

Department of APPLIED SCIENCE AND HUMANITIES

Publications Record | Total: 63 entries

Author Name	Year	Journal Name	Title	ISSN	URL
Dr. Sweta Sharma	2018	Journal of Applied Spectroscopy	Early Stage Detection of Stress Due to Copper on Maize (<i>Zea mays</i> L.) by Laser-Induced Fluorescence and Infrared Spectroscopy	0021-9037	https://link.springer.com/article/10.1007/s10812-018-0717-2/article/10.1007/s10812-018-0717-2
Dr. Sweta Sharma	2019	National Academy Science Letters	Label-Free Mapping of the Biochemicals in Tomato Fruit by Confocal Raman Microspectroscopy	2250-1754	https://link.springer.com/article/10.1007/s40009-018-0747-6
Dr. Sweta Sharma	2018	Analytical Letters	Detection of Vibrational Spectroscopic Biomarkers of the Effect of Gold Nanoparticles on Wheat Seedlings Using Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2017.1423077
Prof. S.K. Trivedi	2023	ACS OMEGA	Effect of Zn Doping on Structural/Microstructural, Surface Topography, and Dielectric Properties of Bi ₂ Fe ₄ O ₉ Polycrystalline Nanomaterials	2470-1343	https://pubs.acs.org/doi/epdf/10.1021/acsomega.2c07604
R.R Awasthi	2023	Materials Today: Proceedings	Analysis of the optical, chemical, surface, and humidity sensing characteristics of nanostructured Bi ₂ O ₃ -doped MoO ₃ materials	2214-7853	https://www.researchgate.net/publication/368428858_Analysis_of_the_optical_chemical_surface_and_humidity_sensing_characteristics_of_nanostructured_Bi_2_O_3_-doped_MoO3_materials
R.R Awasthi	2023	ACS Omega	Effect of Zn Doping on Structural/Microstructural, Surface Topography, and Dielectric Properties of Bi ₂ Fe ₄ O ₉ Polycrystalline Nanomaterials	2470-1343	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10173439/pdf/ao2c07604.pdf
R.R Awasthi	2023	Journal of Ovonic Research	Effect of sintering temperature on the structural, morphological and humidity sensing properties of ZnO nanostructure	1584-9953	https://chalcogen.ro/411_ZaidiA.pdf
R.R Awasthi	2023	Journal of Theoretical and Applied Physics	Dielectric, electro-optical and spectroscopic properties of silver doped zinc oxide-ferroelectric liquid crystal composite system	2251-7227	https://oicpress.com/wp-content/uploads/private/Dielectric-electro-optical-and-spectroscopic-properties-of-silver-doped-zinc-oxide-ferroelectric-liquid-crystal-composite-system.pdf?sec=\$P\$B8RE/0X.hkVVl41.A.mjVQjKEVmvJX.&auth=eyJmaWxIjojMTQ1OTc2MjA0YjM4NzEzNDU3ZDA4NDNIYmEzMlM2NmMGU3YTM3YyIsInRpbWUiOjE3MjI1
Ms. Nidhi Sonker	2023	Dogo Rangsang Research Journal	Entrepreneurship and Sustainable Development Goals: A Cross-Sectional Analysis of Impact and Challenges	2347-7180	https://www.journal-dogorangsang.in/
Dr. Sweta Sharma	2019	Vibrational Spectroscopy	Non-destructive and Rapid Interrogation of Biochemical Response of	0924-2031	https://www.sciencedirect.com/science/article/abs/pii/S0924203118301292

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			the Leaves of Wheat Seedlings Towards Al ₂ O ₃ Nanoparticles Stress Using Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy		
Ms. Nidhi Sonker	2023	International Journal of Creative Research Thoughts (IJCRT)	Bibliometric Analysis of the Startup India Scheme in Uttar Pradesh: A Review of Research Publications	2320-2882	https://ijcrt.org/viewfull.php?&p_id=IJCRT23A5497
