

| RESEARCH PUBLICATIONS 2016-17 -- 2020-21 | | | | | | | | |
|--|--|--|---------------------------|---|---------------------|---------------------------------------|---|--|
| Sl. No. | Title of Paper | Name of the Author/s | Department of the Teacher | Name of Journal | Year of Publication | ISSN | Link to article/paper/abstract of the article | Status_UGC Care list/Scopus/Web of Science/other |
| 2020-21 | | | | | | | | |
| 1 | Enamines and their variants as intermediates for synthesis of aza-heterocycles with applications in MCRs | D. Magoo, Komal Aggarwal, Shruti Gupta, Kalawati Meena | Chemistry | Tetrahedron | 2021 | 0040-4020 | https://doi.org/10.1016/j.tet.2021.132545 | Scopus Index |
| 2 | Clinical status of potential drugs used for COVID-19 treatment and recent advances in new therapeutics - A review | Kalpa Mandal, Meenakshi Singh, Charu Chandra, Indraj Kumar Kumawat | Chemistry | Chemical Biology Letters | 2021 | 2347-9825 | http://pubs.iscience.in/journal/index.php/cbl/article/view/1273 | Scopus Index |
| 3 | Impact of Corona Virus Epidemic on Solid Waste Management: Challenges, Opportunities, and Progress. | Ratna Singh, Kalpa Mandal, | Chemistry | Bulletin of Environment, Pharmacology and Life Sciences | 2021 | | https://www.researchgate.net/publication/357677439_Impact_of_Corona_Virus_Epidemic_on_Solid_Waste_Management_Challenges_Opportunities_and_Progress | Web of Science |
| 4 | Nanoscale zeolitic imidazolate framework-8 encapsulates crude extract of Ajuaga bracteosa wall ex. Benth and enhanced their antibacterial efficiency | Ahanger ABM, Kumar S., Kain D., Arya A., Vandana. | Chemistry | Inorganic Chemistry Communications | 2021 | 1387-7003 | https://doi.org/10.1016/j.inoche.2021.108940 | Scopus Index |
| 5 | Need to Revise Cash Flow Statement for Better Investment Decisions and Corporate Governance, | Dr. Sangeeta Porwal, Netan Porwal, Dr.harender porwal | Commerce | International Journal of Management Studies and Social Sciences Research, (IJMSSSR) | 2021 | 2583-0265 | https://www.ijmsssr.org/paper/IJMS SSR00478.pdf | Peer Reviewed |
| 6 | Relevance of Break even points for start-ups in Decision Making (Case-Based Approach) | Dr. Sangeeta Porwal | Commerce | International Journal of applied research | 2021 | 2394-7500(Print) 2394-5869(Online) | http://dx.doi.org/10.22271/allresearch.2021.v7.i11a.9101 | Peer Reviewed |
| 7 | Understanding Agricultural Marketing Reforms and the New Regulations: A Review | Dr. Minakshi Kar | Commerce | Discussant, Journal of Centre for Reforms, Development and Justice | 2021 | ISSN2250-3412 | | Peer reviewed |
| 8 | Me, Myself and I.... | Dr. Rita Nagpal | Commerce | Samvedna | 2021 | 2581-9917 | | Peer reviewed |
| 9 | Aanandoham | Dr. Rita Nagpal | Commerce | Samvedna | 2021 | 2581-9917 | | Peer reviewed |

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| 10 | Emerging Economy of India: Performance and Prospects in Globalization | Dr. Sandeep Kumar Garg | Commerce | International Research Journal of Management Sociology and Humanities | 2021 | ISSN 2277 – 9809 | | An Internationally Indexed Peer Reviewed & Refereed Journal |

