

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

3.3.1 Number of research papers published per teacher in the Journals notified							Link to the recognition in UGC		
S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
1	Acquisition and Homeostasis of Iron in Higher Plants and Their Probable Role in Abiotic Stress Tolerance	Tripathi, D.K., Singh, S., Gaur, S., Singh, S., Yadav, V., Liu, S., Singh, V.P., Sharma, S., Srivastava, P., Prasad, S.M., Dubey, N.K., Chauhan, D.K., Sahi, S	Botany	Frontiers in Environmental Science	2018	2296-665X	<a href="https://www.frontiersin.org/journals/environmental-science">https://www.frontiersin.org/journals/environmental-science</a>	<a href="https://www.frontiersin.org/articles/10.3389/fenvs.2017.00086/full">https://www.frontiersin.org/articles/10.3389/fenvs.2017.00086/full</a>	Yes
2	An investigation on involvement of the ascorbate-glutathione cycle in modulating NaCl toxicity in two cyanobacteria photoacclimatized to different photosynthetic active radiation	Kumar, J., Singh, V.P., Prasad, S.M	Botany	Algal Research	2018	2211-9264	<a href="https://www.sciencedirect.com/journal/algal-research">https://www.sciencedirect.com/journal/algal-research</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2211926416304945">https://www.sciencedirect.com/science/article/abs/pii/S2211926416304945</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

3	Kinetin regulates UV- B- induced damages on growth, photosystem II photochemistry and nitrogen metabolism in tomato seedlings	Bashri, G., Singh, M., Mishra, R.K., Kumar, J., Singh, V.P., Prasad, S.M	Botany	Journal of Plant Growth Regulation	2018	0721-7595	<a href="https://www.springer.com/journal/344">https://www.springer.com/journal/344</a>	<a href="https://link.springer.com/article/10.1007/s00344-017-9721-7">https://link.springer.com/article/10.1007/s00344-017-9721-7</a>	Yes
4	Facile aerobic oxidative synthesis of sulfinic esters	Pravin K. Singh, Praveen P. Singh and <b>Vishal Srivastava</b>	Chemistry	Croat. Chem. Acta	2018	0011-1643	<a href="https://pubweb.carnet.hr/ccacaa/">https://pubweb.carnet.hr/ccacaa/</a>	10.5562/cca3401	Yes
5	Photoredox catalyzed synthesis of amino alcohol	<b>Vishal Srivastava</b> , Pravin K. Singh, Sudhanshu Kanaujia and Praveen P. Singh	Chemistry	New J. Chem	2018	1144-0546	<a href="https://www.rsc.org/journals-books-databases/about-journals/njc/">https://www.rsc.org/journals-books-databases/about-journals/njc/</a>	10.1039/c7nj03068a	Yes
6	Synthesis and crystal structure of quinolinium salt: Assignment on nonsteroidal anti-inflammatory activity and DNA cleavage activity	Praveen Singh, <b>Ranjeet Kumar</b> , Ajeet K. Singh, Priyanka Yadav. Ranjana S. Khanna, Manjula Vinayak, Ashish Kumar Tewari	Chemistry	Journal of Molecular Structure	2018	1872-8014	<a href="https://www.sciencedirect.com/journal/journal-of-molecular-structure">https://www.sciencedirect.com/journal/journal-of-molecular-structure</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022286018302692">https://www.sciencedirect.com/science/article/abs/pii/S0022286018302692</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

7	Facile aerobic oxidative synthesis of sulfinic esters	<b>Pravin K. Singh,</b> Praveen P. Singh and Vishal Srivastava	Chemistry	Croat. Chem. Acta	<b>2018</b>	0011-1643	<a href="https://pubweb.carnet.hr/ccacaa/">https://pubweb.carnet.hr/ccacaa/</a>	10.5562/cca3401	Yes
8	Photoredox catalyzed synthesis of amino alcohol	Vishal Srivastava, <b>Pravin K. Singh,</b> Sudhanshu Kanaujia and Praveen P. Singh	Chemistry	New J. Chem	<b>2018</b>	1144-0546	<a href="https://www.rsc.org/journals-books-databases/about-journals/njc/">https://www.rsc.org/journals-books-databases/about-journals/njc/</a>	10.1039/c7nj03068a	Yes
9	Crystal structure of 4-[(3-methoxy-2-oxidobenzylidene)azaniumyl]benzoic acid methanol monosolvate	Md. S. H. Faizi, S. Kamaal, <b>Akram Ali,</b> M. Ahmad, T. Iskenderov	Chemistry	<i>Acta Cryst</i>	<b>2018</b>	20569890	<a href="https://journals.iucr.org/e/">https://journals.iucr.org/e/</a>	<a href="https://doi.org/10.1107/S2056989018016262">10.1107/S2056989018016262</a>	Yes
10	Performance of chitosan based polymer electrolyte for natural dye sensitized solar cell	Priyanka Chawla, Arti Srivastava and <b>Mridula Tripathi</b>	Chemistry	Environmental Progress & Sustainable Energy	<b>2018</b>	1944-7442	<a href="https://aiche.onlinelibrary.wiley.com/journal/10.1002/ep.12965">https://aiche.onlinelibrary.wiley.com/journal/10.1002/ep.12965</a>	<a href="https://doi.org/10.1002/ep.12965">https://doi.org/10.1002/ep.12965</a>	Yes
11	Dielectric studies of [PEO: CH <sub>3</sub> COOLi] graphite system synthesized by hot press and solution cast	Priyanka Chawla, Shivangi Trivedi, Kamlesh Pandey and <b>Mridula Tripathi</b>	Chemistry	Proceedings of national academy of sciences Indian Section A: Physical Sciences	<b>2018</b>	0369-8203	<a href="https://link.springer.com/article/">https://link.springer.com/article/</a>	<a href="https://doi.org/10.1007/s40010-017-0424-z">https://doi.org/10.1007/s40010-017-0424-z</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

12	Foreign Institutional Investor and External Sector Challenges for Indian Economy	Dr. Aditi Pandey	Economics	The Journal of Institute of Public Enterprise	2018	0971-1864	<a href="https://www.ipeindia.org/the-journal-of-institute-of-public-enterprise/">https://www.ipeindia.org/the-journal-of-institute-of-public-enterprise/</a>		Yes
13	Determinants of Non-Performing Loans in India: A System GMM Panel Approach	Dr. Satyendra Kumar, Prof. Asit Ranjan Mohanty, & Binay Ranjan Das	Economics	Prajnan: Journal of Social and Management Sciences	2018	0970-8448	<a href="https://www.nibminda.org/prajnan/">https://www.nibminda.org/prajnan/</a>	<a href="https://xim.edu.in/ceft/pdf/Determinants-of-Non-Performing-Loans-in-India.pdf">https://xim.edu.in/ceft/pdf/Determinants-of-Non-Performing-Loans-in-India.pdf</a>	Yes
14	Approximation in Quantum Measure Spaces	M. Khare, A. Shukla	Mathematics	Math Slovaca	2018	1337-2211	<a href="https://www.degruyter.com/journal/key/ms/html?lang=en">https://www.degruyter.com/journal/key/ms/html?lang=en</a>	<a href="https://www.degruyter.com/document/doi/10.1515/ms-2017-0119/html">https://www.degruyter.com/document/doi/10.1515/ms-2017-0119/html</a>	Yes
15	From Zhang Neural Network to scaled hyperpower iterations	Predrag Stanimirovic, Shwetabh Srivastava, D.K. Gupta	Mathematics	Journal of Computational and Applied Mathematics	2018	0377-0427	<a href="https://doi.org/10.1016/j.cam.2017.09.048">https://doi.org/10.1016/j.cam.2017.09.048</a>	<a href="https://doi.org/10.1016/j.cam.2017.09.048">https://doi.org/10.1016/j.cam.2017.09.048</a>	Yes
16	Saddle Point Criteria for Semi-infinite Programming Problems via an $\eta$ -Approximation	Yadvendra Singh, S.K. Mishra	Mathematics	Springer Nature Singapore	2018	9.79E+12	<a href="https://www.google.com/books/edition/_/k6VUDwAAQBAJ?hl=en&amp;gbpv=1">https://www.google.com/books/edition/_/k6VUDwAAQBAJ?hl=en&amp;gbpv=1</a>		Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

17	Gallstone Magnesium Distributions from Optical Emission Spectroscopy	Rohit Kumar	Physics	Atoms	2018	2218- 2004	<a href="https://www.mdpi.com/journal/atoms">https://www.mdpi.com/journal/atoms</a>	<a href="https://doi.org/10.3390/atoms6030042">https://doi.org/10.3390/atoms6030042</a>	Yes
18	Laser-Induced Breakdown Spectroscopy Coupled with PCA Study of Human Tooth	Rohit Kumar	Physics	National Academy Science Letters	2018	0250-541X	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s40009-018-0735-x">https://doi.org/10.1007/s40009-018-0735-x</a>	Yes
19	Thin Films Deposited on Different Substrates	H. P. Bhasker	Physics	Mater. Res. Express	2018	2053-1591	<a href="https://iopscience.iop.org/journal/2053-1591">https://iopscience.iop.org/journal/2053-1591</a>	<a href="https://doi.org/10.1088/2053-1591/aae1c0">doi.org/10.1088/2053-1591/aae1c0</a>	Yes
20	Gallstone magnesium distributions from optical emission spectroscopy	Nilesh K. Rai	Physics	Atoms	2018	2218-2004	<a href="https://www.mdpi.com/journal/atoms">https://www.mdpi.com/journal/atoms</a>	<a href="https://doi.org/10.3390/atoms6030042">https://doi.org/10.3390/atoms6030042</a>	Yes
21	Recent development in antihyperalgesic effect of phytochemicals: anti-inflammatory and neuro-modulatory actions.	Singh AK, Kumar S, Vinayak M	Zoology	Inflammation Research	2018		Inflammation Research   Home (springer.com)	doi: 10.1007/s00011-018-1156-5	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

