

Recent Research Publication in Journals

S.No.	Title of Paper	Name of Authors	Department	Name of Journal	Year of Publication	ISSN Number
1	Alkesh Agrawal and Mukul Misra, "Angle of Incidence and Polarization Insensitive Ultra-Thin Ultra Wide-Band Metamaterial Absorber based on Novel Non-Linearity in Unit Cell Design," Journal of Microwaves, Optoelectronics and Electromagnetic	Alkesh Agrawal and Mukul Misra	Electronics and Communication Engineering	Journal of Microwaves, Optoelectronics and Electromagnetic Applications	2021	2179-1074
2	Kunal Krishna Upadhyay, Alkesh Agrawal, and Mukul Misra, "Wide-Band LogPeriodic Microstrip Antenna with Defected Ground Structure for C-Band Applications," Progress In Electromagnetics Research C, Vol. 112, 127-137, 2021.	Kunal Krishna Upadhyay, Alkesh Agrawal, and Mukul Misra	Electronics and Communication Engineering	Progress In Electromagnetics Research C	2021	1937-8718
3	Effect of 21 June 2020 solar eclipse on the ionosphere using VLF and GPS observations and modeling	GaurishTripathi, S.B.Singh, SanjayKumar Ashutosh K.Singh, Rajesh Singh, A.K.Singh	Faculty of Physical Sciences	Advances in Space Research	2022	0273-1177
4	Ionospheric perturbations observed due to Indonesian Earthquake (Mw = 7.4) using GPS and VLF measurements at multi-stations	Sanjay Kumar, Gaurish Tripathi, Pradeep Kumar, Ashutosh K. Singh & Abhay K. Singh	Faculty of Physical Sciences	Acta Geodaetica et Geophysica	2021	2213-5820
5	Biological Degradation of keratin by microbial keratinase for effective waste management and potent industrial applications	Latafat Chaudhry, Mohammad Haris Siddiqui, Archana Vimal, Prachi Bhargava	IAST	Current Protein and Peptide Science (Bentham Science)	2021	13892037
6	Serological and molecular study of leptospira in pediatric patients at a tertiary care centre of northern India	Asmat Jahan, Prachi Bhargava, Raj kumar kalyan, Sanjeev Kumar Verma, Kamlesh kumar Gupta, Sophia inbaraj, Aman Agarwal	IAST	IJMM	2021	0255-0857
7	Review on medicinal benefits of London rocket or Sisymbrium irio in different contextual aspects	Madhurima Tiwari and Prachi Bhargava	IAST	Journal of University of Shanghai for Science and Technology	2021	10076735
8	Current updates on Sisymbrium irio Linn: A traditional medicinal plant	Madhurima Tiwari and Prachi Bhargava	IAST	Plant archives	2021	9725210
9	Effect of COVID-19 lockdown on the water quality index of River Gomti, India, with potential hazard of faecal-oral transmission	Khan, R., Saxena, A., Shukla, S., Selvam, S., Goel, P.	FoCE	Environmental Science and Pollution Research	2021	1614-7499
10	Assessment of the impact of COVID-19 Lockdown on the heavy metal pollution in River Gomti, Lucknow city	Khan, R., Saxena, A., Shukla, S., Selvam, S., Goel, P.	FoCE	Environmental Quality Management	2021	1520-6483

