2021-22							
S. No.	**Title of paper**	**Name of the author/s**	**Department of the teacher**	**Name of journal**	**Year of publication**	**ISSN number**	**Link to article**
1	Silencing of an ubiquitin ligase increases grain width and weight in indica rice	Verma, A., **Prakash, G.,** Ranjan, R., Tyagi, A. K., & Agarwal, P.	Botany	*Frontiers in Genetics*	2021	1664-8021	https://doi.org/10.3389/fgene.2020.600378
2	N-Nitrosomelatonin, an efficient nitric oxide donor and transporter in Arabidopsis seedlings.	**Singh N**, Jain P, Gupta S, Khurana JM and Bhatla SC	Botany	*Nitric Oxide*	2021	1089-8603	https://doi.org/10.1016/j.niox.2021.05.001
3	Signaling mechanisms and biochemical pathways regulating pollen-stigma interaction, seed development and seedling growth in sunflower under salt stress.	Bhatla SC, Gogna M, Jain P, **Singh N**, Mukherjee S and Kalra G.	Botany	*Plant Signaling and Behavior*	2021	1559-2324	https://doi.org/10.1080/15592324.2021.1958129
4	Harnessing phytomicrobiome signals for phytopathogenic stress management	Akanksha Sharma, Meenakshi Raina, Deepak Kumar, Archana Singh, Samira Chugh, Shalu Jain, Manoj Kumar and **Anjana Rustagi**	Botany	*Journal of Biosciences*	2022	0250-5991 (print); 0973-7138 (web)	https://doi.org/10.1007/s12038-021-00240-9
5	Synthesis and Characterization of Silver Nanoparticles using Leaf Extracts of Medicinal plants and its Impact on Anabaena doliolum.	Zabin, D., Shekher, A., Yadav, M., **Soni, R.**, and **Singh, G**.	Botany	*Journal of Scientific Research*	2022	0447-9483	https://doi.org/10.37398/JSR.2022.660123
6	Synthesis, in silico pharmacokinetic analysis and anticancer activity evaluation of benzothiazole-triazole hybrids.	Shristi Rawat, Diwan S Rawat, **Beena Negi**	Chemistry	Indian Journal of Chemistry- Section B (IJC-B)	2021	0975-0983(Online); 0376-4699(Print)	http://nopr.niscpr.res.in/handle/123456789/56391
7	'School Education in NEP 2020: The Underlying Framework'	**Raina, Jyoti**	Elementary Education	*Economic and Political Weekly*	2021	2349-8846 (Online); 0012-	Not available
8	In Conversation with Sophie Hannah	Dev, **Anjana Neira**	English	*The Book Review*	2021	0970-4175	Not available
9	Current approaches in CRISPR-Cas9 mediated gene editing for biomedical and therapeutic applications	Bhattacharjee, G., Gohil, N., Khambhati, K., Mani, I., Maurya, R., Karapurkar, J.K., Gohil, J., Chu Dinh-Toi., Hue, V.T., Alzahrani, K.J., Show, P.L., Rawal, R.M., Ramakrishna, S., and Singh, V	Microbiology	Journal of Controlled Release	2022	0168-3659/ 18734995, 01683659	http://doi.org/10.1016/j.jconrel.2022.02.005
10	Epitranscriptomic approach: To improve the efficacy of ICB therapy by co-targeting intracellular checkpoint CISH	Kumar, S., Sarthi, P., Mani, I., Ashraf, M.U., Kang, M.H., Kumar, V. and Bae, Y.S	Microbiology	*Cells*	2021	2073-4409	http://doi.org/10.3390/cells10092250
11	Comparative Analysis of Susceptibility and Severity of COVID-19 in Countries from the Eastern and the Western World till March	Chawla, S., Chawla, S	Microbiology	*Microbiology Insights*	2021	1178-6361	http://doi.org/10.1177/11786361211041367
12	Lattice vibrations of the Ruddlesden-Popper compounds barium orthorhodate, barium orthoiridate, barium orthoplumbate, and barium orthostannate in tetragonal phase	Neenu Saini, Ruby Jindal and **Archana Tripathi**	Physics	*Spectroscopy Letters*	2022	1532-2289	https://doi.org/10.1080/00387010.2022.2030363
13	Study of lattice dynamics of Ruddlesden-Popper compounds Sr2RuO4 and Sr2TcO4	Neenu Saini, Ruby Jindal and **Archana Tripathi**	Physics	*Indian Journal of Physics*	2022	0974-9845 (web); 0973-1458 (print)	https://doi.org/10.1007/s12648-021-02241-8
14	A lattice dynamical investigation of the Raman and the infrared wave numbers of Ruddlesden-Popper compound Sr2TiO4	Neenu Saini, Ruby Jindal and **Archana Tripathi**	Physics	*AIP Conference Proceedings*	2021	0094-243X (print); 1551-7616 (web)	https://doi.org/10.1063/5.0052397
15	First principle investigations of half metallicity in Heusler compounds with X2TiZ (X = V, Cr, Mn, Fe, Co, and Ni; Z = Si, Ge)	**Archana Tripathi**, Ananya Shankar, Preetisha Goswami	Physics	*AIP Conference Proceedings*	2021	0094-243X (print); 1551-7616 (web)	https://doi.org/10.1063/5.0052490
16	A normal coordinate analysis of Sr2BO4 crystals (B = Ti, V, and Mn)	Neenu Saini, Ruby Jindal and **Archana Tripathi**	Physics	*Materials Today: Proceedings*	2021	2214-7853	https://doi.org/10.1016/j.matpr.2021.06.015
17	Magnetoplasmonics in Au-Nanostructures	**Hira Joshi**	Physics	*Materials Today: Proceedings*	2021	2214-7853	https://doi.org/10.1016/j.matpr.2021.07.197