22	Synthesis and crystal structure of quinolinium salt: Assignment on nonsteroidal anti-inflammatory activity and DNA cleavage activity	Singh P, Kumar R, Singh AK, Yadav P, Khanna RS, Vinayak M, Tewari AK	Zoology	Journal of Molecular Structure	<b>2018</b>		Journal of Molecular Structure   ScienceDirect.com by Elsevier	doi: 10.1016/j.molstruc.2018.02.115	Yes
23	Adiposity associated changes in serum glucose and adiponectin levels modulate ovarian steroidogenesis during delayed embryonic development in the fruit bat, Cynopterus sphinx.	Anuradha and Amitabh Krishna	Zoology	General and Comparative Endocrinology	<b>2018</b>		General and Comparative Endocrinology   Journal   ScienceDirect.com by Elsevier	doi: 10.1016/j.ygcen.2018.02.016	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

24	Existence of NOS/NO system in testis and its relation with reproductive activity in the common carp, <i>Cyprinus carpio</i>	Ranjan A., Singh V.K. and Lal B	Zoology	Journal of Scientific Research	2018	0447-9483	Journal of Materials Research   Home (springer.com)	(PDF) Existence of NOS/NO system in testis and its relation with reproductive activity in the common carp, <i>cyprinus carpio</i> (researchgate.net)	Yes
25	New adventitious root formation and primary root biomass accumulation are regulated by nitric oxide and reactive oxygen species in rice seedlings under arsenate	Kushwaha, B.K., Singh, S., Tripathi, D.K., Sharma, S., Prasad, S.M., Chauhan, D.K., Kumar, V., Singh, V.P.	Botany	Journal of Hazardous Materials	2019	0304-3894	<a href="https://www.sciencedirect.com/journal/journal-of-hazardous-materials">https://www.sciencedirect.com/journal/journal-of-hazardous-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389418307131">https://www.sciencedirect.com/science/article/abs/pii/S0304389418307131</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

26	Interactive effect of silicon (Si) and salicylic acid (SA) in maize seedlings and their mechanisms of cadmium (Cd) toxicity alleviation.	Singh, S., Singh, V.P., Prasad, S.M., Sharma, S., Ramawat, N., Dubey, N.K., Tripathi, D.K., Chauhan, D.K.,	Botany	Journal of Plant Growth Regulation	2019	0721-7595	<a href="https://www.springer.com/journal/344">https://www.springer.com/journal/344</a>	<a href="https://link.springer.com/article/10.1007/s00344-019-09958-1">https://link.springer.com/article/10.1007/s00344-019-09958-1</a>	Yes
27	Avenues of the membrane transport system in adaptation of plants to abiotic stresses	Vishwakarma, K., Mishra, M., Patil, G., Mulkey, S., Ramawat, N., Singh, V.P., Deshmukh, R., Tripathi, D.K., Nguyen, H.T., Sharma, S	Botany	Critical Reviews in Biotechnology	2019	0738-8551	<a href="https://www.tandfonline.com/journals/ibty20">https://www.tandfonline.com/journals/ibty20</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/07388551.2019.1616669?journalCode=ibty20">https://www.tandfonline.com/doi/abs/10.1080/07388551.2019.1616669?journalCode=ibty20</a>	Yes
28	Editorial: Revisiting the role of ROS and RNS in plants under changing environment.	Ahmad, P., Tripathi, D.K., Deshmukh R., Singh, V.P., Corpas, F.J.,	Botany	Environmental and Experimental Botany	2019	0098-8472	<a href="https://www.sciencedirect.com/journal/environmental-and-experimental-botany">https://www.sciencedirect.com/journal/environmental-and-experimental-botany</a>	<a href="https://www.sciencedirect.com/journal/environmental-and-experimental-botany/vol/161/suppl/">https://www.sciencedirect.com/journal/environmental-and-experimental-botany/vol/161/suppl/</a>	Yes



C.M.P. DEGREE COLLEGE, PRAYAGRAJ

29	Regulation of cadmium toxicity in roots of tomato by indole acetic acid with special emphasis on reactive oxygen species production and their scavenging.	Khan, M.Y., Prakash, V., Chauhan, D.K., Prasad, S.M., Ramawat, N., Singh, V.P., Tripathi, D.K., Sharma, S	Botany	Plant Physiology and Biochemistry	2019	0981-9428	<a href="https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry">https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0981942819301822">https://www.sciencedirect.com/science/article/abs/pii/S0981942819301822</a>	Yes
30	Nitrogen alleviates salinity toxicity in Solanum lycopersicum seedlings by regulating ROS homeostasis	Singh, M., Singh, V.P., Prasad, S.M	Botany	Plant Physiology and Biochemistry	2019	0981-9428	<a href="https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry">https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S098194281930138X">https://www.sciencedirect.com/science/article/abs/pii/S098194281930138X</a>	Yes
31	Liquid assisted pulsed laser ablation synthesized copper oxide nanoparticles (CuO-NPs) and their differential impact on rice	Tiwari. P.K., Shweta, Singh, A.K., Singh, V.P., Prasad, S.M., Ramawat, N., Tripathi, D.K., Chauhan, D.K., Rai, A.K.,	Botany	Ecotoxicology and Environmental Safety	2019	0147-6513	<a href="https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety">https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S014765131930096X">https://www.sciencedirect.com/science/article/abs/pii/S014765131930096X</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

32	Nitric oxide ameliorates aluminium toxicity in Anabaena PCC 7120: Regulation of aluminium accumulation, exopolysaccharides secretion, photosynthesis and oxidative stress markers.	Tiwari, S., Verma, N., Singh V.P., Prasad, S.M.,	Botany	Environmental and Experimental Botany	2019	0098-8472	<a href="https://www.sciencedirect.com/journal/environmental-and-experimental-botany">https://www.sciencedirect.com/journal/environmental-and-experimental-botany</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S009884721831311X">https://www.sciencedirect.com/science/article/abs/pii/S009884721831311X</a>	Yes
33	Crosstalk between nitric oxide (NO) and abscisic acid (ABA) signalling molecules in higher plants	Prakash, V., Singh, V.P., Tripathi, D.K., Sharma, S., Corpas, F.J	Botany	Environmental and Experimental Botany	2019	0098-8472	<a href="https://www.sciencedirect.com/journal/environmental-and-experimental-botany">https://www.sciencedirect.com/journal/environmental-and-experimental-botany</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0098847218312632">https://www.sciencedirect.com/science/article/abs/pii/S0098847218312632</a>	Yes
34	Kinetin Alleviates UV-B-Induced Damage in Solanum lycopersicum: Implications of Phenolics and Antioxidants	Singh, M., Bashri, G., Prasad, S.M., Singh, V.P	Botany	Journal of Plant Growth Regulation	2019	0721-7595	<a href="https://www.springer.com/journal/344">https://www.springer.com/journal/344</a>	<a href="https://link.springer.com/article/10.1007/s00344-018-9894-8#:~:text=The%20present%20study%20concludes%20that,counterbalances%20levels%20of%20ROS%20(Fig.">https://link.springer.com/article/10.1007/s00344-018-9894-8#:~:text=The%20present%20study%20concludes%20that,counterbalances%20levels%20of%20ROS%20(Fig.</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

35	Morphology, growth and perennial in the genus Chlorogloeopsis (Stigonema tale)".	Singh ,K. R and Tiwari, G. L	Botany	J. Indian bot	2019	0019-4468	<a href="http://siifactor.com/pasport.php?id=19077">http://siifactor.com/pasport.php?id=19077</a>	<a href="https://www.indianjournals.com/ijor.aspx?target=ijor:jibs&amp;volume=98&amp;issue=3and4&amp;article=008">https://www.indianjournals.com/ijor.aspx?target=ijor:jibs&amp;volume=98&amp;issue=3and4&amp;article=008</a>	Yes
36	Solanum diphyllumL. (Solanaceae): A new addition to the Flora of Uttarakhand, India	Sharma, I. P., Saxena, P., Gond, D., Patel, S. P., & Balkrishna, A	Botany	Indian Forester	2019	0019-4816	<a href="https://indianforester.co.in/index.php/indianforester">https://indianforester.co.in/index.php/indianforester</a>	<a href="https://www.indianforester.co.in/index.php/indianforester/article/view/142736">https://www.indianforester.co.in/index.php/indianforester/article/view/142736</a>	Yes
37	Effect of Extract of Chlorogloeopsis Fritschii on The Growth of Hapalosiphon	Kirti Rajee Singh and Amita Pandey	Botany	International Journal of Recent Scientific Research	2019	0967-3031	<a href="https://www.recentscientific.com/">https://www.recentscientific.com/</a>	<a href="https://www.researchgate.net/publication/362605054_EFFECT_OF_EXTRACT_OF_CHLOROGLOEOPSIS_FRITSCHII_ON_THE_GROWTH_OF_HAPALOSIPHON">https://www.researchgate.net/publication/362605054_EFFECT_OF_EXTRACT_OF_CHLOROGLOEOPSIS_FRITSCHII_ON_THE_GROWTH_OF_HAPALOSIPHON</a>	Yes
38	Solanum diphyllum L. (Solanaceae): A new addition to the Flora of Uttarakhand, India	Sharma, I. P., Saxena, P., Gond, D. K., Patel, S., Balkrishna, A.,	Botany	Indian Forester.	2019	0019-4816	<a href="https://indianforester.co.in/index.php/indianforester">https://indianforester.co.in/index.php/indianforester</a>	<a href="https://www.researchgate.net/publication/337723643_Solanum_diphyllum_L_Solanaceae_A_new_addition_to_the_Flora_of_Uttarakhand_India">https://www.researchgate.net/publication/337723643_Solanum_diphyllum_L_Solanaceae_A_new_addition_to_the_Flora_of_Uttarakhand_India</a>	yes