11	Environmental Contamination by Heavy Metals and Associated Human Health Risk Assessment: A Case Study of Surface Water in Gomti River Basin, India	Khan, R., Saxena, A., Shukla, S., Selvam, S., Senapathi V., Wu, J	FoCE	Environmental Science and Pollution Research	2021	1614-7499
12	Synthesis, Characterization and Application of Magnetic Nanoparticles in Wastewater Treatment: A Review	Shukla, S., Khan, R., Daverey, A	FoCE	Environmental Technology and Innovation	2021	2352-1864
13	Groundwater quality index assessment at Raebareli district: A part of Indo-Gangetic Alluvium, India	Singh, P., Saxena, A., Khan, R., Shukla, S	FoCE	Environmental Quality Management	2021	1520-6483
14	Appraisal of COVID-19 lockdown and unlocking effects on the air quality of North India	Shukla, S., Khan, R., Saxena, A., Sekar, S., Ali, E., Shaheen, S. M.	FoCE	Environmental Research	2021	0013-9351
15	Critical Assessment of Public Mass Gatherings as 'Super Spreader Events' in the current scenario of COVID-19 with emphasis on Kumbh Mela	Shukla, S., Khan, R., Yusuf, A., Memish, Z.	FoCE	Journal of Travel Medicine	2021	1708-8305
16	Spatial Analysis of Groundwater Quality and Human Health Risk Assessment in parts of Raebareli District, India.	Shukla, S. , Saxena, A. , Khan, R., Li, P.	FoCE	Environmental Earth Sciences	2021	1866-6299
17	Appraisal of water quality and ecological sensitivity with reference to riverfront development along the River Gomti, India	Khan, R., Shukla, S., Saxena, A., Goel, P., Li, P., Ali, E., Shaheen, S. M., Bhattacharya, P.	FoCE	Applied Water Science	2022	2190-5495
18	Concentration, source apportionment and potential carcinogenic risks of polycyclic aromatic hydrocarbons (PAHs) in roadside soils	Shukla, S. , Khan, R., Bhattacharya, P., Devanesan, S., AlSalhi, M. S.	FoCE	Chemosphere	2022	0045-6535
19	Obtaining an Almost Quintic Spline Function in Complex Plane	Faiz Atahar, Kulbhushan Singh	FoMSS	Design Engineering	2021	0011-9342
20	Impact of Human Activities on Forest Resources and Wildlife Population	Rachana Pathak, Vinay Verma, Manju Agarwal	FoMSS	Computational Ecology and Software	2021	2220-721X
21	Stability analysis of a mathematical model for coronavirus spread	Vinay Verma	FoMSS	Nonlinear Studies	2021	1359-8678
22	An SIQV Mathematical Model on Covid-19 with Virus Population in the Environment	Archana S. Bhadauria, Vijai S. Verma, Vinay Verma, V. Rana	FoMSS	Mathematics in Engineering, Science and Aerospace	2022	2041-3165

23	Incorporation of magnesium oxide nanoparticles into a nematic liquid crystalline matrix	Mukesh Mishra, Rahul Uttam, Ravindra Dhar, R S Dabrowski	FOPS	Molecular crystal and liquid crystals	2021	1563-5287
24	Energy Efficient Metric Based Approach For Green Cloud Oriented Enhancement Of Data Center Communication Services	Sumitra Vatsal , Dr.Shalini Agarwal	DCSE	Journal Of Huazhong University of Science and Technology	2021	1671-4512
25	Safeguarding Cloud Services Sustainability By Proactive Computing Paradigam - Brownout	Sumitra Vatsal , Dr.Shalini Agarwal	DCSE	PENSEE International Journal	2021	0031-4773
26	Plummeting Makespan By Proficient Workflow Scheduling in Cloud Environment	Juhi Singh,Dr.Shalini Agarwal	DCSE	Advancs in science Technology and Engineering systems journal	2021	2415-6698
27	Effect of Pandemic on Teaching- Learning Process”	Dr. Rashmi Chaturvedi	IER	Journal of Research in Education	2021	(ISSN (P) 2347-5676 ISSN (O) 2582-2357),
28	Performance Assessment of Solar based Air Conditioning System	Shubham Mishra, Shikha Singh	FoEE	Journal of Scientific Research	2022	ISSN 2070-0245
29	PERFORMANCE COMPARISON OF CSC CONVERTER BASED ACS	Shubham Mishra, Shikha Singh	FoEE	Journal of Electrical Engineering	2021	ISSN 1582-4594
30	Model Predictive Control of Renewable Energy Sources in DC Microgrid for Power Flow Control	Apoorva srivastava, R S Bajpai	FoEE	International Journal on Energy Conversion (I.R.E.CON.)	2021	2881-5295
31	Screening and Molecular Characterization of Ligninolytic Enzyme-Producing Strain Alternaria alternata from soil	Deepti Singh and Neeraj Gupta	Faculty of Biosciences, Institute of Bioscience and Technology, Shri Ramswaroop Memorial University,Barabanki	Biological Forum- An international Journal	2021	2249-3239
32	Response of summer green manuring and nutrient management on log phase of growth in unpuddled transplanted hybrid rice	Vikash Kumar, M.K. Singh and Nikhil Raghuvansi	IAST	Biological Forum- An international Journal	2021	ISSN: 2249-3239
33	Application of a Quintic Spline Function of Continuity Class C2 for Solving Cauchy Initial Value Problem	Kulbhushan Singh, Akhilesh Kumkar Mishra, Alok Kumar Agrawal	FoMSS	Vidhyabharati International Interdisciplinary Research Journal (VIIRJ),	2021	2319-4979
34	Therapeutic Potential of Vital Transcription Factors in Alzheimer’s and Parkinson’s Disease With Particular Emphasis on Transcription Factor EB Mediated Autophagy	Sachchida Nand Rai , Neeraj Tiwari , Payal Singh , Divya Mishra, Anurag Kumar Singh, Etrat Hooshmandi, Emanuel Vamanu,	Faculty of Biosciences, Institute of Bioscience and Technology, Shri Ramswaroop Memorial University,Barabanki	Frontiers in Neuroscience	2021	1662-4548

