

**SRI VENKATESWARA COLLEGE**

**RESEARCH PUBLICATIONS**

**National and International (2020-2021)**

S. No	Department	Name of the Faculty	Details of Publication
1	<b>Zoology</b>	Prof. Vartika Mathur	Sharma G., Malthankar P.A. & Mathur V. (2021) Insect–Plant Interactions: A Multilayered Relationship. <i>Annals of the Entomological Society of America</i> , 114 (1), 1–16,ISSN: 138746, <a href="https://doi.org/10.1093/aesa/saaa032">https://doi.org/10.1093/aesa/saaa032</a>
2		Prof. Om Prakash	Verma, V.K., Prakash, O., Kumar, R.S.R., Rani, K.. & Sehgal, N. (2021) Water hyacinth ( <i>Eichhornia crassipes</i> ) leaves enhances disease resistance in <i>Channa punctata</i> from <i>Vibrio harveyi</i> infection. <i>The Journal of Basic and Applied Zoology</i> , 82, 6.ISSN: 2090-990X, <a href="https://doi.org/10.1186/s41936-020-00203-w">https://doi.org/10.1186/s41936-020-00203-w</a>
3			Verma, V. K., Kumar, K. B., Sagar, K., Majumdar, S., Pal, S., Mehta, A., Vats, A., Rani, K.V., Sehgal, N. & Prakash, O. (2021). Amelioration of immune and digestive system through weed supplemented feed against <i>Aeromonas hydrophila</i> in <i>Clarias gariepinus</i> . <i>Fish &amp; Shellfish Immunology</i> , 115 (124-133), ISSN: 1050-4648
4			Prakash, O., Malik, S., Rani, K. V., & Verma, V. K. (2020). Phytochemical screening and bioactive potential of pod seed extracts of <i>Leucaena leucocephala</i> linn. <i>Pharmacognosy Research</i> , 12(4). ISSN:0974-8490
5			Dr. Richa Misra
6		Dr. Namita Nayyar	Heeb, N. V., Hubeli, J., Fleischmann, T., Lienemann, P., Nayyar, N., Lal, R., & Kohler, H. E. (2021). Transformation of $\epsilon$ -HBCD with the <i>Sphingobium Indicum</i> enzymes LinA1, LinA2 and LinATM, a triple

			mutant of LinA2. <i>Chemosphere</i> , 267, 129217. ISSN: 0045-6535, <a href="https://doi.org/10.1016/j.chemosphere.2020.129217">https://doi.org/10.1016/j.chemosphere.2020.129217</a>
7		Dr. Mansi Verma	Gupta, V., Haider, S., Verma, M., Singhvi, N., Ponnusamy, K., Malik, M. Z., Verma, H., Kumar, R., Sood, U., Hira, P., Satija, S., Singh, Y., & Lal, R. (2021). Comparative Genomics and Integrated Network Approach Unveiled Undirected Phylogeny Patterns, Co-mutational Hot Spots, Functional Cross Talk, and Regulatory Interactions in SARS-CoV-2. <i>mSystems</i> , 6(1), e00030-21. ISSN: 2379-5077, <a href="https://doi.org/10.1128/mSystems.00030-21">https://doi.org/10.1128/mSystems.00030-21</a>
8		Dr. P. Jayaraj	Jayaraj, P., Srinivasan, V., Sharma, S., Banerjee, D., Ghosh, N., Singh, A., Madan, M. & Kant, N. (2021). A cost-effective set-up to demonstrate embryonic limb development in Aseel ( <i>Gallus gallus domesticus</i> ). <i>South Asian Journal of Experimental Biology</i> , 11(3), 260-265. ISSN: 2230-9799.
9	<b>Biochemistry</b>	Dr. Vandana Malhotra	Hariharan, V. N., Yadav, R., Thakur, C., Singh, A., Gopinathan, R., Singh, D. P., Sankhe, G., Malhotra, V., Chandra, N., Bhatt, A., & Saini, D. K. (2021). Cyclic di-GMP sensing histidine kinase PtdaS controls mycobacterial adaptation to carbon sources. <i>FASEB journal: official publication of the Federation of American Societies for Experimental Biology</i> , 35(4), e21475. ISSN:0892-6638, <a href="https://doi.org/10.1096/fj.202002537RR">https://doi.org/10.1096/fj.202002537RR</a>
10		Dr. Anju Kaicker	Mathur, P., Jawed ,S., Sharma, N. & Kaicker, A. (2021) Graduate Teaching Through SWAYAM: A Comprehensive Analysis. <i>International Journal of Computer Trends and Technology</i> , 69(3), 37-45.ISSN: 2349-0829, doi:10.14445/22312803/IJCTT-V69I3P108
11			Sharma N., Kansal A., Lakhanpal J., Bhasin A., Mathur P., Kapoor U., Gahlout A., Mirza A. & Kaicker A.(2020). Graduate Teaching During Covid-19 Induced Lockdown. <i>International Journal of Indian Psychology</i> , 8(3), 1496-1513. ISSN: 2348-5396, DOI: 10.25215/0803.153
12		Dr. Ravindra Varma Polisetty	Akhtar, J., Priya, R., Jain, V., Sakhuja, P., Agarwal, A. K., Goyal, S., Polisetty, R. V., Sirdeshmukh, R., Kar, S., & Gautam, P. (2020). Immunoproteomics approach revealed elevated autoantibody levels against ANXA1 in early stage gallbladder carcinoma. <i>BMC cancer</i> , 20(1), 1175. ISSN: 1471-2407, <a href="https://doi.org/10.1186/s12885-020-07676-6">https://doi.org/10.1186/s12885-020-07676-6</a>
13	<b>Botany</b>	Dr. Amit Vashishtha	Adeola, H. A., Bano, A., Vats, R., Vashishtha, A., Verma, D., Kaushik, D., Mittal, V., Rahman, M. H., Najda, A., Albadrani, G. M., Sayed, A. A., Farouk, S. M., Hassanein, E., Akhtar, M. F., Saleem, A., Abdel-Daim, M. M., & Bhardwaj, R. (2021). Bioactive compounds and their libraries: An insight into

