

## Faculty Research and Development

### Academic Research

S. No.	Name of Faculty	Title of Paper	Name of Journal	Conference/SCI/Scopus Indexed	Year	DOI/ISSN
1	Dr. Ashutosh Kumar Tripathi	Development and implementation of automatic metadata generation framework for SDI using OSS: a case study of Indian NSDI	Arabian Journal of Geosciences	SCI	2022	<a href="https://doi.org/10.1007/s12517-022-09635-w">https://doi.org/10.1007/s12517-022-09635-w</a>
2	Dr. Umesh Pandey	Faculty Performance and Clustering –A Critical Review	JOURNAL OF ALGEBRAIC STATISTICS	ESCI	2022	1309-3452
3	Dr. Umesh Pandey	Extension of MDNFM For Smart Classroom Activity Monitoring” JOURNAL OF ALGEBRAIC STATISTICS	JOURNAL OF ALGEBRAIC STATISTICS	ESCI	2022	1309-3452
4	Dr. Sanjeev Kumar	Soil Fertility Prediction using Soft Computing Approach	Research Advances in Intelligent Computing	Scopus(Book Chapter)	2022	9781032340517
5	Dr. Sanjeev Kumar	Fast and Efficient Text Searching in Compressed Data using Burrows Wheeler Transform	Research Advances in Intelligent Computing	Scopus(Book Chapter)	2022	9,781,032,340,517
6	Dr. Ashutosh Kumar Tripathi	NSDI Based Innovative Approach for Development of Open Source SDI for Health Sector: A Way Forward	Geospatial Data Science in Healthcare for Society 5.0 (Book	Book Chapter (Scopus Indexed)	2022	<a href="https://doi.org/10.1007/978-981-16-9476-9_13">https://doi.org/10.1007/978-981-16-9476-9_13</a>
7	Dr. Sanjeev Kumar	Forecasting of Precipitation in India by Different Data Types using Investigation of Radial Basis Function Neural Network Model	2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future	Conference(Scopus Indexed)	2021	10.1109/ICRITO51393.2021.9596073
8	Dr. Manmohan Mishra	Role Of Cloud Computing in Management and Education,	Materials Today: Proceedings journal	SCOPUS	2021	ISSN- 2214-7853
9	Dr. Manmohan Mishra	Implementation of Machine Learning Techniques for Disease Diagnosis	Materials Today: Proceedings journal	SCOPUS	2021	ISSN- 2214-7853
10	Dr. Manmohan Mishra	E-CRM: Medium of customer satisfaction, special case study of tourism industry,	Journal of Xi’an Shiyou University, Natural Science Edition	SCOPUS	2021	ISSN : 1673-064X
11	Dr. Awneesh Gupta	Role Of Cloud Computing in Management and Education	Materials Today: Proceedings journal	SCOPUS	2021	ISSN- 2214-7853
12	Dr. Awneesh Gupta	E-CRM: Medium of customer satisfaction, special case study of tourism industry	Journal of Xi’an Shiyou University, Natural Science Edition	SCOPUS	2021	ISSN: 1673-064X