35	Impact assessment of covid-19 pandemic through machine learning models	Kumar, R.	Department of Computer Science and Information systems	<i>Computers, Materials and Continua</i>	2021	1546-2218
36	Usability Evaluation Through Fuzzy AHP-TOPSIS Approach: Security Requirement Perspective	Kumar, R.	Department of Computer Science and Information systems	Computers, Materials & Continua	2021	1546-2218
37	Integrity Assessment of Medical Devices for Improving Hospital Services	Kumar, R.	Department of Computer Science and Information systems	Computers, Materials & Continua	2021	1546-2218
38	Evaluating the Impact of Prediction Techniques: Software Reliability Perspective	Kumar, R.	Department of Computer Science and Information systems	Computers, Materials & Continua	2021	1546-2218
39	Evaluating the impact of software Security Tactics: A Design Perspective	Kumar, R.	Department of Computer Science and Information systems	Computers, Materials & Continua	2021	1546-2218
40	A Systematic Analysis on Blockchain Integration With Healthcare Domain: Scope and Challenges	Kumar, R.	Department of Computer Science and Information systems	IEEE Access	2021	2169-3536
41	Exploring the Topological Properties of the Tor Dark Web	Kumar, R.	Department of Computer Science and Information systems	IEEE Access	2021	2169-3536
42	A hybrid fuzzy rule-based multi-criteria framework for sustainable-security assessment of web application	Kumar, R.	Department of Computer Science and Information systems	Ain Shams Engineering Journal	2021	2090-4479
43	P-STORE: Extension of STORE Methodology to Elicit Privacy Requirements	Kumar, R.	Department of Computer Science and Information systems	Arabian Journal for Science and Engineering	2021	2193-567X
44	Analyzing the Implications of Healthcare Data Breaches through Computational Technique	Gupta, B.	Department of Computer Science and Information systems	Intelligent Automation and Soft Computing	2021	1079-8587
45	Analyzing the Data of Software Security Life-Span: Quantum Computing Era	Gupta, B.	Department of Computer Science and Information systems	Intelligent Automation and Soft Computing	2021	1079-8587

46	Analyzing the Big Data Security through a Unified Decision-Making Approach	Gupta, B.	Department of Computer Science and Information systems	Intelligent Automation and Soft Computing	2021	1079-8587
47	Machine Learning Based Framework for Maintaining Privacy of Healthcare Data	Kumar, R.	Department of Computer Science and Information systems	Intelligent Automation and Soft Computing	2021	1079-8587
48	Computational technique for effectiveness of treatments used in curing SARS-CoV-2	Kumar, R.	Department of Computer Science and Information systems	Intelligent Automation and Soft Computing	2021	1079-8587
49	Managing Software Security Risks through an Integrated Computational Method	Kumar, R.	Department of Computer Science and Information systems	Intelligent Automation and Soft Computing	2021	1079-8587
50	Device Security Assessment of Internet of Healthcare Things	Kumar, R.	Department of Computer Science and Information systems	Intelligent Automation and Soft Computing	2021	1079-8587
51	A Multi-Perspective Benchmarking Framework for Estimating Usable-Security of Hospital Management System Software Based on Fuzzy Logic, ANP and TOPSIS Methods	Kumar, R.	Department of Computer Science and Information systems	KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS	2021	1976-7277
52	Impact of Tools and Techniques for Securing Consultancy Services	Kumar, R.	Department of Computer Science and Information systems	Computer Systems Science and Engineering	2021	0267-6192
53	Ensuring data integrity of healthcare information in the era of digital health	Kumar, R.	Department of Computer Science and Information systems	HEALTHCARE TECHNOLOGY LETTERS	2021	2053-3713
54	Argumentation Mining: Techniques and Emerging Trends	Sharma, R., Sinha S. , Gupta, B.	Department of Computer Science and Information systems	Journal of University of Shanghai for Science and Technology	2021	1007-6735
55	e-Journalism and Reporting Challenges in COVID-19	Gupta, B.	Department of Computer Science and Information systems	Journal of Huazhong University of Science and Technology	2021	1671-4512
56	An Augmentation of Credit Card Fraud Detection using Random Undersampling	Khattri V., Nayak S.K.	Department of Computer Science and Information systems	Turkish Online Journal of Qualitative Inquiry	2021	1309-6591