## C.M.P. DEGREE COLLEGE, PRAYAGRAJ

39	Visible light photoredox catalysed amidation of carboxylic acids with amine	<b>Vishal Srivastava,</b> Pravin K. Singh, and Praveen P. Singh	Chemistry	Tetrahedron Letters	<b>2019</b>	0040-4039	<a href="https://www.sciencedirect.com/journal/tetrahedron-letters">https://www.sciencedirect.com/journal/tetrahedron-letters</a>	doi.org/10.1016/j.tetlet.2018.11.050	Yes
40	Photocatalysed eosin Y mediated C(sp <sup>3</sup> )-H alkylation of amine substrates via direct HAT	<b>Vishal Srivastava,</b> Pravin K. Singh, and Praveen P. Singh	Chemistry	Tetrahedron Letters	<b>2019</b>	0040-4039	<a href="https://www.sciencedirect.com/journal/tetrahedron-letters">https://www.sciencedirect.com/journal/tetrahedron-letters</a>	doi.org/10.1016/j.tetlet.2019.04.016	Yes
41	Eosin Y catalysed visible-light mediated aerobic oxidation of tertiary amines	<b>Vishal Srivastava,</b> Pravin K. Singh, and Praveen P. Singh	Chemistry	Tetrahedron Letters	<b>2019</b>	0040-4039	<a href="https://www.sciencedirect.com/journal/tetrahedron-letters">https://www.sciencedirect.com/journal/tetrahedron-letters</a>	doi.org/10.1016/j.tetlet.2019.151041	Yes
42	Visible light photoredox catalysed amidation of carboxylic acids with amine	Vishal Srivastava, <b>Pravin K. Singh,</b> and Praveen P. Singh	Chemistry	Tetrahedron Letters	<b>2019</b>	0040-4039	<a href="https://www.sciencedirect.com/journal/tetrahedron-letters">https://www.sciencedirect.com/journal/tetrahedron-letters</a>	doi.org/10.1016/j.tetlet.2018.11.050	Yes
43	Photocatalysed eosin Y mediated C(sp <sup>3</sup> )-H alkylation of amine substrates via direct HAT	Vishal Srivastava, <b>Pravin K. Singh,</b> and Praveen P. Singh	Chemistry	Tetrahedron Letters	<b>2019</b>	0040-4039	<a href="https://www.sciencedirect.com/journal/tetrahedron-letters">https://www.sciencedirect.com/journal/tetrahedron-letters</a>	doi.org/10.1016/j.tetlet.2019.04.016	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

44	Eosin Y catalysed visible-light mediated aerobic oxidation of tertiary amines	Vishal Srivastava, <b>Pravin K. Singh</b> , and Praveen P. Singh	Chemistry	Tetrahedron Letters	2019	0040-4039	<a href="https://www.sciencedirect.com/journal/tetrahedron-letters">https://www.sciencedirect.com/journal/tetrahedron-letters</a>	doi.org/10.1016/j.tetlet.2019.151041	Yes
45	Mixed ligand complex equilibria and coordination tendencies of Coll, Ni II, CuII and ZnII with L-glutamine/ L-citrulline and Uracil	Dr. Monika Singh	Chemistry	<i>Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.</i>	2019	Offline 0369-8203 ,	<a href="https://doi.org/10.1007/s40010-019-0645-0">https://doi.org/10.1007/s40010-019-0645-0</a>		yes
46	Iso-Noetherian Rings and Modules	Surya Prakash and A. K. Chaturvedi	Mathematics	Communications in Algebra	2019	1532-4125(online), 0092-7872(print)	<a href="http://www.tandfonline.com">www.tandfonline.com</a>	<a href="https://doi.org/10.1080/00927872.2018.1492591">https://doi.org/10.1080/00927872.2018.1492591</a>	Yes
47	A class of quadratically convergent iterative method	S Srivastava, PS Stanimirović, VN Katsikis, D Papanicolaou	Mathematics	Applied Mathematics and Computation	2019	0096-3003	<a href="https://doi.org/10.1016/j.amc.2019.124957">https://doi.org/10.1016/j.amc.2019.124957</a>	<a href="https://doi.org/10.1016/j.amc.2019.124957">https://doi.org/10.1016/j.amc.2019.124957</a>	Yes
48	An improved algorithm for basis pursuit problem and its applications	Tanay Saha, Shwetabh Srivastava, Swanand Khare, Predrag S Stanimirović, Marko D Petković	Mathematics	Applied Mathematics and Computation	2019	0096-3003	<a href="https://doi.org/10.1016/j.amc.2019.02.073">https://doi.org/10.1016/j.amc.2019.02.073</a>	<a href="https://doi.org/10.1016/j.amc.2019.02.073">https://doi.org/10.1016/j.amc.2019.02.073</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

49	MaTRU-KE: A Key Exchange Protocol Based on MaTRU Cryptosystems	Sonika Singh and Sahadeo Padhye	Mathematics	International Journal of Communication System	2019	1099-1131	<a href="https://doi.org/10.1002/dac.3886">https://doi.org/10.1002/dac.3886</a>	<a href="https://doi.org/10.1002/dac.3886">https://doi.org/10.1002/dac.3886</a>	Yes
50	Atomic and Molecular Laser-Induced Breakdown Spectroscopy of Selected Pharmaceu	Rohit Kumar	Physics	Atoms	2019	2218-2004	<a href="https://www.mdpi.com/journal/atoms">https://www.mdpi.com/journal/atoms</a>	<a href="https://doi.org/10.3390/atoms7030071">https://doi.org/10.3390/atoms7030071</a>	Yes
51	Spectrochemical study of moldavites from Ries impact structure (Germany) using LIBS	Rohit Kumar	Physics	Optics and Laser Technology	2019	0030-3992	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.optlastec.2019.01.028">https://doi.org/10.1016/j.optlastec.2019.01.028</a>	Yes
52	Quantification of Heavy Metal Contamination in Soil and Plants near Leather Tanning Industrial Area using LIBS and TXRF	Rohit Kumar	Physics	Journal of Applied Spectroscopy	2019	0021-9037	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/s10812-019-00919-w">https://doi.org/10.1007/s10812-019-00919-w</a>	Yes
53	Production of Artificial Conducting Regions in the Atmosphere	Gyan Prakash	Physics	IEEE Transactions on Plasma Science	2019	1939-9375	<a href="https://ieeexplore.ieee.org/browse/periodicals/title">https://ieeexplore.ieee.org/browse/periodicals/title</a>	<a href="https://ieeexplore.ieee.org/document/8861081">https://ieeexplore.ieee.org/document/8861081</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

54	Magnetic and Magneto-dielectric properties of (La, Co) co-doped BiFeO <sub>3</sub>	H. P. Bhasker	Physics	Physica Scripta	2019	1402-4896	<a href="https://iopscience.iop.org/journal/1402-4896">https://iopscience.iop.org/journal/1402-4896</a>	<a href="https://iopscience.iop.org/article/10.1088/1402-4896/ab354a/meta">https://iopscience.iop.org/article/10.1088/1402-4896/ab354a/meta</a>	Yes
55	Magneto-dielectric and Multiferroic properties in Bi <sub>0.95</sub> Yb <sub>0.05</sub> Fe <sub>0.95</sub> Co <sub>0.05</sub> O <sub>3</sub>	H. P. Bhasker	Physics	Physica Scripta	2019	1402-4896	<a href="https://iopscience.iop.org/journal/1402-4896">https://iopscience.iop.org/journal/1402-4896</a>	<a href="https://doi.org/10.1088/1402-4896/ab03a5">https://doi.org/10.1088/1402-4896/ab03a5</a>	Yes
56	A study based on fractal concepts	H. P. Bhasker	Physics	Applied Surface Science	2019	0169-4332	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.apsusc.2018.10.075">https://doi.org/10.1016/j.apsusc.2018.10.075</a>	Yes
57	Study of structural and surface morphological properties of Tb doped ZnO nanoparticles using XRD, XPS and fractal analysis	H. P. Bhasker	Physics	Mater. Res. Express	2019	2053-1591	<a href="https://iopscience.iop.org/article/10.1088/2053-1591/ab445f">https://iopscience.iop.org/article/10.1088/2053-1591/ab445f</a>	<a href="https://iopscience.iop.org/article/10.1088/2053-1591/ab445f">https://iopscience.iop.org/article/10.1088/2053-1591/ab445f</a>	Yes
58	Squeezing of longitudinal spin components in spin coherent state	Rakesh Kumar	Physics	National Academy Science Letters	2019	2250-1754	<a href="https://link.springer.com/article/10.1007/s4009-020-01025-8">https://link.springer.com/article/10.1007/s4009-020-01025-8</a>	<a href="https://www.springer.com/journal/40009">https://www.springer.com/journal/40009</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