			prospective phytotherapeutics approach for oral mucocutaneous cancers. <i>Biomedicine &amp; Pharmacotherapy</i> , 141, 111809. ISSN: 0753-3322, <a href="https://doi.org/10.1016/j.biopha.2021.111809">https://doi.org/10.1016/j.biopha.2021.111809</a>
14			Kaushik, S., Vashishtha, A., Shweta, S., Sharma, K. K., & Lakhanpaul, S. (2020). Essential amino acid profiling of the four lac hosts belonging to genus <i>Flemingia</i> : its implications on lac productivity. <i>Physiology and molecular biology of plants : an international journal of functional plant biology</i> , 26(9), 1867–1874. ISSN:0971-5894, <a href="https://doi.org/10.1007/s12298-020-00860-9">https://doi.org/10.1007/s12298-020-00860-9</a>
15	<b>Chemistry/ Zoology</b>	Dr. Sharda Pasricha, Prof. Vartika Mathur	Pasricha, S., Mathur, V., Garg, A., Lenka, S., Verma, K., & Agarwal, S. (2021). Molecular mechanisms underlying heavy metal uptake, translocation and tolerance in hyperaccumulators-an analysis: Heavy metal tolerance in hyperaccumulators. <i>Environmental Challenges</i> , 4, 100197. ISSN: 2667-0100, <a href="https://doi.org/10.1016/j.envc.2021.100197">https://doi.org/10.1016/j.envc.2021.100197</a>
16	<b>Chemistry</b>	Dr. Sharda Pasricha, Dr. Pragya Gahlot	Pasricha, S., Pragya Gahlot, P. (2021). An Insight into the Mechanism of Inhibition of $\alpha$ -Amylase by Copper Sulphate. How enzyme inhibition works? <i>Resonance – Journal of Science Education</i> , 27(1). ISSN:0973-712X.
17		Dr. Shefali Shukla, Dr. Shikha Gulati and Prof. Sanjay Kumar	Shukla, S., Sood, A. K., Goyal, K., Singh, A., Sharma, V., Guliya, N., Gulati, S., & Kumar, S. (2021). Chalcone Scaffolds as Anticancer Drugs: A Review on Molecular Insight in Action of Mechanisms and Anticancer Properties. <i>Anti-cancer agents in medicinal chemistry</i> , 21(13), 1650–1670. ISSN:1875-5992, <a href="https://doi.org/10.2174/1871520620999201124212840">https://doi.org/10.2174/1871520620999201124212840</a>
18		Dr. Shikha Gulati and Prof. Sanjay Kumar	Gulati, S., Singh, P., Diwan, A., Mongia, A., & Kumar, S. (2020). Functionalized gold nanoparticles: promising and efficient diagnostic and therapeutic tools for HIV/AIDS. <i>RSC Medicinal Chemistry</i> , 11(11), 1252-1266. ISSN:2632-8682.
19		Dr. Aditi Gupta	Singh, J.K., Chaurasia, B., Dubey, A., Faneite Noguera AM, Gupta, A., Kothari, R., Upadhyaya, C.P., Kumar, A., Hashem, A., Alqarawi, A.A., Abd Allah E.F. (2021). Biological Characterization and Instrumental Analytical Comparison of Two Biorefining Pretreatments for Water Hyacinth ( <i>Eichhornia crassipes</i> ) Biomass Hydrolysis. <i>Sustainability</i> , 13(1):245. ISSN:2071-1050, <a href="https://doi.org/10.3390/su13010245">https://doi.org/10.3390/su13010245</a>
20		Laishram Saya	Saya, L., Malik, V., Singh, A., Singh, S., Gambhir, G., Singh, W. R., Chandra, R., & Hooda, S. (2021). Guar gum based nanocomposites: Role in water purification through efficient removal of dyes and metal ions. <i>Carbohydrate polymers</i> , 261, 117851. ISSN:0144-8617, <a href="https://doi.org/10.1016/j.carbpol.2021.117851">https://doi.org/10.1016/j.carbpol.2021.117851</a>