57	Identification and Mitigation of Fraudulent Transaction using Deep Autoencoder	Khattri V., Nayak S.K.	Department of Computer Science and Information systems	Journal of University of Shanghai for Science and Technology	2021	1007-6735
58	Cyber Frauds involved in Application of Credit Cards	Sharma, R., Tiwari N. , Gupta, B.	Department of Computer Science and Information systems	Dogo Rangsang Research Journal	2021	2347-7180
59	Recent Advances and Challenges in Argumentation in Textual Exploration	Sharma, R., Sinha, S., Raj, A., Gupta, B.	Department of Computer Science and Information systems	Dogo Rangsang Research Journal	2021	2347-7180
60	Importance of Digital Technologies in E-Journalism	Gupta, B.	Department of Computer Science and Information systems	Dogo Rangsang Research Journal	2021	2347-7180
61	Comparison amongst different Neuroimaging Techniques - EEG/MEG	Sharma, R., Raj, A., Gupta, B.	Department of Computer Science and Information systems	Mukt Shabd Journal	2021	2347-3150
62	Operational Matrix Technique for Initial Value Problems of Nonlinear Fractional Order Differential Equation	Neeraj Kumar Tripathi and Dilip Kumar Jaiswal	FoMSS	GANITA-Journal, Vol.71(1)	2021	301-315
63	Interaction of singular surface and characteristic shock in dusty gas with magnetic effects	Nishi Deepa palo, J.Jena and Dilip Kumar Jaiswal	FoMSS	GANITA-Journal, Vol.71(2)	2021	189-202
64	Designing, Synthesis and characterization of Novel Substituted Pyrazol-Azetidine-2-One/Thiazolidin-4-one derivatives for their antimicrobial activity	Krishna Srivastava, Rraj Bahadur Singh, Jyoti Srivastava, Dinesh Gupta	Faculty of Chemical Sciences	Der PharmaChemica	2021	0975-413X
65	Synthesis and evaluation of technetium-99m labelled 1-(2-methoxyphenyl)piperazine derivative for single photon emission computed tomography imaging for targeting 5-HT1A	Neelam Kumari, Ankur Kaul, Raunak Varsney, Vinay Kumar Singh, Krishna Srivastava, Sunita Bhagat, Anil Kumar Mishra, Anjani	Faculty of Chemical Sciences	Bioorganic Chemistry	2021	0045-2068
66	Computational, spectral & single crystal studies of 4-chloro-N, N diphenylbenzamide	Shraddha Shukla, Abha Bishnoi, Poornima Devi, Shahen Fatma, Ramesh Singh	Faculty of Chemical Sciences	Indian Journal of Pure & Applied Physics	2021	0975-1041
67	Synthesis of Novel Oxazin Analogs of Thio-4-azaspiro[4,5]decan-3-one for their antimicrobial activity	Raj Bahadur Singh, Krishna Srivastava, Ram Prakash Tiwari, Jyoti Srivastava	Faculty of Chemical Sciences	Asian Journal of Organic & Medicinal Chemistry	2021	2456-8937
68	An Inhibitory Kinetic method for the methionine determination	A. Srivastava, K. Srivastava	Faculty of Chemical Sciences	Physical Chemistry Research	2021	2345-2625
69	A simple and sensitive inhibitory kinetic method for the carbocysteine determination	Abhishek Ssrivastava, Vivek Sharma, Vinay Kumar Singh, Krishna Srivastava	Faculty of Chemical Sciences	Journal of Mexical Chemical Ssociety	2021	2594-0317