Ms. Nidhi Sonker	2021	Turkish Online Journal of Qualitative Inquiry (TOJQI)	An Analytical Study on Problems and Challenges Faced by Startup India Initiative and its Role on Economic Development of India	1309-6591	https://www.tojqi.net/index.php/journal/article/view/6990
Ms. Nidhi Sonker	2021	International Journal of Scientific Research in Engineering and Management (IJSREM)	Startup India: Challenges and Prospect	2582-3930	https://ijsrem.com/volume-05-issue-03-march-2021/
R.R Awasthi	2019	International Journal of Applied Ceramic Technology	Structural, dielectric and magnetic domains properties of Mn-doped BiFeO ₃ materials	1744-7402	https://ceramics.onlinelibrary.wiley.com/doi/abs/10.1111/ijac.13446
Prof. S.K. Trivedi	2022	NeuroQuantology Journal	Application of Transfer Learning Approach for Diagnosis of Nine Deadly Diseases in Tomato Crops	1303-5150	https://www.neuroquantology.com/open-access/APPLICATION+OF+TRANSFER+LEARNING+APPROACH+FOR+DIAGNOSIS+OF+NINE+DEADLY+DISEASES+IN+TOMATO+CROPS
Prof. S.K. Trivedi	2022	NeuroQuantology Journal	Diagnosis of Early-Stage Brown Spot Diseases in Paddy Crop Using Deep CNN Architecture and Image Processing	1303-5150	https://www.neuroquantology.com/open-access/DIAGNOSIS+OF+EARLY-STAGE+BROWN+SPOT+DISEASES+IN+PADDY+CROP+USING+DEEP+CNN+ARCHITECTURE+AND+IMAGE+PROCESSING_180/?download=true
Prof. S.K. Trivedi	2021	The Journal of The Textile Institute	Humidity sensing behavior of Cr-PET (polyester) fiber-doped ZnO nanostructures	1754-2340	https://www.tandfonline.com/doi/full/10.1080/00405000.2021.1984687
Prof. S.K. Trivedi	2021	Journal of Molecular Liquids	Comparative study of acoustic non-linearity parameter in binary mixtures of N,N-dimethylacetamide with Polyethylene Glycols at different temperatures	0167-7322	https://ouci.dntb.gov.ua/en/works/7X1Enb04/
Prof. S.K. Trivedi	2023	Journal of Theoretical and Applied Physics	Dielectric, electro-optical and spectroscopic properties of silver doped zinc oxide-ferroelectric liquid crystal composite system	2251-7227	https://oicpress.com/journal-of-theoretical-and-applied-physics/article/dielectric-electro-optical-and-spectroscopic-properties-of-silver-doped-zinc-oxide-ferroelectric-liquid-crystal-composite-system
Ms. Nidhi Sonker	2023	International Journal of Creative Research Thoughts (IJCRT)	The Role of Mentoring Support on Start-Up Entrepreneurial Success in India	2320-2882	https://ijcrt.org/viewfull.php?&p_id=IJCRT2307566
Dr. Sweta Sharma	2019	Analytical Letters	Interaction of Zinc Oxide and Copper Oxide Nanoparticles with	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2018.1556277

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			Chlorophyll: A Fluorescence Quenching Study		
Prof. S.K. Trivedi	2022	The Journal of Oriental Research Madras	Internet of things for data security and challenges and threats	0022-3301	http://naac.kmclu.ac.in/public/doc/5.Prof.S.K%20Trivedi%20Reaseach%20paper-%20March,2023.pdf
Dr. Sweta Sharma	2019	Analytical Letters	Non-destructive phenotyping of chili pepper ripening using spectroscopic probes: A potential approach for shelf-life measurement	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2018.1558231#:~:text=The%20analysis%20of%20the%20fluorescence,progress%20in%20the%20ripening%20stages.