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| 11 | ANALYSIS OF COVID 19 ON TRADE, FDI FLOWS, REAL EXCHANGE RATE IN INDIA. | Dr. Sandeep Kumar Garg | Commerce | JOURNAL OF MANAGEMENT & ENTREPRENEURSHIP | 2021 | ISSN : 2229-5348 | | UGC Care Group 1 Journal |
| 12 | CRYPTOCURRENCIES INCREASE THE SYSTEMIC RISK OF THE INDIAN FINANCIAL MARKET | Dr. Sandeep Kumar Garg | Commerce | INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS | 2021 | ISSN 2349-5138 | | An Internationally Indexed Peer Reviewed & Refereed Journal |
| 13 | The tax implications of cryptocurrency Transactions in India | Dr. Sandeep Kumar Garg | Commerce | INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS | 2021 | ISSN 2349-5138 | | An Internationally Indexed Peer Reviewed & Refereed Journal |
| 14 | Indian Unicorns and Covid 19: An Assessment & Prospects | Neeta Tripathi | Commerce | ARTHAVAAN | 2021 | 2455-0353 | | Peer reviewed |
| 15 | Demonetization & our Economy | Amarjeet Kaur | Commerce | B.AADHAR | 2021 | 2278-9308 | | Peer reviewed |
| 16 | Artificial Intelligence-Robots of AI, human Intelligence | Amarjeet Kaur | Commerce | Education today | 2021 | 2229 5755 | | Peer reviewed |
| 17 | Future of Artificial Intelligence & Robotics in Business | Dr. Amarjeet Kaur | Commerce | IJCRT | 2021 | 2320-2882 | https://ijcrt.org/papers/IJCRTG020022.pdf | Peer Reviewed |
| 18 | Can Online Education System be a replacement of Offline Education System. Education Prior to COVID-19 (Offline Study) VS Education in COVID-19 (Online Study) | Dr. Amarjeet Kaur | Commerce | Anvesak | 2021 | 0378-4568 | | UGC Care Listed |
| 19 | Today's digital natives: an exploratory study on students' engagement and satisfaction towards virtual classes amid COVID 19 pandemic. | Maini R, Sehgal S, Agrawal G | Commerce | The International Journal of Information and Learning Technology | 2021 | 2056-4880 | https://doi.org/10.1108/IJILT-03-2021-0055 | UGC Care and Scopus Indexed |
| 20 | Effects of Trusting Beliefs on Intention to Buy Online in Crisis Times | Sehgal S, Agrawal G, Maini R. & Chikkara, R | Commerce | South Asian Journal of Management | 2021 | 0971-5428 | https://www.proquest.com/openview/27912ee0debfa1a5f38fc6ea87ca7978/1?pg-origsite=gscholar&cbl=46967 | UGC care Listed and Australian Business Dean CouncilABDC listed |

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| 21 | Analysis of sectoral herding through quantile regression: a study of S&P BSE 500 stocks. | Shrotryia, V. K., & Kalra, H. | Commerce | International Journal of Business and Economics | 2021 | 2545-4137 | https://ijbe.fcu.edu.tw/past_issues/NO.20-1/pdf/vol_20-1-1.pdf | Australian Business Dean Council (ABDC) |
| 22 | COVID-19 and overconfidence bias: a case of developed, emerging and frontier markets. | Shrotryia, V. K., & Kalra, H. | Commerce | International Journal of Emerging Markets | 2021 | 1746-8809 | https://www.emerald.com/insight/content/doi/10.1108/IJOEM-09-2020-1019/full/html | ABDC-B Category, Scopus Indexed |
| 23 | Herding in the crypto market: a diagnosis of heavy distribution tails. | Shrotryia, V. K., & Kalra, H. | Commerce | Review of Behavioral Finance | 2021 | 1940-5979 | https://www.emerald.com/insight/content/doi/10.1108/RBF-02-2021-0021/full/html | ABDC-B Category, Scopus Indexed |
| 24 | Padmawatmae prem kismvedna | Mandal, Kedar | Hindi | SamsamyakSrujan, | 2021 | | | |
| 25 | 2021 kisolahkahaniya | Tiwari, P.K. | Hindi | Parikatha | 2021 | | | |
| 26 | Kathakar hone kemayane | Tiwari, P.K. | Hindi | Chintan Disha | 2021 | | | |
| 27 | Special class of G-wolfe type fractional duality theorems under G-psedoinvexityassumtions | Kumar, A. | Mathematics | Journal of Physics: Conference Series | 2021 | 1724, 012027. | https://ui.adsabs.harvard.edu/link_gateway/2021JPhCS1724a2027D/doi:10.1088/1742-6596/1724/1/012027 | |
| 28 | Nonstandard finite difference method for the approximate solution of two-point fourth order boundary value problems in ODEs | Pandey, P.K. | Mathematics | Applied Sciences | 2021 | NA | http://www.mathem.pub.ro/apps/v23/A23-pa-ZAN71.pdf | |
| 29 | On the numerical solution of two point boundary value problem for the Helmholtz type equation by finite difference method with non regular step length between nodes | Pandey, P.K. | Mathematics | Qubahan Academic Journal | 2021 | NA | https://journal.qubahan.com/index.php/qaj/article/view/19 | |
| 30 | Covering properties defined by preopen sets | Singh, S. | Mathematics | Asian European Journal of Mathematics | 2021 | 1793-5571 | https://doi.org/10.1142/S1793557121500352 | Scopus Index |