70	Study for the preparation of medicinal herbal extracts from <i>Thymus vulgaris</i> , <i>Romarinus officinalis</i> L., and <i>Origanum vulgare</i> L. for its health-care applications	N. Budhiraja, N. Singh, S. Chaubey, S. Ojha, R. Kumar, G. Gaur, S. Peta, S. Vats	Faculty of Chemical Sciences	International Journal of Green Pharmacy	2021	1998-4103
71	First synthesis of furostans bearing a 1, 3-dioxane ring at C-26. XRD, Hirshfeld surfaces analysis, DFT studies	Arun Sethi, Praveer Singh, Priyanka Yadav, Rohit Prakash, Ranvijay Pratap Singh	Faculty of Chemical Sciences	Journal of Molecular Structure	2021	0022-2860
72	[^{99m} Tc-BBPA]: A possible SPECT agent to understand the role of 18-kDa translocator protein (PBR/TSPO) during neuro-glial interaction	Neelam Kumari, Ankur Kaul, Deepika, Krishna Srivastava, Gauri Mishra, Sunita Bhagat, Vinay Kumar Singh, Anjani Kumar Tiwari	Faculty of Chemical Sciences	Bioorganic Chemistry	2022	0045-2068
73	A note on concircular curvature tensor in Lorentzian almost para –contact geometry	Satyendra Pratap Singh , Punit Kumar Singh , Virendra Nath Pathak	Faculty of Mathematical and Statistical Sciences	Journal of Mathematical and Computational Science	2021	1927-5307
74	Investigation of cardio protective potential of natural bioactive compounds	Sonal Prasad, Tabish Qidwai	FoBS, IBST	Letters in Drug Design & Discovery	2022	BMS-LDDD-2021-HT4-3294-9
75	Investigation of cardio protective potential of natural bioactive compounds	Tabish Qidwai, Sonal Prasad,	FoBT, IBST	Letters in Drug Design & Discovery	2022	BMS-LDDD-2021-HT4-3294-9
76	A one step synthesis of substituted benzo- and pyridine-fused 1H-imidazoles	Sonu Kumar, Manash P. Sarmah, Yella Reddy, Ashish Bhatt & Ravi Kant	Faculty of Chemical Sciences	Ssynthetic Communications	2021	0039-7911
77	Vats, S. (2021). Bio-Informatics Analysis of Meta-Transcriptomics Sequencing.	Siddharth Vats	FoBT, IBST	Trends in Telemedicine & E-health	2021	2689-2707
78	Vats, Siddharth. "Study for the preparation of medicinal herbal extracts from <i>Thymus vulgaris</i> , <i>Rosmarinus officinalis</i> L., and <i>Origanum vulgare</i> L. for its health-care applications." <i>International Journal of Green Pharmacy</i> 15, no. 3 (2021).	Siddharth Vats, Namrata Buddhiraja, Gurminder Kaur, Rajesh Dahiya, S. Peta	FoBT, IBST	International Journal of Green Pharmacy	2021	0973-8258
79	Synthesis and characterization of site selective photo-crosslinkable glycidyl methacrylate functionalized gelatin-based 3D hydrogel scaffold for liver tissue engineering	MM Sk, P Das, A Panwar, LP Tan	FoBT, IBST	Elsevier	2021	0928-4931
80	3D Hepatic Organoid-Based Advancements in LIVER Tissue Engineering	Amit Panwar, Prativa Das, Lay Poh Tan	FoBT, IBST	Bioengineering, Multidisciplinary Digital Publishing Institute	2021	2306-5354

81	Production of bioethanol from wheat straw via optimization of co-culture conditions of <i>Bacillus licheniformis</i> and <i>Saccharomyces cerevisiae</i>	Shweta Sharma, Paras Kumar Jha, Amit Panwar	FoBT, IBST	Springer International Publishing	2021	2730-7719
82	Silver doped zinc oxide nanostructures with antibacterial properties against GFP-expressing antibiotic resistant <i>Escherichia coli</i>	Amit Panwar, KL Yadav	FoBT, IBST	Materials Letters, North-Holland	2022	0167-577X
83	Synthesis and fabrication of gelatin-based elastomeric hydrogels through cosolvent-induced polymer restructuring	Amit Panwar, Md Moniruzzaman Sk, Bae Hoon Lee, Lay Poh Tan	FoBT, IBST	Royal Society of Chemistry	2022	2046-2069
84	Endophytic Bacteria <i>Pseudomonas aeruginosa</i> PM389 Subsists Host's (<i>Triticum aestivum</i>) Immune Response for Gaining Entry Inside the Host	Dr. Garima Gupta	FOBS, IBST	Journal of pure and applied Microbiology	2021	2581-690X
85	Comparative analysis of defence responses <i>Triticum aestivum</i> L in response to the endophytic <i>Pseudomonas aeruginosa</i> PM389 and the non-host microbial pathogens <i>Erwinia carotovora</i> and <i>Fusarium monaliforme</i>	Dr. Garima Gupta	FOBS, IBST	Research Journal of Biotechnology	2022	22784535