Dr. Sweta Sharma	2019	Analytical Letters	Non-invasive Monitoring of Biochemical Response of Wheat Seedlings Toward Titanium Dioxide Nanoparticles Treatment Using Attenuated Total Reflectance Fourier Transform Infrared and Laser Induced Fluorescence Spectroscopy	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2018.1563940
R.R Awasthi	2021	Materials Today: Proceedings	CTAB mediated synthesis of ZnO nanoparticles: Structural, optical and enhanced blue-green optical emission	2214-7853	https://www.researchgate.net/publication/350746887_CTAB_mediated_synthesis_of_ZnO_nanoparticles_Structural_optical_and_enhanced_blue-green_optical_emission
R.R Awasthi	2022	Journal of the Textile Institute	Humidity sensing behavior of Cr-PET (polyester) fiber-doped ZnO nanostructures	1754-2340	https://www.sciencegate.app/app/document/download#10.1080/00405000.2021.1984687
R.R Awasthi	2021	Materials Today: Proceedings	Dielectric, electro-optical and spectroscopic properties of silver doped zinc oxide-ferroelectric liquid crystal composite system	2214-7854	https://www.researchgate.net/publication/350714335_Sol-gel_derived_Al-doped_ZnO_nanoplates_Structural_and_optical_properties
R.R Awasthi	2023	Chalcogenide Letters	Effect of pH values on the structural, morphological and sensing properties of ZnO nanostructure	1584-8663	https://chalcogen.ro/33_ZaidiA.pdf
Dr. Sweta Sharma	2020	Analytical Letters	Synthesis of Sensitive and Robust Lignin Capped Silver Nanoparticles for the Determination of Cobalt(II), Chromium(III), and Manganese(II) Ions by Colorimetry and Manganese(II) Ions by Surface-Enhanced Raman Scattering (SERS) in Aqueous Media	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2020.1837855
R.R Awasthi	2022	ACS Omega	Environmentally Benign Structural, Topographic, and Sensing Properties of Pure and Al-Doped ZnO Thin Films	2470-1343	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9404162/
Dr. Sweta Sharma	2020	Analytical Letters	Colorimetric and Surface Enhanced Raman Scattering (SERS)	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2020.1743715

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			Detection of Metal Ions in Aqueous Medium Using Sensitive, Robust and Novel Pectin Functionalized Silver Nanoparticles		
Dr. Sweta Sharma	2020	Analytical Letters	Investigating the Carotenogenesis Process in Papaya Fruits during Maturity and Ripening by Non-Destructive Spectroscopic Probes	0003-2719	https://www.tandfonline.com/doi/full/10.1080/00032719.2020.1760874
Dr. Sweta Sharma	2020	Analytical Letters	Interaction of Chlorophyll with Titanium Dioxide and Iron Oxide Nanoparticles: A Temperature Dependent Fluorescence Quenching Study	0003-2719	https://www.tandfonline.com/doi/full/10.1080/00032719.2020.1721000
Dr. Sweta Sharma	2020	Analytical Letters	Non-Destructive Assessment of the Impact of Selenium Treatment on the Biochemical Profile of the Leaves of Wheat Seedlings by Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2020.1719127
Dr. Sweta Sharma	2020	National Academy Science Letters	Elemental assessment of the leaf and seed of Rauwolfia serpentina (Sarpagandha) by direct current arc optical emission spectroscopy	2250-1754	https://link.springer.com/article/10.1007/s40009-019-00872-4
Dr. Sweta Sharma	2019	Analytical Letters	Prompt Screening of the Alterations in Biochemical and Mineral Profile of Wheat Plants Treated with Chromium Using Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy and X-ray Fluorescence Excited by Synchrotron Radiation	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2019.1656729
Dr. Sweta Sharma	2020	Analytical Letters	Phytochemical Screening of the Different Cultivars of Ixora Flowers by Non-Destructive, Label-Free, and Rapid Spectroscopic Techniques	0003-2719	https://www.tandfonline.com/doi/abs/10.1080/00032719.2020.1855440#:~:text=The%20pre%2Dprocessing%20and%20spectral,flowers%20are%20abundant%20in%20carotenoids.