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| 31 | On SIH-property and SSIH-property in topological spaces | Singh, S. | Mathematics | Khayyam Journal of Mathematics | 2021 | 2423-4788 | http://www.kjm-math.org/article_123050_1b4fd9d46b351f7934667d2db3661eb8.pdf | UGC+Scopus Indexed |
| 32 | Relative version of star-Hurewicz property | Singh, S. | Mathematics | Acta Mathematica Hungrica | 2021 | 1588-2632 | http://dx.doi.org/10.1007/s10474-020-01121-7 | |
| 33 | <i>Star-Hurewicz modulo an ideal property in topological spaces</i> | Singh, S. | Mathematics | Journal of Indian Mathematical Society | 2021 | 0019-5839 | https://doi.org/10.18311/jims/2021/26630 | Scopus Index |
| 34 | Sequence selection properties in (X) with the double ideals", | Singh, S. | Mathematics | Mathematica Slovaca | 2021 | 1337-2211 | https://doi.org/10.1515/ms-2017-0458 | |
| 35 | Amphipathic methoxypolyethylene glycol-curcumin conjugate as effective drug delivery system useful for colonic diseases | PreetiGoyal, Pradeep Kumar &Alka Gupta | Chemistry | Colloid and Polymer Science | 2021 | 0008-6215 | https://doi.org/10.1007/s00396-021-04892-9 | Scopus Index |
| 36 | Chol-Dexnanomicelles: Synthesis, characterization and evaluation as efficient drug carriers for colon targeting | PreetiGoyal, Mehek Singh, Pradeep Kumar and Alka Gupta | Chemistry | Carbohydrate Research 500 | 2021 | 0008-6215 | http://dx.doi.org/10.1016/j.carres.2021.108255 | Scopus Index |
| 37 | स्वच्छभारतअभियान(ग्रामीण): ग्रामस्वच्छतापरमहात्मागांधीके भिचारोंकायथाथीकरण | Kumar, Nishant | Political Science | Shodh Drishti | 2021 | NA | | |
| 38 | Iqbal aur Tasawwurre Zan | Arshad | Urdu | Iqbal Fahmi | 2021 | NA | | |
| 39 | Some explorations on population dynamics of freshwater fish parasitic monogenea, Mizelleus indicus (Jain, 1957), Pandey et al. (2003) | Arya, P.V. and Singh, H.S. | Zoology | Journal of Experimental Zoology, India | 2021 | 0972-0030 | https://www.researchgate.net/publication/344466987_SOME_EXPLORATIONS_ON_POPULATION_DYNAMICS_OF_FRESHWATER_FISH_PARASITIC_MONOGENEA_MIZELLEUS_INDICUS_JAIN_1957_PANDEY_ET_AL_2003 | |