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13	Dr. Ashutosh Kumar Tripathi	Comparison of GIS-based AHP and fuzzy AHP methods for hospital site selection: a case study for Prayagraj City, India	GeoJournal	Scopus	2021	<a href="https://doi.org/10.1007/s10708-021-10445-y">https://doi.org/10.1007/s10708-021-10445-y</a>
14	Dr. Sanjeev Kumar	Gene Sequence Classification Using K-mer Decomposition and Soft-Computing-Based Approach	Soft Computing: Theories and Applications	Scopus(Book Chapter)	2021	10.1007/978-981-16-1696-9_17
15	Dr. Sanjeev Kumar	Trends and Advancements in Genome Data Compression and Processing Algorithms	Soft Computing: Theories and Applications	Scopus(Book Chapter)	2021	10.1007/978-981-16-1696-9_17
16	Dr. Ashutosh Kumar Tripathi	A conceptual framework of public health SDI	Applications of Geomatics in Civil Engineering ( <b>Book Title</b> )	Book Chapter (Scopus Indexed)	2020	<a href="https://doi.org/10.1007/978-981-13-7067-0_37">https://doi.org/10.1007/978-981-13-7067-0_37</a>
17	Dr. Ashutosh Kumar Singh	Varna-based Optimization: A Novel Method for Capacitated Controller Placement Problem in SDN	Frontiers of Computer Science	SCI	2020	10.1007/s11704-018-7277-8
18	Dr. Ashutosh Kumar Tripathi	Cloud enabled SDI architecture: a review	Earth Science Informatics	SCI	2020	<a href="https://doi.org/10.1007/s12145-020-00446-9">https://doi.org/10.1007/s12145-020-00446-9</a>
19	Dr. Sanjeev Kumar	Burrows Wheeler Transform and Wavelet Tree Based Retrieval of Genome Sequence in an Indexed Genome Database	Recent Advances in Computer Science and Communications	Scopus	2020	<a href="https://doi.org/10.2174/2213275912666190313162132">https://doi.org/10.2174/2213275912666190313162132</a>
20	Dr. Sanjeev Kumar	WBTC: a new approach for efficient storage of genomic data	International Journal of Information	Scopus	2020	<a href="https://doi.org/10.1007/s41870-020-00472-2">https://doi.org/10.1007/s41870-020-00472-2</a>
21	Dr. Ashutosh Kumar Singh	Heuristic Approaches for the Reliable SDN Controller Placement Problem	Transactions on Emerging Telecommunications Technologies	SCI	2019	10.1002/ett.3761
22	Dr. Ashutosh Kumar Singh	NBP: Namespace-based Privacy to Counter Timing- based Attack in Named Data Networking	Journal of Network and Computer Applications	SCI	2019	10.1016/j.jnca.2019.07.004
23	Dr. Ashutosh Kumar Singh	Security Attacks in Named Data Networking: A Review and Research Directions	Journal of Computer Science and Technology	SCI	2019	10.1007/s11390-019-1978-9
24	Dr. Sanjeev Kumar	Fast and Memory Efficient Approach for Mapping NGS Reads to a Reference Genome	Journal of Bioinformatics and Computational Biology	SCIE	2019	<a href="https://doi.org/10.1142/S0219720019500082">https://doi.org/10.1142/S0219720019500082</a>
25	Dr. Ashutosh Kumar Singh	Feature selection for interest flooding attack in named data networking	International Journal of Computers and	Scopus	2019	10.1080/1206212X.2019.1583820

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26	Dr. Sanjeev Kumar	An Efficient Tool for Searching Maximal and Super Maximal Repeats in Large DNA/Protein Sequences via Induced-Enhanced Suffix Array	Recent Advances in Computer Science and Communications	Scopus	2019	<a href="https://doi.org/10.2174/2213275911666181107095645">https://doi.org/10.2174/2213275911666181107095645</a>
27	Dr. Manmohan Mishra	An Integrated Model for Improving Security Management in E-Commerce Environments	Journal For Multidisciplinary Research	SCOPUS	2019	ISSN NO: 2394-2886
28	Dr. Ashutosh Kumar Tripathi	WPS Enabled SDI: An Open Source Approach to Provide Geoprocessing in Web Environment	ISPRS Annals of Photogrammetry, Remote Sensing & Spatial Information Sciences	Scopus	2019	<a href="https://doi.org/10.5194/isprs-annals-IV-5-W2-119-2019">https://doi.org/10.5194/isprs-annals-IV-5-W2-119-2019</a>
29	Dr. Anita Gautam Khandizod	Optimal Band Selection for Improvement of Hyperspectral Palmprint Recognition System by Using SVM and KNN Classifier	Recent Trends in Image Processing and Pattern Recognition. (RTIP2R 2018). Communications in Computer and Information	Springer, Singapore,	2019	ISBN 978-981-13-9184-2, <a href="https://doi.org/10.1007/978-981-13-9184-2_38">https://doi.org/10.1007/978-981-13-9184-2_38</a>
1	Dr. Umesh Pandey	A Novel Approach for Performacne-Based Faculty Clustering	Stochastic Modeling and Applications	UGC Care Journal	2022	June-2022/ 0972-3641
2	Mr. Rohit Mishra	LOGISTICS SERVICES	International Research Journal of Modernization in Engineering Technology and Science	UGC Care Journal	2022	2582-5208
3	Mr. Rohit Mishra	MEDBOOK APP	International Journal of Scientific Research in Engineering and Management	UGC Care Journal	2022	2582-3930
4	Dr. Umesh Pandey	Empirical System for Risk Management of Mental Illness Disorders Using Neural Network Diagnostic	Indian Patent	PATENT	2022	2141
5	Dr. Umesh Pandey	Block chain for 5G-enabled IoT for Industrial Automation	Australian Patent	PATENT	2022	application number 2021100728
6	Dr. Umesh Pandey	3D Printing Based Design and Development of Touchless Sensor Enabled Hand and Room Sanitizer Machine	Indian Patent	PATENT	2022	Reference Number 202021056208

