeep; Argyros, Ioannis K.	MATHEMATICS	2022	0
747	Performance Analysis of Acrylonitrile-Butadiene-Styrene-Polycarbonate Polymer Blend Filament for Fused Deposition Modeling Printing Using Hybrid Artificial Intelligence Algorithms	Kumar, Praveen; Gupta, Pardeep; Singh, Indraaj	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2022	0
748	Microstructural, Mechanical and Machining Studies of Al-4032 Alloy Based Hybrid Composite	Saini, Pardeep; Singh, Pradeep K.	SILICON	2022	0
749	Characterization and Processing of Aluminium 4032-Based Hybrid Composite Material Through Liquid Route Manufacturing	Saini, Pardeep; Singh, Pradeep K.	JOM	2022	0



750	Difference in the nutritional, in vitro, and functional characteristics of protein and fat isolates of two Indian chia ( <i>Salvia hispanica</i> L) seed genotypes with variation in seed coat color	Malik, Amanda Manoj; Riar, Charanjit S.	JOURNAL OF FOOD SCIENCE	2022	0
751	Structural, functional, textural characterization and in vitro starch digestibility of underutilized Kutki millet ( <i>Panicum sumatrense</i> ) flour	Mahajan, Palak; Bera, Manab Bandhu; Panesar, Parmjit Singh; Dixit, Harish	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2022	0
752	Neural style transfer for image steganography and destylization with supervised image to image translation	Garg, Mallika; Ubhi, Jagpal Singh; Aggarwal, Ashwani Kumar	MULTIMEDIA TOOLS AND APPLICATIONS	2022	0
753	Investigation on behavior of deceleration parameter with LRS Bianchi type-I cosmological models	Mishra, R. K.; Dua, H.	INDIAN JOURNAL OF PHYSICS	2022	0
754	Synthesis, prototropic tautomerism studies of indenocarbothioamides and their conversion to biologically active indenothiazole derivatives	Rana, Jasneet; Chaudhary, R. P.	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	2022	0
755	Memetic binary differential evolution to solve wind-thermal profit based unit commitment problem	Dhaliwal, Jatinder Singh; Dhillon, J. S.	APPLIED SOFT COMPUTING	2022	0
756	A Deep Learning Approach for Automated Detection and Segmentation of Pressure Ulcers Using Infrared-Based Thermal Imaging	Pandey, Bhaskar; Joshi, Deepak; Arora, Ajat Shatru; Upadhyay, Nekram; Chhabra, H. S.	IEEE SENSORS JOURNAL	2022	0
757	Assessment of fatty acids, amino acids, minerals, and thermal properties of bee propolis from Northern India using a multivariate approach	Pant, Kirty; Thakur, Mamta; Chopra, Harish Kumar; Dar, Basharat Nabi; Nanda, Vikas	JOURNAL OF FOOD COMPOSITION AND ANALYSIS	2022	0
758	First-principles calculations on the electronic structure and thermoelectric properties of quaternary Heusler compounds: LiScPtSi and LiScPdGe	Singh, Jaspal; Kaur, Kulwinder; Bhat, Muzzammil Ahmad; Sharopov, Utkir Bahodirovich; Dhiman, Shobhna; Goyal, Megha; Verma, S. S.; Khandy, Shakeel Ahmad	MATERIALS TODAY COMMUNICATIONS	2022	0
759	A two-level adaptive chirp mode decomposition and tangent entropy in estimation of single-valued neutrosophic cross-entropy for detecting impeller defects in centrifugal pump	Vashishtha, Govind; Chauhan, Sumika; Yadav, Nitin; Kumar, Anil; Kumar, Rajesh	APPLIED ACOUSTICS	2022	0
760	Effect of particle size on physical, techno-functional and antioxidant properties of corn silk powder	Singh, Jyoti; Kaur, Sawinder; Rasane, Prasad; Kumar, Vikas; Nanda, Vikas	INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY	2022	0
761	Dielectric properties of eggshell powder at 2.45 and 5.8 GHz relevant to dielectric heating	Pankaj, Prem; Kaur, Prabhdeep; Mann, Kuldeep Singh	JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY	2022	0
762	A review on advances in synthetic methodology and biological profile of spirothiazolidin-4-ones	Yadav, Jyoti; Chaudhary, Ram Pal	JOURNAL OF HETEROCYCLIC CHEMISTRY	2022	0