21			Saya, L., Gautam, D., Malik, V., Singh, W. R., & Hooda, S. (2020). Natural polysaccharide based graphene oxide nanocomposites for removal of dyes from wastewater: a review. <i>Journal of Chemical &amp; Engineering Data</i> , 66(1), 11-37. ISSN:0021-9568, doi: 10.1021/acs.jced.0c00743
22			Gautam, D., Saya, L., & Hooda, S. (2020). Fe <sub>3</sub> O <sub>4</sub> loaded chitin—A promising nano adsorbent for Reactive Blue 13 dye. <i>Environmental Advances</i> , 2, 100014. ISSN: 2666-7657, <a href="https://doi.org/10.1016/j.envadv.2020.100014">https://doi.org/10.1016/j.envadv.2020.100014</a>
23		Dr. T. M. Rangarajan	Rangarajan, T. M., & Mathew, B. (2021). Recent Updates on Pyrazoline Derivatives as Promising Candidates for Neuropsychiatric and Neurodegenerative Disorders. <i>Current topics in medicinal chemistry</i> , 21(30), 2695–2714. ISSN:1873-4294, <a href="https://doi.org/10.2174/1568026621999210902123132">https://doi.org/10.2174/1568026621999210902123132</a>
24			Palakkathondi, A., Oh, J. M., Dev, S., Rangarajan, T. M., Kaipakasseri, S., Kavully, F. S., Gambacorta, N., Nicolotti, O., Kim, H., & Mathew, B. (2020). (Hetero-)(arylidene) arylhydrazides as Multitarget-Directed Monoamine Oxidase Inhibitors. <i>ACS Combinatorial Science</i> , 22(11), 592-599. ISSN: 2156-8944, DOI: 10.1021/acscombsci.0c00136
25		Dr. Manoj Trivedi	Trivedi, M., Kumar, A., Husain, A., & Rath, N. P. (2021). Copper(I) Complexes Containing PCP Ligand Catalyzed Hydrogenation of Carbon Dioxide to Formate under Ambient Conditions. <i>Inorganic Chemistry</i> , 60(7), 4385–4396. ISSN: 1520-510X, <a href="https://doi.org/10.1021/acs.inorgchem.0c01937">https://doi.org/10.1021/acs.inorgchem.0c01937</a>
26			Singh, A., Singh, A., Kociok-Köhn, G., Trivedi, M., Kumar, A. (2021). New mercury(II) halide complexes with neutral ferrocene functionalized thiazolidine-2-thiones: Crystallographic and computational analyses. <i>Applied Organometallic Chemistry</i> , 35 (9), e6299. ISSN: 1099-0739, <a href="https://doi.org/10.1002/aoc.6299">https://doi.org/10.1002/aoc.6299</a>
27			Chaudhary, K., Trivedi, M., Masram, D.T. and Rath, N.P. (2021). Transition Metal Complexes of Group 12 with 1,1'-Bis(phosphino)ferrocene Ligands. <i>Acta Crystallographica Section C: Structural Chemistry</i> , 77(5), 240-248. ISSN: 2053-2296, <a href="https://doi.org/10.1107/S2053229621004162">https://doi.org/10.1107/S2053229621004162</a>
28		Dr. Pooja	Pooja, Singh, D., Aggarwal, S., Singh, V. K., Pratap, R., Mishra, A. K., & Tiwari, A. K. (2021). Lanthanide (Ln <sup>3+</sup> ) complexes of bifunctional chelate: Synthesis, physicochemical study and interaction with human serum albumin (HSA). <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> , 244, 118808. ISSN: 1386-1425