59	Atomic and molecular laser-induced breakdown spectroscopy of selected pharmaceuticals	Nilesh K. Rai	Physics	Atoms	2019	2218-2004	<a href="https://www.mdpi.com/journal/atoms">https://www.mdpi.com/journal/atoms</a>	<a href="https://www.mdpi.com/2218-2004/7/3/71">https://www.mdpi.com/2218-2004/7/3/71</a>	Yes
60	ML171, a specific inhibitor of Nox1 attenuates formalin induced nociceptive sensitization by inhibition of ROS mediated ERK1/2 signaling.	Kumar S, Singh AK, Vinayak M	Zoology	Neurochemistry International	2019		Neurochemistry International   Journal   ScienceDirect.com by Elsevier	doi: 10.1016/j.neuint.2019.104466	Yes
61	Role of putrescine in ovary and embryo development in fruit bat Cynopterus sphinx during embryonic diapause.	Anuradha, Arnab Banerjee and Amitabh Krishna	Zoology	Molecular Reproduction and Development	2019		Molecular Reproduction and Development - Wiley Online Library	doi: 10.1002/mrd.23281	Yes
62	Cancer Nanotechnology: A New Revolution for Cancer Diagnosis and Therapy.	Chaturvedi V.K., Singh A., Singh V.K. and Singh M.P.	Zoology	Current Drug Metabolism	2019		Current Drug Metabolism   Bentham Science	doi: 10.2174/1389200219666180918111528	Yes



C.M.P. DEGREE COLLEGE, PRAYAGRAJ

63	A brief appraisal of ethylene signaling under abiotic stress in plants	Husain, T., Fatima, A., Suhel, M., Singh, S., Sharma, A., Prasad, S.M., Singh, V.P.,	Botany	Plant Signaling & Behavior	2020	1559-2316	<a href="https://www.tandfonline.com/journals/kpsb20#:~:text=Plant%20Signaling%20Behavior%20includes%20new,understanding%20of%20complex%20plant%20communications.">https://www.tandfonline.com/journals/kpsb20#:~:text=Plant%20Signaling%20Behavior%20includes%20new,understanding%20of%20complex%20plant%20communications.</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/32692940/">https://pubmed.ncbi.nlm.nih.gov/32692940/</a>	Yes
64	Silicon tackles butachlor toxicity in rice seedlings by regulating anatomical characteristics, ascorbate-glutathione cycle, proline metabolism and levels of nutrients	Tripathi, D.K., Varma, R.K., Singh, S., Sachan, M., Guerriero, G., Kushwaha, B.K., Bhardwaj, S., Ramawat, N., Sharma, S., *Singh, V.P., Prasad, S.M., Chauhan, D.K., Dubey, N.K., Sahi, S	Botany	Scientific Reports	2020	2045-2322	<a href="https://www.nature.com/srep/">https://www.nature.com/srep/</a>	<a href="https://www.nature.com/articles/s41598-020-65124-8">https://www.nature.com/articles/s41598-020-65124-8</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

65	Glutathione and hydrogen sulfide are required for sulfur-mediated mitigation of Cr (VI) toxicity in tomato, pea and brinjal seedlings.	Kushwaha, B.K., Singh, V.P	Botany	Physiologia Plantarum	2020	0031-9317	<a href="https://onlinelibrary.wiley.com/journal/13993054">https://onlinelibrary.wiley.com/journal/13993054</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13024">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13024</a>	Yes
66	Mitigation of chromium (VI) toxicity by additional sulfur in some vegetable crops involves glutathione and hydrogen sulfide.	Kushwaha, B.K., Singh, V.P	Botany	Plant Physiology and Biochemistry	2020	0981-9428	<a href="https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry">https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry</a>	<a href="https://onlinelibrary.wiley.com/doi/10.1111/pl.13024">https://onlinelibrary.wiley.com/doi/10.1111/pl.13024</a>	Yes
67	NO and ROS implications in the organization of root system architecture	Prakash, V., Vishkarma, K., Singh, V.P., Rai, P., Ramawat, N., Tripathi, D.K., Sharma, S.	Botany	Physiologia Plantarum	2020	0031-9317	<a href="https://onlinelibrary.wiley.com/journal/13993054">https://onlinelibrary.wiley.com/journal/13993054</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13050">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13050</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

68	Cytokinin alleviates cypermethr in toxicity in Nostoc muscorum by involving nitric oxide: Regulation of exopolysaccharides secretion, PS II photochemistry and reactive oxygen species homeostasis.	Tiwari, S., Verma, N., Prasad, S.M., Singh, V.P	Botany	Chemosphere	2020	0045-6535	<a href="https://www.sciencedirect.com/journal/chemosphere">https://www.sciencedirect.com/journal/chemosphere</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/32650176/">https://pubmed.ncbi.nlm.nih.gov/32650176/</a>	Yes
69	Nitric oxide-mediated regulation of sub-cellular chromium distribution, ascorbate-glutathione cycle and glutathione biosynthesis in tomato roots under chromium (VI) toxicity	Kushwaha, B.K., Ali, H.M., Siddiqui, M.H., Singh, V.P	Botany	Journal of Biotechnology	2020	0168-1656	<a href="https://www.sciencedirect.com/journal/journal-of-biotechnology">https://www.sciencedirect.com/journal/journal-of-biotechnology</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0168165620301267">https://www.sciencedirect.com/science/article/abs/pii/S0168165620301267</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

70	Dose dependent differential effects of toxic metal cadmium in tomato roots: Role of endogenous hydrogen sulfide.	Alamri, S., Kushwaha, B.K., Singh, V.P., Siddiqui, M.H	Botany	Ecotoxicology and Environmental Safety	2020	0147-6513	<a href="https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety">https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0147651320308174">https://www.sciencedirect.com/science/article/abs/pii/S0147651320308174</a>	Yes
71	Magnetopriming effects on arsenic stress-induced morphological and physiological variations in soybean involving synchrotron imaging.	Fatima, A., Kataria, S., Prajapati, R., Jain, M., Agrawal, A.K., Singh, B., Kashyap, Y., Tripathi, D.K., Singh, V.P., Gadre, R	Botany	Physiologia Plantarum,	2020	0031-9317	<a href="https://onlinelibrary.wiley.com/journal/13993054">https://onlinelibrary.wiley.com/journal/13993054</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/32915504/">https://pubmed.ncbi.nlm.nih.gov/32915504/</a>	Yes
72	Ascorbic acid is essential for inducing chromium (VI) toxicity tolerance in tomato roots	Al-Huqail, A.A., Ali, H.M., Kushwaha, B.K., Al-Huqail, A.A., Singh, V.P., Siddiqui, M.H.,	Botany	Journal of Biotechnology	2020	0168-1656	<a href="https://www.sciencedirect.com/journal/journal-of-biotechnology">https://www.sciencedirect.com/journal/journal-of-biotechnology</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/32681851/#:~:text=Chromium%20(VI)%20als o%20declined%20ASC,(VI)%20in%20tomato%20roots.">https://pubmed.ncbi.nlm.nih.gov/32681851/#:~:text=Chromium%20(VI)%20als o%20declined%20ASC,(VI)%20in%20tomato%20roots.</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

73	Full sunlight acclimation mechanism in Riccia discolor thalli: Assessment at morphological, anatomical, and biochemical levels.	Kushwaha, B.K., Rai, M., Alamri, S., Siddiqui, M.H., Singh, V.P	Botany	Journal of Photochemistry and Photobiology B: Biology	2020	1011-1344	<a href="https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-b-biology">https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-b-biology</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1011134420304334">https://www.sciencedirect.com/science/article/abs/pii/S1011134420304334</a>	Yes
74	Structural modifications of plant organs and tissues by metals and metalloids in the environment	Yadav, V., Arif, N., Kováč, J., Singh, V.P., Tripathi, D.K., Chauhan, D.K. and Vaculík, M.,	Botany	Plant Physiology and Biochemistry	2020	0981-9428	<a href="https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry">https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0981942820306070">https://www.sciencedirect.com/science/article/abs/pii/S0981942820306070</a>	Yes
75	Exogenous nitric oxide requires endogenous hydrogen sulfide to induce the resilience through sulfur assimilation in tomato seedlings under hexavalent chromium toxicity.	Alamri, S., Ali, H.M., Khan, M.I.R., Singh, V.P., Siddiqui, M.H	Botany	Plant Physiology and Biochemistry	2020	0981-9428	<a href="https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry">https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/32738579/">https://pubmed.ncbi.nlm.nih.gov/32738579/</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

76	Additional calcium and sulfur manages hexavalent chromium toxicity in Solanum lycopersicum L. and Solanum melongena L. seedlings by involving nitric oxide.	Singh, S., Prasad, S.M., Singh, V.P	Botany	Journal of Hazardous Materials	2020	0304-3894	<a href="https://www.sciencedirect.com/journal/journal-of-hazardous-materials">https://www.sciencedirect.com/journal-of-hazardous-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389420305963">https://www.sciencedirect.com/science/article/abs/pii/S0304389420305963</a>	Yes
77	Hydrogen sulfide and nitric oxide signal integration and plant development under stressed/non-stressed conditions.	Singh, V.P., Tripathi, D.K., Fotopoulos, V	Botany	Physiologia Plantarum	2020	0031-9317	<a href="https://onlinelibrary.wiley.com/journal/13993054">https://onlinelibrary.wiley.com/journal/13993054</a>	<a href="https://onlinelibrary.wiley.com/doi/full/10.1111/ppl.13066">https://onlinelibrary.wiley.com/doi/full/10.1111/ppl.13066</a>	Yes
78	Interplay of Nitric Oxide and Hydrogen Peroxide in Root Development.	Suhel, M., Husain, T., Singh, S., Pandey, A., Singh, S. K., Fatima, A., Singh, V.P., Prasad, S.M.,	Botany	Reactive Oxygen Species,	2020	2076-3921	<a href="https://www.rosj.org/index.php/ros/about">https://www.rosj.org/index.php/ros/about</a>	<a href="https://www.researchgate.net/publication/341241123_Interplay_of_Nitric_Oxide_and_Hydrogen_Peroxide_in_Root_Development">https://www.researchgate.net/publication/341241123_Interplay_of_Nitric_Oxide_and_Hydrogen_Peroxide_in_Root_Development</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