763	Prediction of dynamical, thermodynamic and mechanical properties of RuMnAs compound under hydrostatic pressure	Kalita, Dipangkar; Gupta, Yuhit; Saxena, Atul	BULLETIN OF MATERIALS SCIENCE	2022	0

764	Dielectric behavior of soil as a function of frequency, temperature, moisture content and soil texture: a deep neural networks based regression model	Palta, Prachi; Kaur, Prabhdeep; Mann, K. S.	JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY	2022	0
765	Metallurgical Behavior and Corrosion Performance of Ti plus Nb Stabilized Austenitic Stainless Steel Welds	Malhotra, Dikshant; Shahi, A. S.	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2022	0
766	T Biopolymer xanthan gum templated facile synthesis of reusable cerium oxide nanoparticles as catalyst for reduction of nitroaromatic compounds	Kaur, Arshpreet; Bajaj, Bharat; Sud, Dhiraj	JOURNAL OF THE IRANIAN CHEMICAL SOCIETY	2022	0
767	Controlling the Properties of Starch from Rice Broken by Crosslinking with Citric Acid and Sodium Trimetaphosphate	Kumar, Yogesh; Singh, Sukhcham; Saxena, D. C.	STARCH-STARKE	2022	0
768	Performance analysis of all optical contention detection circuit for high speed optical access networks	Lovkesh; Singh, Dilbag; Singh, Surinder; Singh, Sukhbir	OPTICAL AND QUANTUM ELECTRONICS	2022	0
769	A comparative study of structural and multiferroic properties of Ca, Sr and Ba doped 0.2BiFeO(3)-0.8PbTiO(3) solid solutions	Pal, Jaswinder; Kumar, Sunil; Aggarwal, Kanika; Kumar, Sanjeev; Chen, Chi-Liang; Huang, Wei-Hsiang; Su, Wei-Nien; Singh, Anupinder	MATERIALS CHARACTERIZATION	2022	0
770	Effect of sesame protein and lotus seed starch based bioactive coatings enriched with Garcinia indica extract on saponin during storage	Sharma, Loveleen; Saini, Charanjiv Singh; Sharma, Vinita; Sukhija, Sakshi	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	0
771	Mathematical Modeling and Characterization of Starch Nanocrystals Synthesized from Pearl Millet Varieties with Different Amylose Content	Bhardwaj, Mamta; Sandhu, Kawaljit Singh; Saxena, D. C.	STARCH-STARKE	2022	0
772	Solution of the generalized regularized long-wave equation with optimal spline collocation technique and implicit Crank-Nicolson as well as explicit SSP-RK43 scheme	Shallu; Kukreja, V. K.	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	2022	0
773	Sensitivity analysis of feature weighting for classification	Singh, Dalwinder; Singh, Birmohan	PATTERN ANALYSIS AND APPLICATIONS	2022	0
774	Effect of process parameters on performance of grooved hot rolling of SAE 4340 steel bars	Singh, Gulvir; Singh, Pradeep K.	MATERIALS AND MANUFACTURING PROCESSES	2022	0
775	Prediction of Lower and Higher Modes of Vibration for Kirchhoff's Plates Using Transcendental and Polynomial Functions via Semi-analytical Method	Verma, Yogesh; Bharti, Divesh	JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES	2022	0
776	Influence of Magnets on Arc Shape and Bead Geometry in Gas Tungsten Arc Welding	Shakya, Paramjeet; Singh, Kulwant; Arya, Harish Kumar	MATERIALS AND MANUFACTURING PROCESSES	2022	0
777	Characterization of kinnow (citrus reticulata) peel and its effect on the quality of muffin	Khaleel, Gangavarapu; Sharanagat, Vijay Singh; Singh, Lochan; Kumar, Yogesh; Kumar, Kshitiz; Kishore, Anand; Saikumar, Akuleti; Mani, Sarvanan	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	0
778	Sensitivity Measurement based on the Refractive Index Detection of Dual-Coated PCF SPR Sensor	Kumar, S.; Kumar, D.	MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA	2022	0

779	Experimental investigation of a novel magnetorheological process based on three revolving curved tip tools for finishing of mild steel	Singh, Gagandeep; Jayant, Arvind	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E- JOURNAL OF PROCESS MECHANICAL ENGINEERING	2022	0