B.B Nath Anchal	2020	Lecture Notes in Electrical Engineering	Fabrication of Nano-petals Zn _{0.97} Cu _{0.03} O Thin Film and Application in Methane Sensing	1876-1119	https://link.springer.com/chapter/10.1007/978-981-32-9775-3_39
B.B Nath Anchal	2019	Materials Today: Proceedings	Fabrication of single phase barium stannate (BaSnO ₃) thin film for methane sensing	2214-7853	https://www.researchgate.net/publication/335561046_Fabrication_of_Single_Phase_Barium_Stannate_BaSnO3_Thin_Film_for_Methane_Sensing
B.B Nath Anchal	2019	Lecture Notes in Electrical Engineering	Development of nano-rough Zn _{0.92} Fe _{0.08} O thin film by high electro-spin technique via solid-	1876-1119	https://www.researchgate.net/publication/331425629_UPCON_Fabrication_of_electro-spin_coated_Zn097_Fe003O_nano-rough_thin_film_and_application_in_LPG_sensing_Spin_coated_thin_film_using_in_LPG_detection

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			state route and verify as methane sensor		
B.B Nath Anchal	2018	5th IEEE Uttar Pradesh Section International Conference on EECE, UPCON	(UPCON) Fabrication of electro-spin coated Zn 0.97 Fe 0.03 O nano-rough thin film and application in LPG sensing	1538650037, 9781538650035	https://ieeexplore.ieee.org/document/8596964
B.B Nath Anchal	2018	Chemistry Select	A Nano-Wrinkled Zn _{0.92} Fe _{0.08} O Thin Film Developed Using a High-RPM Electro-Spin Patterning Technique via Sol-Gel Route For Methane Sensing	2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/slct.201801509
R.K Tripathi	2023	AIP Conference Proceedings	The solution of simultaneous dual integral equations involving fox's H-function	1551-7616	https://www.researchgate.net/publication/371848642_The_solution_of_simultaneous_dual_integral_equations_involving_fox's_H-function
Dr. R.K Tripathi	2023	Heliyon	A theoretical model for diffusion through stenosis	2405-8440	https://www.cell.com/heliyon/pdf/S2405-8440(23)08015-5.pdf
R.K Tripathi	2023	Materials Today: Proceedings	Materialistic cracks & integral equations	2214-7853	https://www.sciencedirect.com/science/article/abs/pii/S2214785323038130
Dr. R.K Tripathi	2022	High Technology Letters	On a Structure defined by a Tensor field $f\lambda$ with complimented frames satisfying $f_3-\lambda_3f$	1006-6748	http://naac.kmclu.ac.in/public/doc/6.Dr.R.K%20Tripathi%20Research%20paper-2022.pdf
Dr. R.K Tripathi	2018	JETIR	A Study Of The Orthonormal Series Expansion of Generalized Functions	2349-5162	https://www.jetir.org/papers/JETIR1809A61.pdf
Dr. R.K Tripathi	2021	Turkish Online Journal of Qualitative Inquiry	Stress Intensity Factors For Two Griffith Cracks Opened By A Symmetrical System Of Body Forces In A Stressfree Strip	1309-6591	https://openurl.ebsco.com/EPDB%3Agcd%3A7%3A7475095/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A160413881&crl=c
Dr. R.K Tripathi	2021	NVEO	The Stress Intensity Factor Of An Exterior Crack In A Stress Free Strip With Forces At Crack Face	3377-3383	https://www.nveo.org/index.php/journal/article/view/913/838