79	Silicon and nitric oxide-mediated mechanisms of cadmium toxicity alleviation in wheat seedlings	Singh, S., Prasad, S.M., Sharma, S., Dubey, N.K., Ramawat, N., Prasad, R., Singh, V.P., D.K., Chauhan, D.K	Botany	Physiologia plantarum	2020	0031-9317	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13065">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13065</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13065">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13065</a>	Yes
80	Involvement of nitrate reductase-dependent nitric oxide production in magnetopriming-induced salt tolerance in soybean.	Kataria, S., Jain, M., Tripathi, D.K., Singh, V.P	Botany	Physiologia plantarum	2020	0031-9317	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13031">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13031</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13031">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13031</a>	Yes
81	Nitric oxide in plants: an ancient molecule with new tasks	Verma, N., Tiwari, N., Singh, V.P., Prasad, S.M	Botany	Plant Growth Regulation	2020	1573-5087	<a href="https://www.springer.com/journal/10725">https://www.springer.com/journal/10725</a>	<a href="https://link.springer.com/article/10.1007/s10725-019-00543-w">https://link.springer.com/article/10.1007/s10725-019-00543-w</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

82	Silicon and plant growth promoting rhizobacteria differentially regulate AgNP-induced toxicity in Brassica juncea: Implication of nitric oxide	Vishwakarma, V., Singh, V.P., Prasad, S.M., Chauhan, D.K., Tripathi, D.K., Sharma, S.,	Botany	Journal of Hazardous Materials	2020	0304-3894	<a href="https://www.sciencedirect.com/journal/journal-of-hazardous-materials">https://www.sciencedirect.com/journal/journal-of-hazardous-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389419317601">https://www.sciencedirect.com/science/article/abs/pii/S0304389419317601</a>	Yes
83	Accumulation of secondary metabolites and improved size of glandular trichomes in Artemisia annua L. Eds	Pandey N et al	Botany	Reference Series in Phytochemistry	2020		<a href="https://www.springer.com/series/13872">https://www.springer.com/series/13872</a>		Yes
84	Biotechnological strategies for enhancing heavy metal tolerance in neglected and underutilized legume crops: A comprehensive review	Krishna Kumar Rai, Neha Pandey, Ram Prasad Meena, Shashi Pandey Rai	Botany	Ecotoxicology and Environmental Safety.	2020	1090-2414	<a href="https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety">https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/33396075/">https://pubmed.ncbi.nlm.nih.gov/33396075/</a>	Yes



C.M.P. DEGREE COLLEGE, PRAYAGRAJ

85	Occurrence of Dendrophthoe falcata (L. f.) Etting. on Rosa indica L. – in India	Gond, D.K. & Samuel, C.O.	Botany	Indian Forester	2020	0019-4816	<a href="https://indianforester.co.in/index.php/indianforester">https://indianforester.co.in/index.php/indianforester</a>		Yes
86	Visible Light Promoted Synthesis of Disubstituted 1,2,3-Thiadiazole	<b>Vishal Srivastava</b> , Pravin K. Singh, and Praveen P. Singh	Chemistry	Romanian Journal of Chemistry	2020	0035-3930	<a href="http://www.journals4free.com/link.jsp?l=14585388">http://www.journals4free.com/link.jsp?l=14585388</a>	10.33224/rch.2020.65.3.01	Yes
87	Recent application of visible-light induced radicals in C-S bond formation: A Review	<b>Vishal Srivastava</b> , Pravin K. Singh, Arjita Srivastava and Praveen P. Singh	Chemistry	RSC Advances	2020	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d0ra03086d	Yes
88	Recent applications of Rose Bengal catalysis in N-heterocycles: A short review	Arjita Srivastava, Pravin K. Singh, Akram Ali, Praveen P. Singh and <b>Vishal Srivastava</b>	Chemistry	RSC Advances	2020	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d0ra07400d	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

89	Anti-HIV potential of diarylpyrimidine derivatives as non-nucleoside reverse transcriptase inhibitors: Design, synthesis, docking, TOPKAT analysis and molecular dynamics simulations	Singh, V. K., Srivastava, R., Gupta, P. S. S., Naaz, F., <b>Chaurasia, H.</b> , Mishra, R., Rana, M. K. and Singh, R. K.	Chemistry	Journal of Biomolecular Structure and Dynamics	2020	0739-1102	<a href="https://doi.org/10.1080/07391102.2020.1748111">https://doi.org/10.1080/07391102.2020.1748111</a>	doi.org/10.1080/07391102.2020.1748111	Yes
90	Visible Light Promoted Synthesis of Disubstituted 1,2,3-Thiadiazole	Vishal Srivastava, <b>Pravin K. Singh</b> , and Praveen P. Singh	Chemistry	Romanian Journal of Chemistry	2020	0035-3930	<a href="http://www.journals4free.com/link.jsp?l=14585388">http://www.journals4free.com/link.jsp?l=14585388</a>	10.33224/rch.2020.65.3.01	Yes
91	Recent application of visible-light induced radicals in C-S bond formation: A Review	Vishal Srivastava, <b>Pravin K. Singh</b> , Arjita Srivastava and Praveen P. Singh	Chemistry	RSC Advances	2020	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d0ra03086d	Yes
92	Recent applications of Rose Bengal catalysis in N-heterocycles: A short review	Arjita Srivastava, <b>Pravin K. Singh</b> , Akram Ali, Praveen P. Singh and Vishal Srivastava	Chemistry	RSC Advances	2020	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d0ra07400d	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

93	Recent applications of Rose Bengal catalysis in N-heterocycles: a short review	Arjita Srivastava, Pravin K. Singh, <b>Akram Ali</b> , Praveen P. Singh and Vishal Srivastava	Chemistry	RSC Advances	2020	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/D0RA07400D	Yes
94	Silicon and nitric oxide interplay alleviates copper induced toxicity in mung bean seedlings.	Gaur, S., Kumar, J., Prasad, S.M., Sharma, S., Bhat, J.A., Sahi, S., Singh, V.P., Tripathi, D.K., Chauhan, D.K	Botany	Plant Physiology and Biochemistry	2021	0981-9428	<a href="https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry">https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0981942821004204">https://www.sciencedirect.com/science/article/abs/pii/S0981942821004204</a>	Yes
95	Exogenous addition of silicon alleviates metsulfuron methyl induced stress in wheat seedlings	Jain, S., Rai, P., Singh, J., Singh, V.P., Prasad, R., Rana, S., Deshmukh, R., Tripathi, D.K., Sharma, S.,	Botany	Plant Physiology and Biochemistry	2021	0981-9428	<a href="https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry">https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0981942821003995">https://www.sciencedirect.com/science/article/abs/pii/S0981942821003995</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

96	Ethylene and hydrogen sulphide are essential for mitigating hexavalent chromium stress in two pulse crops	Husain, T., Suhel, M., Prasad, S.M., Singh, V.P	Botany	Plant Biology	2021	1438-8677	<a href="https://onlinelibrary.wiley.com/journal/14388677">https://onlinelibrary.wiley.com/journal/14388677</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/34490701/#:~:text=In%20this%20study%20we%20examined,assessing%20physiological%20and%20biochemical%20attributes.">https://pubmed.ncbi.nlm.nih.gov/34490701/#:~:text=In%20this%20study%20we%20examined,assessing%20physiological%20and%20biochemical%20attributes.</a>	Yes
97	Silicon induces adventitious root formation in rice (Oryza sativa L.) under arsenate stress with the involvement of nitric oxide and indole-3-acetic acid	Tripathi, D.K., Rai, P., Guerriero, G., Sharma, S., Corpas, F.J., Singh, V.P	Botany	Journal of Experimental Botany	2021	0022-0957	<a href="https://academic.oup.com/jxb">https://academic.oup.com/jxb</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/33095869/">https://pubmed.ncbi.nlm.nih.gov/33095869/</a>	Yes
98	Nitric oxide (NO) and salicylic acid (SA): A framework for their relationship in plant development under abiotic stress.	Prakash, V., Singh, V.P., Tripathi, D.K., Sharma, S., Corpas, F.J.,	Botany	Plant Biology	2021	1438-8677	<a href="https://onlinelibrary.wiley.com/journal/14388677">https://onlinelibrary.wiley.com/journal/14388677</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/plb.13246">https://onlinelibrary.wiley.com/doi/abs/10.1111/plb.13246</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

99	Regulation of ascorbate-glutathione cycle by exogenous nitric oxide and hydrogen peroxide in soybean roots under arsenate stress	Singh, S., Husaina, T., Kushwaha, B.K., Suhel, M., Fatima, A., Mishra, V., Singh, S.K., Tripathi, D.K., Rai, M., Prasad, S.M., Dubey, N.K., Chauhan, D.K., Bhatt, J.A., Fotopoulos, V., Singh, V.P.,	Botany	Journal of Hazardous Materials	2021	0304-3894	<a href="https://www.sciencedirect.com/journal/journal-of-hazardous-materials">https://www.sciencedirect.com/journal-of-hazardous-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389420316721">https://www.sciencedirect.com/science/article/abs/pii/S0304389420316721</a>	Yes
100	Ascorbate and glutathione independently alleviate arsenate toxicity in brinjal but both require endogenous nitric	Alamri, S., Kushwaha, B.K., Singh, V.P., Siddiqui, M.H., Al-Amri, A.A., Alsubaie, Q.D., Ali, H.M.,	Botany	Physiologia Plantarum	2021	0031-9317	<a href="https://onlinelibrary.wiley.com/journal/13993054">https://onlinelibrary.wiley.com/journal/13993054</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/33826752/">https://pubmed.ncbi.nlm.nih.gov/33826752/</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