780	An efficient feature selection method based on improved elephant herding optimization to classify high-dimensional biomedical data	Singh, Harpreet; Singh, Birmohan; Kaur, Manpreet	EXPERT SYSTEMS	2022	0
781	Effect of dephenolization and pH on functional properties, amino acid profile, and nutritional characteristics of protein isolate from Meghalayan cherry ( <i>Prunus nepalensis</i> ) kernel	Kashyap, Piyush; Riar, Charanjit Singh; Jindal, Navdeep	BIOMASS CONVERSION AND BIOREFINERY	2022	0
782	Real-time event detection and classification in social text stream using embedding	Singh, Tajinder; Kumari, Madhu; Gupta, Daya Sagar	CLUSTER COMPUTING- THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2022	0
783	Structural, thermal, and rheological properties of starches isolated from four different varieties of Indian barnyard millet ( <i>Echinochloafrumentacea</i> )	Dimri, Smita; Singh, Sukhcham	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	0
784	Evolved Gases and Unified Kinetic Model for Low-temperature Thermal Decomposition of Rice Straw Hydrolysis Residue for Possible Value Addition	Ghatak, Himadri Roy	PERIODICA POLYTECHNICA- CHEMICAL ENGINEERING	2022	0
785	A generalized Wigner-Yanase skew information	Dhanoa, Rupinderjit Kaur; Moslehian, Mohammad Sal; Singh, Mandeep	LINEAR & MULTILINEAR ALGEBRA	2022	0
786	Microstructure and corrosion behavior of duplex stainless steel electron beam welded joint	Singh, Jastej; Shahi, A. S.	JOURNAL OF MATERIALS SCIENCE	2022	0
787	Understanding the role of Ti addition on the corrosion and passive film characteristics of Nb stabilized AISI 347 weld	Malhotra, Dikshant; Shahi, Amandeep S.	MATERIALS AND CORROSION- WERKSTOFFE UND KORROSION	2022	0
788	Enhancing the storage stability of Pickering emulsion using esterified buckwheat starch with improved structure and morphology	Bist, Yograj; Kumar, Yogesh; Saxena, D. C.	LWT-FOOD SCIENCE AND TECHNOLOGY	2022	0
789	Electrochemical Advanced Oxidation of Lamotrigine at Ti/DSA (Ta <sub>2</sub> O <sub>5</sub> -Ir <sub>2</sub> O <sub>5</sub> ) and Stainless Steel Anodes	Meena, Vinod Kumar; Ghatak, Himadri Roy	JOURNAL OF ELECTROCHEMICAL SCIENCE AND TECHNOLOGY	2022	0
790	Waste to wealth: Recycling of steel slag as flux for the submerged arc welding process and its effect on mechanical and metallurgical properties of welds	Saini, Sumit; Singh, Kulwant	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C- JOURNAL OF MECHANICAL ENGINEERING	2022	0
791	Dynamic Deep Genomics Sequence Encoder for Managed File Transfer	Kaur, Amandeep; Chauhan, Ajay Pal Singh; Aggarwal, Ashwani Kumar	IETE JOURNAL OF RESEARCH	2022	0

792	NMVI: A data-splitting based imputation technique for distinct types of missing data	Bhagat, Hutashan Vishal; Singh, Manminder	CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS	2022	0
793	Elucidation of chickpea hydration, effect of soaking temperature, and extent of germination on characteristics of malted flour	Kaur, Ravneet; Prasad, Kamlesh	JOURNAL OF FOOD SCIENCE	2022	0
794	Bioactive compounds of corn silk and their role in management of glycaemic response	Singh, Jyoti; Rasane, Prasad; Nanda, Vikas; Kaur, Sawinder	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE	2022	0
795	Microwave roasting induced structural, morphological, antioxidant, and functional attributes of Quinoa ( <i>Chenopodium quinoa</i> Willd)	Kheto, Ankan; Joseph, Don; Islam, Makdud; Dhua, Subhamoy; Das, Rahul; Kumar, Yogesh; Vashishth, Rahul; Sharanagat, Vijay Singh; Kumar, Kshitiz; Nema, Prabhat K.	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	0
796	Probing the elastic, mechanical and thermodynamic properties of Weyl semimetals $ZrX$ ( $X=S$ and $Te$ )	Gupta, Yuhit; Sinha, M. M.; Verma, S. S.	PRAMANA-JOURNAL OF PHYSICS	2022	0