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7	Mr. Rohit	Big Data Analytics	Indian Patent	PATENT	2022	360276-001
8	Prafull Pandey	Geolocation-Based Shopping Recommender		Conference	2022	
9	Dr. Umesh Pandey	Heart Attack Anxiety Disorder using Machine Learning and Artificial Neural Networks (ANN) Approaches	International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022	Conference	2022	doi: 10.1109/ICACITE53722.2022.9823697.
10	Dr. Umesh Pandey	Systematic Healthcare Smart Systems with the Integration of the Sensor Using Cloud Computing Techniques	2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022	Conference	2022	doi: 10.1109/ICACITE53722.2022.9823626.
11	Dr. Umesh Pandey	A Critical Understanding of Integrated Artificial Intelligence Techniques for the Healthcare Prediction System	2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022	Conference	2022	doi: 10.1109/ICACITE53722.2022.9823678.
12	Dr. Umesh Pandey	An Inventory System Utilizing Neural Network in The Prediction of Machine Learning Techniques	2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022	Conference	2022	doi: 10.1109/ICACITE53722.2022.9823505
13	Dr. Umesh Pandey	Investigation of Block chain Technology Based on Digital Management System with Data Mining Technology for Green Marketing	2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022	Conference	2022	doi: 10.1109/ICACITE53722.2022.9823696.
14	Mr. Rohit Mishra	A Vision of IoT in India: Present Scenario, Challenges and Future Prospects		Conference	2022	
15	Dr. Umesh Pandey	Big Data Analytics	Publisher Book Rivers	Book	2022	August 2022, ISBN-10: 9355153910, ISBN-13: 978-9355153913

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16	Prafull Pandey	Online Voting System	International Research Journal of Modernization in Engineering, Technology and Science		2022	2582-5208
17	Mr. Rohit Mishra	ROOM ON MOBILE	International Research Journal of Modernization in Engineering Technology and Science		2022	2582-5208
18	Dr. Umesh Pandey	3D Printing Based Design and Development of Touchless Sensor Enabled Hand and Room Sanitizer Machine	Indian Patent	PATENT	2021	Reference Number 202021056208
19	Dr. Umesh Kumar Pandey	Blockchain for 5G-Enabled IOT for industrial automation	IP Australia: AusPat Application Details	Patent	2021	2021100728
20	Dr. Umesh Pandey	Smart Mini Mist Spray Sanitizer Device	Indian Patent	PATENT	2020	Reference Number 202021033135
21	Dr. Umesh Pandey	Intelligent Computing Based healthcare model for rural India	Indian Patent	PATENT	2020	Reference Number 202021027893
22	Dr. Umesh Pandey	Rule Generation of Cataract Patient Data Using Random Forest Algorithm	Intelligent Human Computer interaction	Book Chapter	2020	<a href="https://www.springerprofessional.de/en/rule-generation-of-cataract-patient-data-using-random-forest-alg/17887478">https://www.springerprofessional.de/en/rule-generation-of-cataract-patient-data-using-random-forest-alg/17887478</a>
23	Dr. Awneesh Gupta	An Integrated Model for Improving Security Management in E-Commerce Environments	Journal For Multidisciplinary Research	UGC	2019	ISSN NO: 2394-2886
24	Dr. Anita Gautam Khandizod	Hyperspectral Palmprint Recognition System using Phase Congruency and KNN Classifier	International Journal of Research and Analytical Reviews	Peer Reviewed	2019	, E-ISSN2348-1269, P- ISSN 2349-5138
25	Dr. Anita Gautam Khandizod	“Prediction of Salt in Soil by PLS Regression Using Hyperspectral Laboratory Data	International Journal of Computer Sciences and	Peer Reviewed	2019	E-ISSN: 2347-2693
26	Dr. Umesh Pandey	Impact of religiosity, spirituality, job satisfaction and commitment on employee performance: a quantile regression approach	International Journal of Indian Culture and Business Management, 2019 Vol.19 No.4, pp.491-	Journal	2019	10.1504/IJICBM.2019.104797

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27	Dr. Umesh Pandey	Data Analysis, Visualization and Leak Size Modeling for Water Distribution Network	Soft Computing and Signal Processing, Proceedings of ICSCSP 2018, Volume 2	Conference, Book Chapter	2019	10.1007/978-981-13-3393-4_9
28	Dr. Anita Gautam Khandizod	“Development of Non-imaging Palmprint Spectral Library via ASD Field Spec4 Spectroradiometer	Information Processing Algorithm, Com Tech 2019	Conference	2019	ISSN1999-9429
29	Dr. Umesh Pandey	A Study of Cataract Patient Data Using C5.0	Advances in Intelligent System and Computing: ICT System and Sustainability, Proceedings of ICT4SD2019, Volume 1	Book Chapter	2019	10.1007/978-981-15-0936-0_43