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| 40 | A review on drug repurposing: A strategy to treat human coronavirus disease (COVID-19). | Bhattacharya, N.,et. al. | Zoology | International Journal of Tropical Diseases and Health | 2021 | 2278–1005 | http://dx.doi.org/10.9734/ijtdh/2020/v41i2130407 | |

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| 41 | Microglia specific drug targeting using natural products for the regulation of redox imbalance in neurodegeneration | Maurya, S.K., Bhattacharya, N., Mishra, S., Bhattacharya, A., Banerjee, P., Senapati, S., and Mishra, R. | Zoology | Frontiers in Pharmacology | 2021 | 1663-9812 | https://doi.org/10.3389/fphar.2021.654489 | PubMed Central |
| 42 | Synthesis, Characterization, Antimicrobial, MTT assay, DFT study of Co(II), Ni(II), Cu(II) and Zn(II) Complexes with some New Schiff Base Ligands | Deepak Tomara, f, Madhuri Chaurasiab, Prateek Tyagib, Swati Agrawalc, Pravita Kumard, Deepansh Sharmae, Aruna Chhikaraf* and Sulekh Chandrab* | Chemistry | Egyptian Journal of Chemistry | 2021 | 0449-2285 | https://dx.doi.org/10.21608/eichem.2021.47433.2964 | Scopus Index |
| 43 | Structural Features and Biological Analysis: Schiff's Base Ligand and its Coordination Compounds | Seema Gautam, <u>Amit Kumar</u> , Navneet Manav, Jugmender Singh, and Sulekh Chandra | Chemistry | Indian Drugs | 2021 | 0019-462X | http://dx.doi.org/10.53879/id.58.07.11948 | |
| 44 | Traveling of extreme events in network of counter-rotating nonlinear oscillators | Vaibhav Varshney, Suresh Kumarasamy, Ajay Mishra, Bibhu Biswal and Awadhesh Prasad | Physics | CHAOS | 2021 | Print: ISSN 1054-1500 | http://dx.doi.org/10.1063/5.0059750 | YES |
| 45 | A Binuclear Gadolinium Complex of 8-hydroxyquinoline-2-carbaldehyde Salicylhydrazone: Structural Characterisation and Photoluminescence Properties | Mukesh Kumar, <u>Amit Kumar</u> , Navneet Manav, Ajay Kumar Bhagi and Rohith P John | Chemistry | Research on Chemical Intermediates | 2021 | 1568-5675 | https://doi.org/10.1007/s11164-021-04589-2 | Scopus Index |
| 46 | The framework of nanopesticides: a paradigm in biodiversity | Shashank Shekhar, Shreya Sharma, Amit Kumar, Anjali Taneja and Bhasha Sharma | Chemistry | Materials Advances | 2021 | 2633-5409 | https://doi.org/10.1039/D1MA00329A | Scopus Index |
| 47 | Human gut microbiota and mental health: advancements and challenges in microbe-based therapeutic interventions | Verma, H., Phian, S., Lakra, P., Kaur, J., Subudhi, S., Lal, R., & Rawat, C. D. | Botany | Indian journal of microbiology, 1-15. | 2020 | 0046-8991 | https://doi.org/10.1007/s12088-020-00898-z | Scopus Index |

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| 48 | Insight into solute-solute and solute-solvent interactions of semicarbazide hydrochloride in aqueous-D-glucose/D-sucrose solutions at temperatures from 293.15 to 318.15 K | Ankita, D. Chand and A. K. Nain | Chemistry | <i>Chinese Journal of Chemical Engineering</i> (Elsevier) | 2020 | 1004-9541 | https://doi.org/10.1016/j.ciche.2020.07.007 | Scopus Index |
| 49 | Insight into solute-solute and solute-solvent interactions of l-proline in aqueous-D-xylose/Larabinose solutions by using physicochemical methods at temperatures from 293.15 to 318.15 K | A. K. Nain | Chemistry | <i>Journal of Molecular Liquids</i> (Elsevier), | 2020 | 0167-7322 | https://doi.org/10.1016/j.molliq.2020.114190 | Scopus Index |
| 50 | Viscosity B-coefficients and thermodynamics of viscous flow of l-arginine/l-histidine in aqueous-gentamicin sulphate at temperatures from 298.15 to 318.15 K | Ankita and A. K. Nain | Chemistry | <i>Organic & Medicinal Chemistry International Journal</i> (Juniper) | 2020 | 2474-7610 | | |