797	Evidence of finite magneto-electric coupling in $SmFeO_3$ - $PbTiO_3$ solid solutions	Arora, Mehak; Kaur, Shubhpreet; Aggarwal, Kanika; Kumar, Sunil; Malhi, Parambir Singh; Singh, Mandeep; Singh, Anupinder	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2022	0
798	Theoretical study on plasmonic applications of Gallium alloy ( $GaX$ , $X = Ag, Al, Hg$ and $In$ ) nanospheres and nanoshells	Bhardwaj, Akanksha; Verma, S. S.	JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER	2022	0
799	Measurement of micro-harmonic vibration frequency from the modulated self-mixed interferometric signal using dynamic time warping method	Bhardwaj, Vibhor Kumar; Maini, Surita	MECHANICAL SYSTEMS AND SIGNAL PROCESSING	2022	0
800	Effect of spin orbit coupling on antiperovskites: $Sr_3BO$ ( $B = Pb, Sn$ )	Kaur, Tavneet; Sinha, M. M.	PHYSICA SCRIPTA	2022	0
801	Numerical treatment of Benjamin-Bona-Mahony-Burgers equation with fourth-order improvised B-spline collocation method	Kukreja, V. K.	JOURNAL OF OCEAN ENGINEERING AND SCIENCE	2022	0
802	Design of refractive index sensing based on optimum combination of plasmonic materials gold with indium tin oxide/titanium dioxide	Shakya, Amit Kumar; Singh, Surinder	JOURNAL OF NANOPHOTONICS	2022	0
803	Combined effect of microwave and hydrothermal treatment on anti-nutritional factors, antioxidant potential and bioactive compounds of plum ( <i>Prunus domestica</i> L.) kernels	Sheikh, Mohd Aaqib; Saini, Charanjiv Singh	FOOD BIOSCIENCE	2022	0
804	Phytochemical Analysis and Characterization of Corn Silk ( <i>Zea mays</i> , G5417)	Singh, Jyoti; Inbaraj, Baskaran Stephen; Kaur, Sawinder; Rasane, Prasad; Nanda, Vikas	AGRONOMY-BASEL	2022	0
805	Functional, thermal and structural properties of fractionated protein from waste banana peel	Deb, Saptashish; Kumar, Yogesh; Saxena, D. C.	FOOD CHEMISTRY-X	2022	0
806	Retention of bioactive compounds during extrusion processing and storage	Kour, Jasmeet; Singh, Sukhcharn; Saxena, Dharmesh Chandra	FOOD CHEMISTRY-X	2022	0
807	Cross-domain opinion classification via aspect analysis and attention sharing mechanism	Singh, Rahul Kumar; Sachan, Manoj Kumar; Patel, Ram Bahadur	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2022	0

808	Investigation and multi-objective optimization of monocrystalline silicon wafering using wire electro-discharge machining	Verma, Anmol S.; Singh, Shankar	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C- JOURNAL OF MECHANICAL ENGINEERING	2022	0
809	Satellite imagery analysis for road segmentation using U-Net architecture	Chaudhary, Vidhi; Buttar, Preetpal Kaur; Sachan, Manoj Kumar	JOURNAL OF SUPERCOMPUTING	2022	0
810	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, Madhvi; Sud, Dhiraj	NEW JOURNAL OF CHEMISTRY	2022	0
811	Classification of clustered microcalcifications using different variants of backpropagation training algorithms	Khehra, Baljit Singh; Pharwaha, Amar Partap Singh; Jindal, Balkrishan; Mavi, Bhupinder Singh	MULTIMEDIA TOOLS AND APPLICATIONS	2022	0
812	Energy efficient load balancing hybrid priority assigned laxity algorithm in fog computing	Singh, Simar Preet; Kumar, Rajesh; Sharma, Anju; Abawajy, Jemal H.; Kaur, Ravneet	CLUSTER COMPUTING- THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2022	0
813	Food physics insight: the structural design of foods	Mahajan, Palak; Bera, Manab Bandhu; Prasad, Kamlesh	JOURNAL OF FOOD SCIENCE AND TECHNOLOGY- MYSORE	2022	0
814	Optimal production of vanillin and 4-hydroxybenzaldehyde from rice straw hydrolysis residue (RSHR) over TiO <sub>2</sub> /UV and ZnO/UV system	Ahmad, Kaleem; Ghatak, Himadri Roy; Ahuja, S. M.	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	2022	0