29		Dr. Akansha Gupta, Dr. R.P.Singh	Bhawna, Choudhary AK, Gupta A, Kumar S, Kumar P, Singh RP, Singh P and Kumar V (2020) Synthesis, Antimicrobial Activity, and Photocatalytic Performance of Ce Doped SnO <sub>2</sub> Nanoparticles. <i>Front. Nanotechnol.</i> 2:595352. ISSN: 2673-3013, doi: 10.3389/fnano.2020.595352
30	<b>Physics</b>	Prof. K. Chandramani Singh	Chitra, Agarwal, S., Laishram, R., & Singh, K. C. (2020). Size-dependent structural and electrical properties of lead-free BCST ceramics prepared from high-energy ball milled nanopowders. <i>Materials Today Communications</i> , 25, 101400. ISSN: 2352-4928, <a href="https://doi.org/10.1016/j.mtcomm.2020.101400">https://doi.org/10.1016/j.mtcomm.2020.101400</a>
31		Dr. Manoj Giri	Bisht, B., Pant, S. & Giri, M. (2021). Static and dynamic fluorescence spectroscopic analyses of direct yellow 27—an azo dye. <i>Indian J Phys.</i> ISSN: 0973-1458, <a href="https://doi.org/10.1007/s12648-021-02040-1">https://doi.org/10.1007/s12648-021-02040-1</a>
32	<b>Commerce</b>	Simranjeet Kaur	Kaur, S. (2021). A Decade of Impact of Monetary Policy on Food Inflation: An Overview and Future Direction. <i>Vision: The Journal of Business Perspective</i> , ISSN: 0972-2629, <a href="https://doi.org/10.1177/09722629211015603">https://doi.org/10.1177/09722629211015603</a>
33	<b>Mathematics</b>	Prof. Swarn Singh	Singh, S., Bhatt, S., Singh, S. (2022). Cubic B-spline collocation method on a non-uniform mesh for solving nonlinear parabolic partial differential equation. <i>Computational Methods for Differential Equations</i> , 10(1), 28-43. ISSN: 2345-3982, doi: 10.22034/cmde.2020.39472.1726
34			Kumari, P., Singh, S. & Singh, H.P. (2021). Bifurcation and Stability Analysis of Glucose-Insulin Regulatory System in the Presence of $\beta$ -Cells. <i>Iran J Sci Technol Trans Sci</i> 45, 1743–1756. ISSN:2364-1819, <a href="https://doi.org/10.1007/s40995-021-01152-x">https://doi.org/10.1007/s40995-021-01152-x</a>
35			Singh, S., Singh, S., Bhatt,S. (2021). Optimal cubic spline method for convection diffusion method. <i>Journal of Mathematical and Computational Science</i> , 11(4), 4351-4368. ISSN:1927-5307
36			Kumari, P., Singh, H.P. & Singh, S. (2020). SEIAQRDT model for the spread of novel coronavirus (COVID-19): A case study in India. <i>Appl Intell</i> 51, 2818–2837. ISSN: 0924-669X, <a href="https://doi.org/10.1007/s10489-020-01929-4">https://doi.org/10.1007/s10489-020-01929-4</a>
37		Dr. Deepti Jain	Gupta,P., Jain, D. (2021). Graphoidally Independent Infinite Graphs. <i>AKCE International Journal of Graphs and Combinatorics</i> , 18(2), 95-100. ISSN:0972-8600, <a href="https://doi.org/10.1080/09728600.2021.1953946">https://doi.org/10.1080/09728600.2021.1953946</a>
38		Dr. Mohd. Aquib	Kazaz, M., Aslam, M., Aquib, M. (2021). Geometric inequalities for Statistical submanifolds in cosymplectic Statistical manifolds. <i>Kragujevac Journal of Mathematics</i> , ISSN:1450-9628

39		Dr. Nisha Bohra	Ahuja, O., Bohra, N., Cetinkaya, A., & Kumar, S. (2021). Univalent Functions Associated with the Symmetric Points and Cardioid-shaped Domain Involving (p, q)-calculus. <i>Kyungpook Mathematical Journal</i> , 61(1), 75-98. ISSN:0454-8124
40		Dr. R K Budhraj	Budhraj, R.K., Kumar, N. (2021). Alternative Techniques to Find Highest Common Factor and Least Common Multiple. <i>International Journal of Science and Research</i> , 10(2), 1579 - 1581. ISSN:2319-7064
41		Amit Kumar	Kumar, S., Kumar, A. & Kharbanda, H. (2021). Abundant exact closed-form solutions and solitonic structures for the double-chain deoxyribonucleic acid (DNA) model. <i>Brazilian Journal of Physics</i> , 51, 1043–1068. ISSN:1678-4448, <a href="https://doi.org/10.1007/s13538-021-00913-8">https://doi.org/10.1007/s13538-021-00913-8</a>
42			Kumar, S., Kumar, D., Kumar, A. (2020). Lie symmetry analysis for obtaining the abundant exact solutions, optimal system and dynamics of solitons for a higher-dimensional Fokas equation. <i>Chaos, Solitons &amp; Fractals</i> , 142, 110507. ISSN:0960-0779, <a href="https://doi.org/10.1016/j.chaos.2020.110507">https://doi.org/10.1016/j.chaos.2020.110507</a>
43			Kumar, S., Ma, W-X., Kumar, A. (2020). Lie symmetries, optimal system and group-invariant solutions of the (3+1)-dimensional generalized KP equation. <i>Chinese Journal of Physics</i> , 69, 1-23. ISSN:0577-9073, <a href="https://doi.org/10.1016/j.cjph.2020.11.013">https://doi.org/10.1016/j.cjph.2020.11.013</a>
44			Kumar, S., Kumar, A. & Wazwaz, AM. (2020). New exact solitary wave solutions of the strain wave equation in microstructured solids via the generalized exponential rational function method. <i>European Physical Journal</i> 135, 870. ISSN: 2190-5444, <a href="https://doi.org/10.1140/epjp/s13360-020-00883-x">https://doi.org/10.1140/epjp/s13360-020-00883-x</a>
45		Hari Singh	Singh, H., Srivastava, K., Kumar, S., Kanaujia, B.K. (2020). A Planar Dual-Band Antenna for ISM/Wearable Applications. <i>Wireless Pers Commun</i> , 118, 631–646, ISSN:1572-834X, <a href="https://doi.org/10.1007/s11277-020-08036-0">https://doi.org/10.1007/s11277-020-08036-0</a>
46			Singh, H., Kanaujia, B.K., Kumar, A., Srivastava, K., Kumar, S. (2020). Wideband textile multiple input-multiple-output antenna for industrial, scientific and medical (ISM)/wearable applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 30(12), ISSN:1099-047X, <a href="https://doi.org/10.1002/mmce.22451">https://doi.org/10.1002/mmce.22451</a>
47		Dr. Rakhi Narang	Dubey, A., Narang, R., Saxena, M., Gupta, M. (2021). Total ionizing dose effects in junctionless accumulation mode MOSFET. <i>Appl. Phys. A</i> 127, 189. ISSN: 1432-0630, <a href="https://doi.org/10.1007/s00339-021-04313-2">https://doi.org/10.1007/s00339-021-04313-2</a>