18	Gender differences in factors that facilitate successful therapeutic progress and outcome: A pilot study.	Saachi Arora and **Sangeeta Bhatia**	Psychology	*Counselling and Psychotherapy Research*	2022	1746-1405	https://doi.org/10.1002/capr.12564
19	Effect of Campus Environment on College Students' Spiritual Health	**Preeti Pant**	Psychology	*Journal of the Indian Academy of Applied Psychology*	2022	0019-4247	Not available
20	Bacterial toxin-antitoxin modules: classification, functions, and association with persistence	Singh, G., Yadav, M., **Ghosh, C.**, & Rathore, J. S.	Zoology	*Current Research in Microbial Sciences*	2021	2666-5174	https://doi.org/10.1016/j.crmicr.2021.100047
21	Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences	Dhingra, G. G., Saxena, A., Nigam, A., Hira, P., Singhvi, N., Anand, S., **Kaur, J.**, & Lal, R	Zoology	*Indian Journal of Microbiology*	2021	00468991, 09737715	https://doi.org/10.1007/s12088-021-00931-9
22	The Alphabet of the Elementary Microbiology: Revisited	Anand, S., Lal, S., Sood, U., Gupta, V., Dhingra, G. G., Solanki, R., **Kaur, J.**, & Kalia, V. C.	Zoology	*Indian Journal of Microbiology*	2021	00468991, 09737715	https://doi.org/10.1007/s12088-021-00987-7
23	The rising dominance of microbiology: what to expect in the next 15 years?	Kumar, R., Sood, U., **Kaur, J.**, Anand, S., Gupta, V., Patil, K. S., & Lal, R	Zoology	*Microbial Biotechnology*	2022	17517915, 17517907	https://doi.org/10.1111/1751-7915.13953
24	Production and applications of pectinases: a review	Prabhleen Kaur, Niti Yadav, Pallavi Singh, Himani Chawla, Seema Kalra, **Madhu Yashpal** and **Kuntal Kalra**	Zoology	*International Journal of Pharmaceutical Sciences and Research*	2021	0975-8232	http://dx.doi.org/10.13040/IJPSR.0975-8232
25	Exploiting biowaste hydrolysis for biowaste management and biopolymer production: parameter optimisation and bioprocess modelling	**Tyagi S, Singh M**, Singh GP, Afreen R, Kaushik N, Pruthi A, Kaur D, Chosnit D, Tyagi S	Zoology	*Journal of Environment and Bio-Sciences*	2021	0976-3384	Not available
26	Enhanced in vitro antibacterial activity of ZnO and Mn-Mg co-doped ZnO nanoparticles: Investigation of synthesis, characterization, and impact of dopant	Devi, K.R., Chandrasekar, L.B., Kasirajan, K., Karunakaran, M., **Gnaneswari, M.D.**, &Usha, S.	Zoology	*Applied Physics A: Material Science and Processing*	2021	1432-0630	https://doi.org/10.1007/s00339-022-05502-3
27	Evaluation of TiO2 Nanoparticles' Physicochemical Parameters Associated with their Toxicity Towards Bacteria	**Sharma, P.**, Kumari, R., Yadav, M., & Lal., R	Zoology	*Indian Journal of Microbiology*	2022	00468991, 09737715	https://doi.org/10.1007/s12088-022-01018-9

28	Enhancing Antibacterial Properties of Bacteriocins Using Combination Therapy.	**Sharma, P.**, & Yadav, M.	Zoology	*Journal of Applied Biology & Biotechnology*	2022	2347-212X	https://doi.org/10.7324/JABB.2023.110206
29	In silico analysis of Off-Target Effects of Ivermectin Drug	Walia, S., & **Sharma, P**	Zoology	*Biosciences Biotechnology Research Asia*	2022	0973-1245	http://dx.doi.org/10.13005/bbra/2970
30	Plant-derived Molecules for the Treatment of Tuberculosis: A Review	Yadav, M. & **Sharma, P**	Zoology	*Iraqi Journal of Pharmaceutical Sciences*	2022	2521 - 3512	https://doi.org/10.31351/vol31iss2pp1-13
31	Toxicity Assessment of Titanium Dioxide Nanoparticles in E. coli Mutant with Truncated Lipopolysaccharide (LPS).	**Sharma, P**	Zoology	*Trends in Sciences*	2022	2774-0226	https://doi.org/10.48048/tis.2022.5696
32	Modeling of second-line drug behavior in the treatment of tuberculosis using Petri net. International Journal of System Assurance Engineering and Management	Madhuri Jha, Mamtesh Singh, Gajendra Pratap Singh	Zoology	International Journal of System Assurance Engineering and Management	2021	09764348, 09756809	https://doi.org/10.1007/s13198-021-01320-7
33	Dietary antioxidants and their potential role in human disease management.	Rashmi Saini, Himaani Mehra, Tanisha Goyal and Neena K Dhiman	Zoology	*Current Research in Food Science*	2022	2665-9271	https://doi.org/10.2174/1573401318666220520151057
34	Natural Anti-Inflammatory and Anti-Allergy Agents: Herbs and Botanical Ingredients	Neena K Dhiman and Rashmi Saini	Zoology	*Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry* ,	2022	18715230	https://doi.org/10.2174/1871523021666220411111743
	Protocol for *in-vitro* purification and refolding of hexachlorocyclohexane degrading enzyme haloalkane dehalogenase *Lin* B from inclusion bodies.	Kaur, J., Singh, A., Panda, A.K., Lal, R.	Zoology	*Enzyme and Microbial Technology*	2021	18790909, 01410229	https://doi.org/10.1016/j.enzmictec.2021.109760