815	A Class of Higher-Order Newton-Like Methods for Systems of Nonlinear Equations	Sharma, Janak Raj; Kumar, Sunil; Argyros, Ioannis K.	INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS	2022	0
816	Investigating the flow properties of bee pollen enriched milk powder during storage	Thakur, Mamta; Nanda, Vikas	JOURNAL OF STORED PRODUCTS RESEARCH	2022	0
817	Studies on microstructural characteristics and mechanical properties of hybrid Al-4032 AMC reinforced with SiC and granite marble powder	Saini, Pardeep; Singh, Pradeep K.	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C- JOURNAL OF MECHANICAL ENGINEERING	2022	0
818	Development and characterization of elephant foot yam starch based pH-sensitive intelligent biodegradable packaging	Singh, Rashmi; Kaur, Jasjot; Bansal, Radhika; Sharanagat, Vijay Singh; Singh, Lochan; Kumar, Yogesh; Patel, Ajay	JOURNAL OF FOOD PROCESS ENGINEERING	2022	0
819	Effect of germination on fatty acid profile, amino acid profile and minerals of amaranth (Amaranthus spp.) grain	Chauhan, Arti; Kumari, Nisha; Saxena, D. C.; Singh, Sukhcharn	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2022	0
820	Response surface approach to optimize temperature, pH and time on antioxidant properties of wild bush (Plectranthus rugosus) honey from high altitude region (Kashmir Valley) of India	Nayik, Gulzar Ahmad; Nanda, Vikas; Zohra, Beenish; Dar, B. N.; Ansari, Mohammad Javed; Al Obaid, Sami; Bobis, Otilia	SAUDI JOURNAL OF BIOLOGICAL SCIENCES	2022	0

821	A class of accurate Newton-Jarratt-like methods with applications to nonlinear models	Sharma, Janak Raj; Kumar, Sunil	COMPUTATIONAL & APPLIED MATHEMATICS	2022	0
822	A Novel Approach of Ensemble Methods Using the Stacked Generalization for High-dimensional Datasets	Sharma, Suvita Rani; Singh, Birmohan; Kaur, Manpreet	IETE JOURNAL OF RESEARCH	2022	0
823	Comparative Capabilities of Conventional and Ultrasonic-Assisted-Electrical Discharge Machining of Nimonic Alloy 75	Singh, Maninder; Singh, Shankar	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2022	0
824	Isolation, characterization, bio-accessibility and cytotoxic effect of ellagitannins purified from peels of Punica granatum Indian var. Bhagwa	Foujdar, Rimpi; Chopra, Harish Kumar; Bera, Manab Bandhu; Batra, Kanisht	JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION	2022	0
825	Polyphenol bio-accessibility and antioxidant activity of in vitro digested ultrasound-assisted Meghalayan cherry (Prunus nepalensis) pomace extract	Kashyap, Piyush; Riar, Charanjit Singh; Jindal, Navdeep	BIOMASS CONVERSION AND BIOREFINERY	2022	0
826	Green extraction of pectin from Citrus limetta peels using organic acid and its characterization	Panwar, Divyani; Panesar, Parmjit S.; Chopra, Harish K.	BIOMASS CONVERSION AND BIOREFINERY	2022	0
827	Microencapsulation of fenugreek seed oil and oil load effect on maltodextrin and fenugreek seed mucilage as wall materials by spray drying	Munshi, Mohona; Kumar, Pradyuman	JOURNAL OF FOOD PROCESSING AND PRESERVATION	2022	0
828	Ab-initio study of mechanical and thermoelectric properties of topological semimetal: LaAuPb	Goyal, Megha; Sinha, M. M.	PHYSICA SCRIPTA	2022	0
829	A Comprehensive Overview on Modified Versions of Stockwell Transform For Power Quality Monitoring	Kumar, Rajat; Saxena, Abhinav; Kumar, Raj; Marwaha, Sanjay; Singh, Jay; Singh, Gyanendra Kumar	IEEE ACCESS	2022	0
830	Time Scale Analysis for Prediction of Nusselt Number of Nanofluids Flowing Through Straight Tubes: An Experimental Study	Singh, Parminder; Sharma, Puja; Gupta, Ritu; Wanchoo, Ravinder Kumar	IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION	2022	0