48			Dubey, A., Narang, R., Saxena, M., Gupta, M. (2020). Investigation of Single Event Transient Effects in Junctionless Accumulation Mode MOSFET, <i>IEEE Transactions on Device and Materials Reliability</i> , 20(3), 604-608, ISSN:1530-4388, doi: 10.1109/TDMR.2020.3014176.
49	<b>Statistics</b>	Prof. Veena Budhraja	Thapliyal, P., Budhraja, V. (2020). On the Construction of Trend Free Run Order of the Two-Level Factorial Design Using BIBD. <i>American Journal of Theoretical and Applied Statistics</i> . 9(6), 263-266. ISSN:2326-8999, doi: 10.11648/j.ajtas.20200906.11
50		Prof. Mukti Kant Sukla, Dr. Dipika	Dipika, Sukla, M.K., Misra, S. (2021). An Improved Estimation Procedure of Finite Population Mean using Information on Median of the Study Variable. <i>International Journal of Statistics and Systems</i> , 16(1), 17-36. ISSN:0973-2675
51	<b>Environmental Sciences</b>	Dr. Robin Suyesh	Narayanan, S., Suyesh, R., Das, S. (2021). On the status and validity of the recently described <i>Raorchestes kollimalai</i> Gowande, Ganesh & Mirza 2020 (Amphibia: Anura: Rhacophoridae). <i>Zootaxa</i> , 4970(3), 597-600. ISSN:1175-5326, <a href="https://doi.org/10.11646/zootaxa.4970.3.12">https://doi.org/10.11646/zootaxa.4970.3.12</a>
52			Garg, S., Suyesh, R., Das, S., Bee, M.A., Biju, S.D. (2021). An integrative approach to infer systematic relationships and define species groups in the shrub frog genus <i>Raorchestes</i> , with description of five new species from the Western Ghats, India. <i>PeerJ</i> , 9:e10791. ISSN:2167-8359, <a href="https://doi.org/10.7717/peerj.10791">https://doi.org/10.7717/peerj.10791</a>
53			Bedi, A., Vijay Bedi, V., Nag, S., Suyesh, R. (2021). Wild observations of the reproductive behaviour and first evidence of vocalization in Crocodile newt <i>Tylototriton himalayanus</i> (Caudata: Salamandridae) from the Himalayan biodiversity hotspot in Eastern India. <i>Salamandra</i> , 57(1): 65-74. ISSN:0036-3375
54		Dr. Abhishek Chandra	Chandra, A., Pardha-Saradhi, P., Maikhuri, R.K., Saxena, K.G., Rao, K.S. (2021). Impact of farm yard manure on cropping cycle in a rainfed agroecosystem of Central Himalaya. <i>Vegetos</i> , 34, 249-262. ISSN : 2229-4473, <a href="https://doi.org/10.1007/s42535-020-00167-w">https://doi.org/10.1007/s42535-020-00167-w</a>
55	<b>Economics</b>	Aruna Rao	Rao, A., & Saksena, S. (2021). Wildlife tourism and local communities: Evidence from India. <i>Annals of Tourism Research Empirical Insights</i> , 2(1), 100016. ISSN:2666-9579, <a href="https://doi.org/10.1016/j.annale.2021.100016">https://doi.org/10.1016/j.annale.2021.100016</a>
56		Amit Kumar Jha	Jha, A. K., & Rajan, P. (2021). Movie piracy: Displacement and its impact on legitimate sales in India. <i>The Journal of World Intellectual Property</i> , 24(3-4), 237-252. ISSN:1422-2213, <a href="https://doi.org/10.1111/jwip.12190">https://doi.org/10.1111/jwip.12190</a>