101	Aluminum toxicity and aluminum stress-induced physiological tolerance responses in higher plants.	Chauhan, D.K., Yadav, V., Vaculík, M., Gassmann, W., Pike, S., Arif, N., Singh, V.P., Deshmukh, R., Sahi, S. and Tripathi, D.K	Botany	Critical Reviews in Biotechnology	2021	0738-8551	<a href="https://www.tandfonline.com/journals/ibty20">https://www.tandfonline.com/journals/ibty20</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/33866893/">https://pubmed.ncbi.nlm.nih.gov/33866893/</a>	Yes
102	Histochemical techniques in plant science: more than meets the eye.	Yadav, V., Arif, N., Singh, V.P., Guerriero, G., Berni, R., Shinde, R., Ratauri, G., Deshmukh, R., Sandalio, L.M., Chuahan, D.K., Tripathi, D.K	Botany	Plant and Cell Physiology	2021	1471-9053	<a href="https://academic.oup.com/pcp">https://academic.oup.com/pcp</a>	<a href="https://www.researchgate.net/publication/349391157-Histochemical-Techniques-in-Plant-Science-More-Than-Meets-the-Eye">https://www.researchgate.net/publication/349391157-Histochemical-Techniques-in-Plant-Science-More-Than-Meets-the-Eye</a>	Yes
103	Priming of tomato seedlings with 2-oxoglutarate induces arsenic toxicity alleviatory responses by involving endogenous nitric oxide.	Alamri, S., Alsubaie, Q.D., Al-Amri, A.A., Al-Munqedi, B., Ali, H.M., Kushwaha, B.K., Singh, V.P., Siddiqui, M.H	Botany	Physiologia Plantarum	2021	0031-9317	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.1313054">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.1313054</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13168">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13168</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

104	Hydrogen sulfide (H <sub>2</sub> S) underpins the beneficial silicon effects against the copper oxide nanoparticles (CuO NPs) phytotoxicity in <i>Oryza sativa</i> seedlings.	Rai, P., Singh, V.P., Peralta-Videa, J., Tripathi, D.K., Sharma, S., Corpas, F.J.,	Botany	Journal of Hazardous Materials	2021	0304-3894	<a href="https://www.sciencedirect.com/journal/journal-of-hazardous-materials">https://www.sciencedirect.com/journal/journal-of-hazardous-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389420328983">https://www.sciencedirect.com/science/article/abs/pii/S0304389420328983</a>	Yes
105	Mitigation of arsenate toxicity by indole-3-acetic acid in brinjal roots: Plausible association with endogenous hydrogen peroxide.	Alamri, S., Siddiqui, M.H., Kushwaha, B.K., Singh, V.P., Ali, H.M.,	Botany	Journal of Hazardous Materials	2021	0304-3894	<a href="https://www.sciencedirect.com/journal/journal-of-hazardous-materials">https://www.sciencedirect.com/journal/journal-of-hazardous-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389420323268">https://www.sciencedirect.com/science/article/abs/pii/S0304389420323268</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

106	Silicon crosstalk with reactive oxygen species, phytohormones and other signaling molecules	Triptahi, D.K., Vishwakarma, K., Singh, V.P., Prakash, V., Sharma, S., Muneer, S., Nikolic, M., Deshmukh, R., Vaculik, M., Corpas, F.J.,	Botany	Journal of Hazardous Materials	2021	0304-3894	<a href="https://www.sciencedirect.com/journal/journal-of-hazardous-materials">https://www.sciencedirect.com/journal/journal-of-hazardous-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389420328119">https://www.sciencedirect.com/science/article/abs/pii/S0304389420328119</a>	Yes
107	Auxin metabolic network regulates the plant response to metalloids	Singh, H., Bhat, J.A., Singh, V.P., Corpas, F.J., Yadav, S.R	Botany	Journal of Hazardous Materials	2021	0304-3894	<a href="https://www.sciencedirect.com/journal/journal-of-hazardous-materials">https://www.sciencedirect.com/journal/journal-of-hazardous-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389420322408">https://www.sciencedirect.com/science/article/abs/pii/S0304389420322408</a>	Yes
108	Morphological Diversity of different strains of westillopsis under cultural conditions	Singh, K. R	Botany	J. Indian bot	2021	0019-4468	<a href="http://sifactor.com/pasport.php?id=19077">http://sifactor.com/pasport.php?id=19077</a>	<a href="https://www.indianjournals.com/ijor.aspx?target=ijor:jibs&amp;volume=101&amp;issue=3&amp;article=010">https://www.indianjournals.com/ijor.aspx?target=ijor:jibs&amp;volume=101&amp;issue=3&amp;article=010</a>	Yes



C.M.P. DEGREE COLLEGE, PRAYAGRAJ

109	MORPHOLOGY AND REPRODUCTION OF OOCYSTAE NIUM ELEGANS GONZALVES ET MEHRA (CHLORELLALES, TREBOUXIOPHYCEAE, CHLOROPHYTA)"	Richa Tandon, Kirti Rajee Singh and Amita Pandey, Rama Kant and G.L.Tiwari	Botany	J. Indian bot	2021	0019-4468	<a href="http://siifactor.com/pasport.php?id=19077">http://siifactor.com/pasport.php?id=19077</a>	<a href="https://www.academia.edu/75607337/Morphology_and_Reproduction_of_Oocystaeium_Elegans_Gonzalves_et_Mehra_Chlorellales_Trebouxiophyceae_Chlorophyta">https://www.academia.edu/75607337/Morphology_and_Reproduction_of_Oocystaeium_Elegans_Gonzalves_et_Mehra_Chlorellales_Trebouxiophyceae_Chlorophyta</a>	Yes
110	Salicylic Acid and Nitric Oxide: Insight Into the Transcripti onal Regulation of Their Metabolis m and Regulatory Functions in Plants	Neha Pandey	Botany	Frontiers in Agronomy	2021	2673-3218	<a href="https://www.frontiersin.org/journals/agronomy">https://www.frontiersin.org/journals/agronomy</a>	<a href="https://www.frontiersin.org/articles/10.3389/fagro.2021.781027/full">https://www.frontiersin.org/articles/10.3389/fagro.2021.781027/full</a>	Yes
111	Inactivation of bacterial and fungal species during ozonation	Alok Kumar Singh, Gopal Nath and Anand Prakash Singh	Botany	Flora and Fauna	2021	0971-6920	<a href="http://floraandfona.org.in/aspx_file/home.aspx">http://floraandfona.org.in/aspx_file/home.aspx</a>	<a href="http://floraandfona.org.in/Uploaded%20Pdf/271/13-19.pdf">http://floraandfona.org.in/Uploaded%20Pdf/271/13-19.pdf</a>	Yes
112	Detection of coliform, faecal coliform and total bacterial count from drinking water of Varanasi,	Alok Kumar Singh, Anand Prakash Singh, Sanjay Srivastava	Botany	Flora and Fauna	2021	0971-6920	<a href="http://floraandfona.org.in/aspx_file/home.aspx">http://floraandfona.org.in/aspx_file/home.aspx</a>	<a href="http://floraandfona.org.in/Uploaded%20Pdf/272/163-168.pdf">http://floraandfona.org.in/Uploaded%20Pdf/272/163-168.pdf</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

113	Morphology And Reproduction Of Oocystaenium Elegans Gonzalves Et (Chlorellales, Trebouxiophyceae, Chlorophyta)	Richa Tandon, Kirtiraje Singh, Amita Panday, Rama Kant And G. L. Tiwari	Botany	Indian Botanical Society	2021	0019 - 4468	<a href="https://en.wikipedia.org/wiki/Indian_Botanical_Society">https://en.wikipedia.org/wiki/Indian_Botanical_Society</a>	<a href="https://www.academia.edu/75607337/Morphology_and_Reproduction_of_Oocystaenium_Gonzalves_et_Mehra_Chlorellales_Trebouxiophyceae_Chlorophyta">https://www.academia.edu/75607337/Morphology_and_Reproduction_of_Oocystaenium_Gonzalves_et_Mehra_Chlorellales_Trebouxiophyceae_Chlorophyta</a>	Yes
114	Recent advances of 4DPAIPN in photocatalytic transformations Organic and Biomolecular Chemistry	Praveen P. Singh and <b>Vishal Srivastava</b>	Chemistry	RSC Advances	2021	1477-0520	<a href="https://pubs.rsc.org/en/journals/journalissues/ob#!recentarticles&amp;adv">https://pubs.rsc.org/en/journals/journalissues/ob#!recentarticles&amp;adv</a>	10.1039/d0ob01884h	Yes
115	Synthetic applications of flavinphotocatalysis: a review	<b>Vishal Srivastava</b> , Pravin K. Singh, Arjita Srivastava and Praveen P. Singh	Chemistry	RSC Advances	2021	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d1ra00925g	Yes
116	Recent applications of photoredox catalysis in O-heterocycles: A short review	Praveen P. Singh, Pravin K. Singh, Mohd. Zaheeruddin Beg, AkankshaKashyap and <b>Vishal Srivastava</b>	Chemistry	Synthetic Communications	2021	0039-7911	<a href="https://www.tandfonline.com/journals/lsyc20">https://www.tandfonline.com/journals/lsyc20</a>	<a href="https://doi.org/10.1080/00397911.2021.1968907">https://doi.org/10.1080/00397911.2021.1968907</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