831	Azimuthal correlations in photoproduction and deep inelastic ep scattering at HERA	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, Yu 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.; Loehr, B.; Lohrmann, E.; Longhin, A.; Lorkowski, F.; Lukina, O. Yu; Makarenko, I.; Malka, J.; Masciocchi, S.; Nagano, K.; Nam, J. D.; Onderwaater, J.; Onishchuk, Yu; Paul, E.; Pidhurskyi, I.; Polini, A.; Przybycien, M.; Quintero, A.; Ruspa, M.; Schneekloth, U.; Schoerner-Sadenius, T.; Selyuzhenkov, I; Shchedrolosiev, M.; Shcheglova, L. M.; Skillicorn, I. O.; Slominski, W.; Solano, A.; Stanco, L.; Stefaniuk, N.; Surov, B.; Tokushuku, K.; Turkot, O.; Tymieniecka, T.; Verbytskyi, A.; Abdullah, W. A. T. Wan; Wichmann,	JOURNAL OF HIGH ENERGY PHYSICS	2021	0
832	Improving the classification of phishing websites using a hybrid algorithm	Sharma, Suvita Rani; Singh, Birmohan; Kaur, Manpreet	COMPUTATIONAL INTELLIGENCE	2022	0
833	A jamming attack detection technique for opportunistic networks	Singh, Jagdeep; Woungang, Isaac; Dhurandher, Sanjay Kumar; Khalid, Khuram	INTERNET OF THINGS	2022	0
834	Sensory, functional characteristics and in vitro digestibility of snacks supplemented with non-traditional ingredient raw and processed fenugreek	Wani, Sajad Ahmad; Alwahibi, Mona S.; Elshikh, Mohamed S.; Abdel Gawwad, Mohamed R.; Ali, Mohammad Ajmal; Alhaji, Jwahr Haji; Naik, Haroon Rashid; Kumar, Pradyuman	INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY	2022	0
835	The position and role on patent citation network of the parking lot guidance system	Lai, Kuei-Kuei; Chang, Yu-Hsin; Kumar, Vimal; Wei, Tsai-Yung; Su, Fang-Pei; Mittal, Ankesh	TECHNOLOGY ANALYSIS & STRATEGIC MANAGEMENT	2021	0
836	An enhanced approach for solving multi-objective cogeneration based unit commitment problem	Anand, Himanshu; Narang, Nitin; Dhillon, J. S.	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	2022	0
837	Numerical Approximation of Generalized Burger's-Fisher and Generalized Burger's-Huxley Equation by Compact Finite Difference Method	Kaur, Ravneet; Shallu; Kumar, Sachin; Kukreja, V. K.	ADVANCES IN MATHEMATICAL PHYSICS	2021	0
838	Performance Analysis and Measurement of Soil Moisture Content by Piezoresistive Sensor	Gaddikeri, V; Hasan, M.; Kumar, D.; Sarangi, A.; Alam, W.	MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA	2022	0

839	Modified Koch curve broadband fractal antenna for spectrum sensing in cognitive radio	Aggarwal, Monika; Pharwaha, Amar Partap Singh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2021	0
840	Optimal Synthesis of Aromatic Carbonyl Compounds by Electrooxidation of Soda Lignins on Stainless steel and TiMMO Anodes	Singh, Sandeep; Ghatak, Himadri Roy	IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION	2021	0
841	Study on piezoelectric ceramic under different pressurization conditions and circuitry	Yadav, Nitin; Kumar, Rajesh	JOURNAL OF ELECTROCERAMICS	2021	0
842	An improvised extrapolated collocation algorithm for solving Kuramoto-Sivashinsky equation	Shallu; Kukreja, Vijay Kumar	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2022	0
843	Effect of ultrasound-assisted hydrodistillation on extraction kinetics, chemical composition, and antimicrobial activity of Citrus jambhiri peel essential oil	Priyadarshi, Swati; Kashyap, Piyush; Gadhawe, Ram Kaduji; Jindal, Navdeep	JOURNAL OF FOOD PROCESS ENGINEERING	2021	0
844	Optimal virtual machine scheduling in virtualized cloud environment using VIKOR method	Garg, Neha; Singh, Damanpreet; Goraya, Major Singh	JOURNAL OF SUPERCOMPUTING	2022	0
845	Convergence Analysis and Dynamical Nature of an Efficient Iterative Method in Banach Spaces	Kumar, Deepak; Kumar, Sunil; Sharma, Janak Raj; Jantschi, Lorentz	MATHEMATICS	2021	0
846	A Public Key Authentication and Privacy Preserving Model for Securing Healthcare System	Singh, Sarbjeet; Kumar, Dilip	IETE JOURNAL OF RESEARCH	2021	0