57			Jha, A. K. (2020). Understanding piracy at the University Level. <i>International Journal of Social Science and Economic Research</i> . 11 (6), ISSN:2455-8834
58		Shailaja S Thakur	Thakur, S.S., Ray, A. (2020). Dynamism and performance of indigenous entrepreneurs: role of tribal culture and failure of policy incentives in Mizoram (India). <i>International Journal of Entrepreneurship and Small Business</i> , 41(1), ISSN: DOI: 10.1504/IJESB.2020.109435
59	<b>Sociology</b>	Prof. Nabanipa Bhattacharjee	Bhattacharjee, N. (2020). An Affair to Remember. <i>The Book Review Literary Trust</i> . 44(10), ISSN:0970-4175
60			Bhattacharjee, N., & Goel, S. (2020). Can We Hear Manu (Gandhi) Speak?: Manu Gandhi, The Diary of Manu Gandhi, 1943–1944. Edited and translated by Tridip Suhrud, New Delhi: Oxford University Press, 2019. <i>Journal of Human Values</i> , 26(3), 277–284. ISSN:0971-6858, <a href="https://doi.org/10.1177/0971685820941988">https://doi.org/10.1177/0971685820941988</a>
61	<b>Political Science</b>	Dr. Deepika Singh	Singh, D. (2020). Bru Accord: Political Settlement or Surrender to Religious Intolerance? <i>Dialogue</i> , 22(1), ISSN:0973-0095
62		Dr. Santosh Kumar Singh	Singh, S. K. (2021). Book review: Nicholas Rush Smith, Contradictions of Democracy: Vigilantism and Rights in Post-Apartheid South Africa. <i>Insight on Africa</i> , 13(1), 114–116, ISSN:0975-0878, <a href="https://doi.org/10.1177/0975087820965159">https://doi.org/10.1177/0975087820965159</a>
63	<b>English</b>	Prof. Meenakshi Bharat	Bharat, M. (2020). Going global: Filmic appropriation of Jane Austen in India. 18(2), 109-121. <i>South Asian Popular Culture</i> , ISSN:1474-6689, <a href="https://doi.org/10.1080/14746689.2020.1774839">https://doi.org/10.1080/14746689.2020.1774839</a>
64		Ms. Ankita Kaushik	Kaushik, A. (2021) Beyond the Creed of Identity: Articulating Cosmopolitanism and Nationalism in Urban Spaces. <i>Inclusive, International Journal of KCCS</i> . ISSN:2278-9758
65	<b>Hindi</b>	Prof. Richa Mishra	Mishra, R. (2021). Japan mein Hindi. <i>Madhumati</i> , 61(1), 75. ISSN:2321-5569.
66			Mishra, R. (2021). Tulsi sahitya aur videshi rachanakar. <i>Akshara</i> , 191, 35. ISSN:2456-7167
67			Mishra, R. (2021). Sajhi Sanskriti ki samridh dharohar Japan. <i>Sahitya Amrit</i> , 26, 58. ISSN:2455-1171
68			Mishra, R. (2021). Phaneeshwar nath Renu ke sahitya ki prasangikta. <i>Vishwa Bharti Patrika</i> , 78, 54. ISSN:2348-4977
69			Mishra, R. (2021). Rus tatha purv Soviet ganarajyon mein Hindi. <i>Rajbhasha Bharti</i> , 42(159), 73. ISSN:0970-9398
70		Dr. Ram Kishore Yadav	Yadav, R.K. (2021). Lok Sahitya me manviya mulya ke vividh roop. <i>Vaaksudha</i> , 7(27), 95. ISSN:2347-6605.



71			Yadav, R.K. (2020). Media ka badalta swaroop. <i>Vaaksudha</i> , 7(25), 14. ISSN: 2347-6605.
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### Books / Chapters/ e-modules/ e-Lessons (2020-2021)

S.No	Department	Name of the Faculty	Details of published Books / Chapters/ e-Modules/ e-Lessons
1.	Zoology	Prof. Vartika Mathur	Book: Mathur, V. (Editor). Air Pollution and Public Health: Challenges and Interventions, 2021, ISBN: 978-93-90951-00-0, Allied Publishers Pvt. Ltd.
2.			Book Chapter: Verma, K., Mathur, V. Effect of air polycyclic aromatic hydrocarbons in food chain: direct and indirect exposure In Air Pollution and Public Health: Challenges and Interventions Eds. Nour Shafik El-Gendy and Vartika Mathur, 2021, ISBN: 978-93-90951-00-0, Allied Publishers Pvt. Ltd.
3.			Book Chapter: Vartika Mathur, Endosymbionts of Plants and Marine organisms: A Search for Lung Cancer Drug in Drug development from Natural resources: Scope and challenges Ed. Madhunapantula S.V (2020). Pp. 18-36, ISBN: 978-93-89934-15-1, Allied Publishers Pvt. Ltd., NAM S&T Centre, New Delhi, India
4.		Dr. Rajendra Phartyal Dr. Mansi Verma	Phartyal R., Verma M. (2021) SARS-CoV-2 Mutations: An Insight. In: Ahmad S.I. (eds) Human Viruses: Diseases, Treatments and Vaccines. Springer, Cham. ISBN: 978-3-030-71165-8, <a href="https://doi.org/10.1007/978-3-030-71165-8_25">https://doi.org/10.1007/978-3-030-71165-8_25</a>
5.			Book Chapter: Verma M., Phartyal R., Bhatt A. (2021) Introduction to Flaviviruses and Their Global Prevalence. In: Ahmad S.I. (eds) Human Viruses: Diseases, Treatments and Vaccines. Springer, Cham. ISBN: 978-3-030-71164-1, <a href="https://doi.org/10.1007/978-3-030-71165-8_19">https://doi.org/10.1007/978-3-030-71165-8_19</a>
6.		Dr. P. Jayaraj	Conference Proceeding: Visualization of apoptosis and endochondral ossification during embryonic development of Aseel in a cost effective set-up. Proceedings of International