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| 52 | Experimental and theoretical studies of transport and optical properties of binary mixtures of acetonitrile with some alkyl methacrylates at temperatures from 293.15 to 318.15 K | P. Droliya, D. Chand and A. K. Nain | Chemistry | Indian J. Chem. | 2020 | 0975-0975 | http://nopr.niscair.res.in/handle/123456789/55456 | Scopus Index |
| 53 | Densities, ultrasonic speeds, viscosities, refractive indices and excess properties of 1-butyl-3-methylimidazolium tetrafluoroborate + N-methylacetamide binary mixtures at different temperatures | N. Chaudhary and A. K. Nain | Chemistry | J. Chem. Eng. Data | 2020 | 0021-9568 | https://doi.org/10.1021/acs.jced.9b00875 | Scopus Index |
| 54 | Molecular interactions of drug semicarbazide hydrochloride in aqueous D-xylose/L-arabinose solutions at different temperatures: Volumetric, acoustic and viscometric study | Ankita, D. Chand and A. K. Nain | Chemistry | J. Chem. Thermodyn | 2020 | 0021-9614 | https://doi.org/10.1016/j.jct.2020.106106 | Scopus Index |
| 55 | Densities, ultrasonic speeds, viscosities, refractive indices, excess and partial molar properties of binary mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate with formamide at temperatures from 293.15 to 318.15 K | N. Chaudhary and A. K. Nain | Chemistry | <i>Journal of Molecular Liquids</i> (Elsevier), | 2020 | 0167-7322 | https://doi.org/10.1016/j.molliq.2020.112816 | Scopus Index |

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| 57 | Correlation between physicochemical properties and non-covalent interactions involving l-arginine/l-histidine and semicarbazide hydrochloride at temperatures from 293.15 to 318.15 K | J. Gupta and A. K. Nain | Chemistry | <i>Journal of Chemical Thermodynamics</i> (Elsevier) | 2020 | 0021-9614 | https://doi.org/10.1016/j.jct.2020.106067 | Scopus Index |

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| 58 | Insight into interactions of l-arginine/l-histidine with drug betaine hydrochloride in aqueous medium at different temperatures by using physicochemical methods | J. Gupta, D. Chand and A. K. Nain | Chemistry | Organic & Medicinal Chem. I.J. | 2020 | 2474-7610 | | |
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| 61 | Volumetric, ultrasonic, viscometric and refractive index studies of molecular interactions in binary mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate with methyl acrylate at temperatures from 293.15 to 318.15 K | N. Chaudhary and A. K. Nain | Chemistry | <i>Journal of Molecular Liquids</i> (Elsevier), | 2020 | 0167-7322 | https://doi.org/10.1016/j.molliq.2019.111890 | Scopus Index |
| 62 | <i>In-vitro</i> Assessment of Core-Shell Micellar Nanostructures of Amphiphilic Cationic Polymer-Peptide Conjugates as Efficient Gene and Drug Carriers | Garg, C., Priyam A., Kumar, P., Sharma, A. K. and Gupta, A. | Chemistry | Journal of Pharmaceutical Sciences, 109, 2847-2853. | 2020 | 0022-3549 | https://doi.org/10.1016/j.xphs.2020.05.016 | Scopus Index |
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| 69 | Online Learning Experience in India & Covid 19 An Empirical Analysis | Kaur, K., and Kaur, J | Commerce | IOSR Journal of Research & Method in Education, 11 (2). | 2020 | | | |
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| 73 | Effects of Trusting Beliefs on intentions to buy online: Evidence From Online Grocery and essential retail during crisis | Sehgal, S., Agarwal, G., and Maini, R., | Commerce | South Asian Journal of Management. | 2020 | 0971-5428 | | UGC |
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