Dr. R.K Tripathi	2023	IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES	Deep Learning Galerkin Method for Solving Ordinary Differential Equations	2319-1775	https://www.ijfans.org/uploads/paper/530e22e81793171450cb1c75ccd05f94.pdf
Dr. R.K Tripathi	2021	INDIAN JOURNAL OF SCIENTIFIC RESEARCH	THERMAL STRESS IN BONDED DISSIMILAR ELASTIC HALF PLANES CONTAINING A GRIFFITH CRACK AT THE INTERFACE	0976-2876	https://www.ijsr.in/upload/1124469481Chapter_7.pdf
Dr Shavej Ali	2022	High Technology Letters	On a Structure defined by a Tensor field $f\lambda$ with complimented frames satisfying $f_3-\lambda_3f$	1006-6748	http://naac.kmclu.ac.in/public/doc/7.Dr.%20Shavej%20Ali%20Research%20Paper.2022.pdf
Dr Shavej Ali	2023	International Release of Mathematics and Mathematical Sciences	OPTIMIZATION OF INTERDEPENDENT QUEUEING MODEL WITH BULK SERVICE	1006-8341	https://irmms.org/Research%20Paper/paper4.pdf

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			HAVING VARIABLE CAPACITY		
Dr Shavej Ali	2023	IJCRT	HORIZONTAL LIFTS OF THE METALLIC STRUCTURES FROM MANIFOLD ONTO TANGENT BUNDLE	2320-2882	https://www.ijcrt.org/papers/IJCRT2310625.pdf
Dr Shavej Ali	2023	TANZ	TWO SERVER INTERDEPENDENT QUEUEING MODEL WITH BULK SERVICE	1869-7720	http://naac.kmclu.ac.in/public/doc/9.Dr.%20Shavej%20Ali%20Research%20Paper,2023.pdf
Dr Shavej Ali	2020	Journal of Mathematical and Computational Science	OPTIMIZATION OF A QUEUEING SYSTEM WITH INVERSE-GAUSSIAN SERVICE PATTERN	1927-5307	http://naac.kmclu.ac.in/public/doc/4.Dr.%20Shavej%20Ali%20Research%20Paper%20November,2020.pdf
Dr Shavej Ali	2021	INDIAN JOURNAL OF SCIENTIFIC RESEARCH	THERMAL STRESS IN BONDED DISSIMILAR ELASTIC HALF PLANES CONTAINING A GRIFFITH CRACK AT THE INTERFACE	0976-2876	https://www.academia.edu/89032599/Thermal_Stress_in_Bonded_Dissimilar_Elastic_Half_Planes_Containing_A_Griffith_Crack_at_The_Interface
Dr Shavej Ali	2021	Turkish Journal of Computer and Mathematics Education	Optimization Of Queueing Model	3048-4855	http://naac.kmclu.ac.in/public/doc/5.Dr.%20Shavej%20Ali%20Research%20Paper%20April,2021.pdf
Dr Shavej Ali	2020	For Basic Science	QUEUEING SYSTEM WITH INTERDEPENDENT ARRIVAL AND SERVICE PROCESSES	1006-8341	http://naac.kmclu.ac.in/public/doc/3.Dr.%20Shavej%20Ali%20Research%20Paper.2020.pdf
Dr Shavej Ali	2020	IJCRT	OPTIMIZATION OF MULTIPLE SERVER INTERDEPENDENT QUEUEING MODELS WITH BULK SERVICE	2320-2882	https://ijcrt.org/papers/IJCRT2004061.pdf
Dr Shavej Ali	2018	IJCRT	On Almost Complex Manifold in Complex Structure (F)	2320-2882	1.Dr. Shavej Ali Research Paper January,2018.pdf
Apratim Chaterjee	2020	Journal Of Shanghai Jiaotong University	COMBATING COVID-19 PANDEMIC LOCKDOWNS - CONCERNS REGARDING HEALTH AND LIVELIHOOD OF CHIKAN CRAFTS WOMEN	1007-1172	http://naac.kmclu.ac.in/public/doc/2.Apritim%20research%20paper%20July,2020.pdf
Apratim Chaterjee	2020	Our Heritage	Marketing Strategy For One District One Product Plan With Special Reference To Uttar Pradesh	0474-9030	https://heritageresearchjournal.com/index.php/volume-68-issue-1-2020/