			Conference on Innovations in Biotechnology and Life Sciences ICIBLS 2020, Insha Publications, ISBN: 978-93-88647-32-8
7.			Conference Proceeding: Immunohistochemical analysis of Telomerase reverse transcriptase (TERT) in conjunctival melanoma using Trichloroacetic acid (TCCA) solution as a bleaching agent, Proceedings of International Conference on Innovations in Biotechnology and Life Sciences ICIBLS 2020, Insha Publications, ISBN: 978-93-88647-32-8
8.			Conference Proceeding: Utility of TCCA solution as a bleaching agent for assessment of conjunctival melanoma: an immunohistochemical approach to detect tert immunoreactivity, Proceedings of Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases, 2020, Pawan Prakashan, ISBN: 8190-1856-91
9.			Conference Proceeding: Preliminary phytochemical screening, estimation of total phenol analysis of human TERT expression in squamous cell carcinoma of the skin: its implication in tumor metastasis and differentiation, Proceedings of Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases, 2020, Pawan Prakashan, ISBN: 8190-1856-91
10.			Conference Proceeding: Study of early stages of osteogenesis in Aseel using cost effective and reproducible set-up at undergraduate level, Proceedings of Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases, 2020, Pawan Prakashan, ISBN: 8190-1856-91
11.			Conference Proceeding: Evaluation of Telomerase Reverse Transcriptase (TERT) Expression In Squamous Cell Carcinoma (SCC) Of The Skin”, Proceedings of International Conference on Innovations in Biotechnology and Life Sciences ICIBLS 2020, Insha Publications, ISBN: 978-93-88647-32-8
12.	<b>Biochemistry / Zoology</b>	Dr. Shalini Sen, Dr. Vandana Malhotra, Dr. Rajendra Phartyal, Dr. Nimisha Sinha	Hindi translation of the e-book "The Pandemic Notebook" published by The Hindu in 2020 with the title "Mahamari Margdrashika"

13.	<b>Biochemistry</b>	Dr. Sarika Yadav	Book chapter: Viral movement-cellular protein interaction In Plant Virus-Host Interaction (Second Edition) Molecular Approaches and Viral Evolution. 2021, Pages 59-109; Eds. Rajarshi Kumar Gaur, S.M. Paul Khurana, Pradeep Sharma, Thomas Hohn, ISBN:978-0-12-821629-3, Elsevier Inc. <a href="https://doi.org/10.1016/B978-0-12-821629-3.00013-0">https://doi.org/10.1016/B978-0-12-821629-3.00013-0</a>
14.	<b>Commerce</b>	Dr. Shruti Mathur	Book: Mathur,S. (Author), Management: Principles and Applications, 2020, ISBN: 978-93-82209-60-7, Scholar Tech Press
15.			Book: Mathur, S. (Editor), E-Commerce, 2020, ISBN: 978-93-838-65-2, Pinnacle Learning
16.			Book Chapter: Mathur, S. (2020) Website Designing (Chapter 3) in E-Commerce (Ed) Shruti Mathur, ISBN: 978-93-838-65-2, Pinnacle Learning (India)
17.		Dr. Pooja Jain	Book Chapter: Jain, P. (2020) Introduction to E-Commerce (Chapter 1) in E-Commerce (Ed) Shruti Mathur, ISBN: 978-93-838-65-2, Pinnacle Learning (India)
18.			Book Chapter: Jain, P. (2020) Security & Encryption (Chapter 5) in E-Commerce (Ed) Shruti Mathur, ISBN: 978-93-838-65-2, Pinnacle Learning (India)
19.	<b>Chemistry</b>	Dr. Rekha Yadav	Book chapter: Yadav R., Singh A.K. (2021) Recent Developments on Clean Fuels over SAPO-Type Catalysts. In: Pant K.K., Gupta S.K., Ahmad E. (eds) Catalysis for Clean Energy and Environmental Sustainability. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-65021-6_16">https://doi.org/10.1007/978-3-030-65021-6_16</a> , ISBN: 978-3-030-65021-6
20.		Dr. Akanksha Gupta	Book chapter: Gupta A., Kumar V., Ahmed S., Gautam S. (2020) Impact of Nanotechnology in the Development of Smart Cities. In: Ahmed S., Abbas S., Zia H. (eds) Smart Cities-Opportunities and Challenges. Lecture Notes in Civil Engineering, vol 58. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-15-2545-2_68">https://doi.org/10.1007/978-981-15-2545-2_68</a> , ISBN: 978-981-15-2545-2
21.		Dr. Vinita Kapoor	E-resource: Kapoor, V. (2021) Perform a conductometric titration of strong acid vs. strong base and determine the strength of given acid solution, Teacher's e-Kit (e-content in Four Quadrants Format) in Chemistry at GAD-TLC of MHRD under the PMMMMNTT, INDIA at SGTB Khalsa College, University of Delhi, Delhi, India