117	Recent Advances of Dicyanopyrazine (DPZ) in Photoredox	<b>Vishal Srivastava,</b> Pravin K. Singh, Arjita Srivastava, Surabhi Sinha and Praveen P. Singh	Chemistry	Catalysis Photochem	<b>2021</b>	2673-7256	<a href="https://www.mdpi.com/journal/photochem/about">https://www.mdpi.com/journal/photochem/about</a>	<a href="https://doi.org/10.3390/photochem1020014">https://doi.org/10.3390/photochem1020014</a>	Yes
118	Molecular modelling, synthesis and antimicrobial evaluation of benzimidazole nucleoside mimetics	<b>Chaurasia, H.,</b> Singh, V. K., Mishra, R., Yadav, A. K., Ram, N. K., Singh, P. and Singh, R. K.	Chemistry	Bioinorganic Chemistry	<b>2021</b>	0045-2068	<a href="https://doi.org/10.1016/j.bioorg.2021.105227">https://doi.org/10.1016/j.bioorg.2021.105227</a>	<a href="https://doi.org/10.1016/j.bioorg.2021.105227">doi.org/10.1016/j.bioorg.2021.105227</a>	Yes
119	Design, synthesis and molecular dynamics simulation studies of quinoline derivatives as protease inhibitors against SARS-CoV-2	Singh, V. K., <b>Chaurasia, H.,</b> Mishra, R., Srivastava, R. and Singh, R. K.	Chemistry	Journal of Bio-molecular Structure and Dynamics.	<b>2021</b>	<b>1538-0254</b>	<a href="http://dx.doi.org/10.1080/0739102.2021.1946716">http://dx.doi.org/10.1080/0739102.2021.1946716</a>	<a href="https://doi.org/10.1080/07391102.2021.1946716">doi.org/10.1080/07391102.2021.1946716</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

120	Docking, ADMET prediction, DFT analysis, synthesis, cytotoxicity, antibacterial screening and QSAR analysis of diarylpyrimidine derivatives.	Singh, V. K., <b>Chaurasia, H.</b> , Mishra, R., Srivastava, R. and Singh, R. K.	Chemistry	Journal of Molecular Structure	2021	0022-2860	<a href="http://dx.doi.org/10.1016/j.molstruc.2021.131400">http://dx.doi.org/10.1016/j.molstruc.2021.131400</a>	<a href="https://doi.org/10.1016/j.molstruc.2021.131400">doi.org/10.1016/j.molstruc.2021.131400</a>	Yes
121	Molecular modeling, QSAR analysis and antimicrobial properties of Schiff base derivatives of isatin. Journal of Molecular Structure	Mishra, R., <b>Chaurasia, H.</b> , Singh, V. K., Naaz, F. and Singh, R. K.	Chemistry	Journal of Molecular Structure	2021	0022-2860	<a href="https://doi.org/10.1016/j.molstruc.2021.130763">https://doi.org/10.1016/j.molstruc.2021.130763</a>	<a href="https://doi.org/10.1016/j.molstruc.2021.130763">doi.org/10.1016/j.molstruc.2021.130763</a>	Yes
122	Docking Simulation and Anti-Inflammatory Profile of Some Synthesized Heterodimer of Pyrazole	Pratima Yadav, <b>Ranjeet Kumar</b> and Ashish Kumar Tewari	Chemistry	Russian Journal of Bioorganic Chemistry	2021	1608-330X	<a href="https://www.springer.com/journal/11171">https://www.springer.com/journal/11171</a>	<a href="https://link.springer.com/article/10.1134/S1068162020060370">https://link.springer.com/article/10.1134/S1068162020060370</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

123	Crystal Structure and Magnetic Properties of Cu(II) Dinuclear Complex with Equatorial-Axial Bridging Thiocyanate ligand: Showing Ferromagnetic	Deepanjali Pandey, Shahid S. Narvi, <b>Ranjeet Kumar</b> and Siddhartha Chaudhuri	Chemistry	Inorganic Chemistry Communications	2021	1879-0259	<a href="https://www.sciencedirect.com/journal/inorganic-chemistry-communications">https://www.sciencedirect.com/journal/inorganic-chemistry-communications</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1387700321002914">https://www.sciencedirect.com/science/article/abs/pii/S1387700321002914</a>	Yes
124	Synthetic applications of flavin photocatalysis: a review	Vishal Srivastava, <b>Pravin K. Singh</b> , Arjita Srivastava and Praveen P. Singh	Chemistry	RSC Advances	2021	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d1ra00925g	Yes
125	Recent applications of photoredox catalysis in O-heterocycles: A short review	Praveen P. Singh, <b>Pravin K. Singh</b> , Mohd. Zaheeruddin Beg, Akanksha Kashyap and Vishal Srivastava	Chemistry	Synthetic Communications	2021	0039-7911	<a href="https://www.tandfonline.com/journals/lscyc20">https://www.tandfonline.com/journals/lscyc20</a>	<a href="https://doi.org/10.1080/00397911.2021.1968907">https://doi.org/10.1080/00397911.2021.1968907</a>	Yes
126	Recent Advances of Dicyanopyrazine (DPZ) in Photoredox	Vishal Srivastava, <b>Pravin K. Singh</b> , Arjita Srivastava, Surabhi Sinha and Praveen P. Singh	Chemistry	Catalysis Photochem	2021	2673-7256	<a href="https://www.mdpi.com/journal/photochem/about">https://www.mdpi.com/journal/photochem/about</a>	<a href="https://doi.org/10.3390/photochem1020014">https://doi.org/10.3390/photochem1020014</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

127	Switchover from Ni <sup>II</sup> N <sub>2</sub> O <sub>2</sub> to Ni <sup>II</sup> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub> coordination triggered by the redox behaviour of a non-innocent 2-aminophenolate ligand.	<b>Akram Ali,</b> Arunava Sengupta, Frances Lloret and R. N. Mukherjee	Chemistry	Journal of Chemical Sciences	<b>2021</b>	0974-3626 (print) 0973-7103 (web)	<a href="https://www.ias.ac.in/listing/issue/s/jcsc">https://www.ias.ac.in/listing/issue/s/jcsc</a>	10.1007/s12039-021-01961-y	Yes
128	Activated Fly-Ash Promoted Cost-Effective and Green Synthesis of Hexahydroacridine-1,8(2H,5H)-Diones in Aqueous Medium	<b>Santosh Kr. Srivastava</b>	Chemistry	Heterocyclic Letters	<b>2021</b>	2230-9632	<a href="https://heteroletters.org">https://heteroletters.org</a>		Yes
129	Crystal structure and magnetic properties of Cu(II) dinuclear complex with equatorial-axial bridging thiocyanate ligand: Showing ferromagnetic coupling	Deepanjali Pandey, Shahid S. Narvi, Ranjeet Kumar, Siddhartha Chaudhuri	Chemistry	Inorganic Chemistry Communications	<b>2021</b>		<a href="https://doi.org/10.1016/j.inoche.2021.108736">Inorganic Chemistry Communications   Journal   ScienceDirect.com by Elsevier</a>	<a href="https://doi.org/10.1016/j.inoche.2021.108736">https://doi.org/10.1016/j.inoche.2021.108736</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

130	Study of Street Vendors at Magh Mela, Prayagraj	Dr. Ravindra Pratap Singh	Economics	Kalyan Bharati	2021	0976-0822	<a href="https://tinyurl.com/yc2m86br">https://tinyurl.com/yc2m86br</a>	<a href="https://tinyurl.com/yc2m86br">https://tinyurl.com/yc2m86br</a>	Yes
131	Mutual Funds in India: Innovations and Growth	Dr. Aditi Pandey	Economics	The Indian Journal of Economics	2021	0019-5170	<a href="https://www.indianjournalofeconomics.com/april2021.htm#9">https://www.indianjournalofeconomics.com/april2021.htm#9</a>	<a href="https://www.indianjournalofeconomics.com/april2021.htm#9">https://www.indianjournalofeconomics.com/april2021.htm#9</a>	Yes
132	Some variants of ascending and descending chain conditions	Surya Prakash and A. K. Chaturvedi	Mathematics	Communications in Algebra	2021	1532-4125(online), 0092-7872(print)	<a href="http://www.tandfonline.com">www.tandfonline.com</a>	<a href="https://doi.org/10.1080/00927872.2021.1919132">https://doi.org/10.1080/00927872.2021.1919132</a>	Yes
133	Kolmogorov-Sinai Type Logical Entropy	M. Khare, A. Shukla	Mathematics	Reports on Mathematical Physics	2021	0034-4877	<a href="https://www.sciencedirect.com/journal/reports-on-mathematical-physics">https://www.sciencedirect.com/journal/reports-on-mathematical-physics</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0034487721000537">https://www.sciencedirect.com/science/article/abs/pii/S0034487721000537</a>	Yes
134	Recurrence relations for a family of iterations assuming Hölder continuous second order Fréchet derivative	S Srivastava, DK Gupta, E Martínez, S Singh, JL Hueso, A Kumar	Mathematics	International Journal of Nonlinear Sciences and Numerical Simulation	2021	2191-0294	<a href="https://www.degruyter.com/journal/key/ijns/html">https://www.degruyter.com/journal/key/ijns/html</a>	<a href="https://www.degruyter.com/document/doi/10.1515/ijns-2016-0151/html?lang=en">https://www.degruyter.com/document/doi/10.1515/ijns-2016-0151/html?lang=en</a>	Yes
135	Quantum Controlled Teleportation of Bell State Using Seven-Qubit Entangled State	Ajay K. Yadav	Physics	International Journal of Theoretical Physics	2021	1572-9575	<a href="https://www.springer.com/journal/10773/">https://www.springer.com/journal/10773/</a>	<a href="https://doi.org/10.1007/s10773-020-04697-6">https://doi.org/10.1007/s10773-020-04697-6</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