847	Design, synthesis, spectroscopic, photophysical and computational studies of a C-3-symmetric hydroxyquinoline based tripod: TREN2OX and its interaction with Fe(III) and Al(III)	Thakur, Monika; Baral, Minati; Kanungo, B. K.	JOURNAL OF MOLECULAR STRUCTURE	2021	0
848	Effect of packaging materials on the shelf-life of vermicelli supplemented with enzyme processed kinnow pulp residue	Singla, Gisha; Panesar, Parmjit S.; Sangwan, Rajender S.; Krishania, Meena	JOURNAL OF FOOD PROCESS ENGINEERING	2022	0
849	Optimal Power Flow Based DR in Active Distribution Network With Reactive Power Control	Verma, Rishabh; Padhy, Narayana Prasad	IEEE SYSTEMS JOURNAL	2022	0
850	Septic Hermite collocation method for the numerical solution of Benjamin-Bona-Mahony-Burgers equation	Kumari, A.; Kukreja, V. K.	JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS	2021	0
851	Process Parameter Optimization and Characterization for an Edible Film: Flaxseed Concern	Bangar, Sneha Punia; Singh, Ajay; Trif, Monica; Kumar, Manoj; Kumar, Pradyuman; Kaur, Ramandeep; Kaur, Navjeet	COATINGS	2021	0
852	Total ionizing dose hardness analysis of transistors in commercial 180 nm CMOS technology	Kumar, Mukesh; Ubhi, Jagpal Singh; Basra, Sanjeev; Chawla, Anuj; Jatana, H. S.	MICROELECTRONICS JOURNAL	2021	0
853	Multiband antenna design based on Gosper fractal for implantable biomedical devices	Kumar, Rajeev; Singh, Surinder; Singh Chauhan, Ajay Pal	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2022	0



854	Impact analysis of different trade-off parameters on coherent sensing applications of single-mode self-mixing optical feedback interferometry	Bhardwaj, Vibhor Kumar; Maini, Surita	OPTICAL AND QUANTUM ELECTRONICS	2021	0
855	Thermography as an Economical Alternative Modality to Mammography for Early Detection of Breast Cancer	Khan, Asim Ali; Arora, Ajat Shatru	JOURNAL OF HEALTHCARE ENGINEERING	2021	0
856	Split Ring Inspired Tri/Dual Band PIFA Antenna for Implantable Biomedical Devices	Kumar, Rajeev; Singh, Surinder; Chauhan, Ajay Pal Singh	WIRELESS PERSONAL COMMUNICATIONS	2021	0
857	An ultra-wideband surface wave antenna with reduced ground plane effects	Kumar, Kundan; Dwari, Santanu; Mandal, Mrinal Kanti	INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING	2021	0
858	Design analysis of multi-wavelength conversion based on XAM effect of EAM for high speed optical transmission	Kaur, Taranjeet; Singh, Surinder; Lovkesh; Anashkina, Elena A.; Andrianov, Alexey, V	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2021	0
859	Experimental and DFT studies of metal pincer complexes: An insight on structures and bonding	Shendge, Pratidnya; Sharma, Shailza; Baral, Minati; Kanungo, B. K.	JOURNAL OF MOLECULAR STRUCTURE	2021	0
860	A class of computationally efficient Newton-like methods with frozen inverse operator for nonlinear systems	Sharma, Janak Raj; Kumar, Sunil	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2021	0
861	Implantable Antenna Design Based on Gosper Curve Fractal Geometry	Kumar, Rajeev; Singh, Surinder; Chauhan, Ajay Pal Singh	IETE JOURNAL OF RESEARCH	2021	0
862	Effect of joint design on residual stresses in AISI-304 stainless steel weldment-a numerical study	Jasra, Yogeshwar; Singhal, Sorabh; Saxena, Ravindra Kumar	JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY	2021	0
863	Adsorption Behaviour of Quinalphos and Its Leaching Potential in Different Agricultural Soils	Kaur, Paramjeet; Bansal, Priti; Sud, Dhiraj	SOIL & SEDIMENT CONTAMINATION	2021	0
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865	First-principle study of structural, electronic, thermoelectric and vibrational properties of Co-2-based Weyl semimetal VCo <sub>2</sub> Al	Kaur, Tavneet; Sinha, Murari Mohan	BULLETIN OF MATERIALS SCIENCE	2021	0
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