22.	<b>Botany</b>	Dr. Pooja Gokhale Sinha	Book chapter: Sinha, P.G. (2021) Carbon Footprint: Sector-wise Emission Analysis of Urban Youth In Air Pollution and Public Health: Challenges, Interventions and Sustainable Solutions Eds. Nour Shafik El-Gendy and Vartika Mathur, ISBN: 978-93-90951-00-0, Allied Publishers Pvt. Ltd.
23.		Dr. Sunita Yadav	Book chapter: Manjeet K., Yadav S. (2021) Role of Mapks During Plant-Insect Interaction. In: Singh I.K., Singh A. (eds) Plant-Pest Interactions: From Molecular Mechanisms to Chemical Ecology. Springer, Singapore. ISBN: 978-981-15-2467-7, <a href="https://doi.org/10.1007/978-981-15-2467-7_5">https://doi.org/10.1007/978-981-15-2467-7_5</a>
24.	<b>Electronics</b>	Dr. Lalita Josyula	Book chapter: Joysula, L. (2021) Air Pollution Mitigation using Artificial Intelligence: A review In Air Pollution and Public Health: Challenges and Interventions Eds. Nour Shafik El-Gendy and Vartika Mathur, ISBN: 978-93-90951-00-0, Allied Publishers Pvt. Ltd.
25.		Dr. Nutan Kala Joshi	Book: Joshi, N.K. (Author), Nagpal, S. (2021) Basic Electronics with Simulations and Experiments, ISBN: 978-81-952075-5-8, Khanna Publishers
26.	<b>Physics</b>	Prof. K Chandramani Singh	Conference Proceedings: Chitra and Singh, K.C., (2020).High Energy Ball Milling Effect on Electrical Properties of Lead Free BCST Piezoceramics, AIP Conference Proceedings (American Institute of Physics), <a href="https://doi.org/10.1063/5.0017128">https://doi.org/10.1063/5.0017128</a> , ISSN: 0094-243X
27.	<b>Sociology</b>	Dr. Abhijit Kundu and Dr. Nupurnima Yadav	Book: Kundu, A. and Yadav, N. (2021) Sociology of India, ISBN: 978-93-53887650, Sage Publications
28.	<b>Political Science</b>	Dr. Santosh Kumar Singh	Book chapter: Singh, S.K. (2021) A Study of Pravasi Bharatiya Divas (PBD) to Engage Indian Diaspora: Problems and Prospects In END OF INDENTURE An Agonising Journey To Freedom Eds. Narayan Kumar , Dr. Ruchi Verma , Amb. Anup Mudgal, ISBN: 978-8184305807, Prabhat Prakashan
29.			E-chapter: Singh, S.K. (2021), Unit 1: Forms of Government: Unitary and Federal, for BA (H) Political Science paper Political Processes and Institutions in Comparative Perspective, School of Open Learning
30.		Dr. Vikash Kumar	Book chapter: Kumar, V. (2021) Bharat aur Bhutan Sambandh: Ranniteek Priprekeshya in Bharat aur Antrashtriya sambandh, ISBN: 978-81-7479-234-1, Kaveri Publications

<b>31.</b>	<b>Economics</b>	Dr. Krishnakumar S	Krishnakumar S (2021) Foreign Exchange reserves surpass \$600 bn; what does it mean to Indian economy? In <a href="http://policycircle.org">policycircle.org</a>
<b>32.</b>			Krishnakumar S (2021) Kerala Budget 2021: A document with the Thomas Isaac touch in <a href="http://policycircle.org">policycircle.org</a>
<b>33.</b>			Krishnakumar S (2021) G7 corporate tax accord, a ray of hope for cash-strapped nations in The American Bazaar online
<b>34.</b>	<b>History</b>	Prof. Nirmal Kumar	Book chapter: Kumar, N. (2020) My Journey: Unfinished, unending In Social Scientist in South Asia: Personal narratives, Social Forces and Negotiations, Eds. Achla Pritam Tandon, Gopi Devdutt Tripathy, Rashi Bhargava, ISBN: 978-10-32045-92-4, Imprint Routledge India
<b>35.</b>		Dr. Ningmuan Ching	Book chapter: Ningmuan Ching (2020) Fixing Mobile Populations: Changing Identities in Unequal Land Relations in North East India: Custom, Gender and the Market, Erik De Maaker and Meenal Tula (Eds), ISBN:978-81-943578-5-8, North Eastern Social Research Centre, Guwahati
<b>36.</b>	<b>Hindi</b>	Dr. Jitendra Veer Kalra	Book Translation: Kalra, J.V.(2021) Swarnim Bharat ke Disha Sootra (Translated), ISBN: 978-93-90378-11-1, Prabhat Prakashan