136	Rapid Analysis of Chemical Composition and Physical Properties of Gemstones Using LIBS and Chemometric Technique	Rohit Kumar	Physics	Applied Sciences	2021	2076-3417	<a href="https://www.mdpi.com/journal/applsci">https://www.mdpi.com/journal/applsci</a>	<a href="https://doi.org/10.3390/app11136156">https://doi.org/10.3390/app11136156</a>	Yes
137	Evaluation of Na and K in anti-diabetic Ayurvedic medicine using LIBS	Rohit Kumar	Physics	Lasers in Medical Science	2021	1435-604X	<a href="https://www.springer.com/journal/10103">https://www.springer.com/journal/10103</a>	<a href="https://doi.org/10.1007/s10103-021-03289-y">https://doi.org/10.1007/s10103-021-03289-y</a>	Yes
138	Analysis of Tendu (Diospyros Melanoxylon) Leaf Using Spectroscopic Techniques	Rohit Kumar	Physics	National Academy Science Letters	2021	0250541X	<a href="https://www.springer.com/journal/40009">https://www.springer.com/journal/40009</a>	<a href="https://doi.org/10.1007/s40009-021-01075-6">https://doi.org/10.1007/s40009-021-01075-6</a>	Yes
139	Discrimination of gallbladder stone employing Laser-Induced Breakdown Spectroscopy (LIBS) and Photoacoustic Spectroscopy	Rohit Kumar	Physics	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2021	1386-1425	<a href="https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy">https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy</a>	<a href="https://doi.org/10.1016/j.saa.2021.119948">https://doi.org/10.1016/j.saa.2021.119948</a>	Yes



## C.M.P. DEGREE COLLEGE, PRAYAGRAJ

140	Evaluation of the Calibration-Free and Multivariate Method for Quantitative Analysis in Laser-Induced Breakdown Spectroscopy	Rohit Kumar	Physics	Journal of Applied Spectroscopy	2021	219037	<a href="https://www.springer.com/journal/10812">https://www.springer.com/journal/10812</a>	<a href="https://doi.org/10.1007/s10812-021-01212-5">https://doi.org/10.1007/s10812-021-01212-5</a>	Yes
141	Large area semitransparent inverted organic solar cells with enhanced operational stability using TiO <sub>2</sub> electron transport layer for building integrated photovoltaic devices	H. P. Bhasker	Physics	<u>Material Letter Volume</u>	2021	0167-577X	<a href="https://www.sciencedirect.com/journal/materials-letters">https://www.sciencedirect.com/journal/materials-letters</a>	<a href="https://doi.org/10.1016/j.matlet.2020.128725">https://doi.org/10.1016/j.matlet.2020.128725</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

142	Effect of Fe Doping on the Surface Morphology and Supercapacitor Properties of Sr(OH) <sub>2</sub> Thin Films: A Fractal Approach	H. P. Bhasker	Physics	J. Phys. Chem. C	2021	1932-7455	<a href="https://pubs.acs.org/journal/jpcc">https://pubs.acs.org/journal/jpcc</a>	<a href="https://doi.org/10.1021/acs.jpcc.1c06668">https://doi.org/10.1021/acs.jpcc.1c06668</a>	Yes
143	Neha Chaudhary, Nari Dehke Viruddh Hinsa	Dr. Ruchika Chaudhary	Sociology	Bhartiya Smajshastr Samiksha	2021	23491396	<a href="http://bss.sagepub.in">http://bss.sagepub.in</a>	10.1177/23491396211004710	Yes
144	Saadat Hasan	Dr. Zaibun Nisa	Urdu	Sabaq e Urdu	2021	2321-1601	<a href="http://www.sabaqeurdu.com/">www.sabaqeurdu.com/</a>		Yes
145	How is UVR8 relevant in plants? New evidence	Vipul Mishra, Samiksha Singh, Nawal Kishore Dubey, Shraddha Singh, Meena Rai, Durgesh Kumar Tripathi & Vijay Pratap Singh	Botany	Plant Growth Regulation	2022	1573-5087	<a href="https://www.springer.com/journal/10725">https://www.springer.com/journal/10725</a>	<a href="https://link.springer.com/article/10.1007/s10725-022-00939-1#:~:text=UVR8%20function%20interacts%20with%20the,cotyledon%20enlargement%20(Yang%20et%20al.">https://link.springer.com/article/10.1007/s10725-022-00939-1#:~:text=UVR8%20function%20interacts%20with%20the,cotyledon%20enlargement%20(Yang%20et%20al.</a>	Yes
146	Nanocarrier spray: a nontransgenic approach for crop engineering	Kandol N, Singh V P, Estrella L H, Trans S P Loam, Tripathi D k	Botany	Trends in Plant science	2022	1360-1385	<a href="https://www.cell.com/trends/plant-science/home">https://www.cell.com/trends/plant-science/home</a>	<a href="https://www.cell.com/trends/plant-science/fulltext/S1360-1385(22)00338-7">https://www.cell.com/trends/plant-science/fulltext/S1360-1385(22)00338-7</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

147	RIPK: a crucial ROS signaling component in plants.	Singh, P., Mishra, V., Tripathi, D.K., Corpas, F.J., Singh, V.P.,	Botany	Trends in Plant science	2022	1360-1385	<a href="https://www.cell.com/trends/plant-science/home">https://www.cell.com/trends/plant-science/home</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1360138521003447">https://www.sciencedirect.com/science/article/abs/pii/S1360138521003447</a>	Yes
148	Ca <sup>2+</sup> sensor-mediated ROS homeostasis: defense without yield penalty	Kandhol, N., Singh, V.P., Wang, Y., Chen, Z.H., Tripathi, D.K.	Botany	Trends in Plant science	2022	1360-1385	<a href="https://www.cell.com/trends/plant-science/home">https://www.cell.com/trends/plant-science/home</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1360138522001418">https://www.sciencedirect.com/science/article/abs/pii/S1360138522001418</a>	Yes
149	HPCA1 and HSL3: two plasma membrane proteins that probably cooperate to modulate H <sub>2</sub> O <sub>2</sub> signaling under drought conditions.	Mishra, V., Singh, P., Kushwaha, B.K., Tripathi, D.K., Corpas, F.J., Singh, V.P.	Botany	Plant Growth Regulation	2022	1573-5087	<a href="https://www.springer.com/journal/10725">https://www.springer.com/journal/10725</a>	<a href="https://link.springer.com/article/10.1007/s10725-022-00829-6">https://link.springer.com/article/10.1007/s10725-022-00829-6</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

150	Nitric oxide and hydrogen peroxide independently act in mitigating chromium stress in Triticum aestivum L. seedlings: Regulation of cell death, chromium uptake, antioxidant system, sulfur assimilation and proline metabolism	Singh, S., Dubey, N.K., Singh, V.P	Botany	Plant Physiology and Biochemistry	2022	0981-9428.	<a href="https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry">https://www.sciencedirect.com/journal/plant-physiology-and-biochemistry</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/35569168/">https://pubmed.ncbi.nlm.nih.gov/35569168/</a>	Yes
151	Nano-priming: Impression on the beginner of plant life.	Kandhol, N., Singh, V.P., Ramawat, N., Prasad, R., Chauhan, D.K., Sharma, S., Grillo, R., Sahi, S., Peralta-Videa, J., Tripathi, D.K.,	Botany	Plant Stress	2022	2667-064X	<a href="https://www.sciencedirect.com/journal/plant-stress">https://www.sciencedirect.com/journal/plant-stress</a>	<a href="https://agris.fao.org/agris-search/search.do?recordID=DJ20220771803">https://agris.fao.org/agris-search/search.do?recordID=DJ20220771803</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

152	Heavy metal induced regulation of plant biology: Recent insights.	Sharma, A., Kapoor, D., Gautam, S., Landi, M., Kandhol, N., Araniti, F., Ramakrishnan, M., Satish, L., Singh, V.P., Sharma, P. and Bhardwaj, R.,	Botany	Physiologia Plantarum	2022	0031-9317	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13688">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13688</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13688">https://onlinelibrary.wiley.com/doi/abs/10.1111/ppl.13688</a>	Yes
153	Hydrogen sulfide manages hexavalent chromium toxicity in wheat and rice seedlings: The role of sulfur assimilation and ascorbate-glutathione cycle.	Singh, S.K., Suhel, S., Husain, T., Prasad, S.M., Singh, V.P	Botany	Environmental Pollution	2022	0269-7491	<a href="https://www.sciencedirect.com/journal/environmental-pollution">https://www.sciencedirect.com/journal/environmental-pollution</a>	<a href="https://www.researchgate.net/publication/360764072_Hydrogen_sulfide_manages_hexavalent_chromium_toxicity_in_wheat_and_rice_seedlings_The_role_of_sulfur_assimilation_and_ascorbate-glutathione_cycle">https://www.researchgate.net/publication/360764072_Hydrogen_sulfide_manages_hexavalent_chromium_toxicity_in_wheat_and_rice_seedlings_The_role_of_sulfur_assimilation_and_ascorbate-glutathione_cycle</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

154	Iron oxide nanoparticles impart cross tolerance to arsenate stress in rice roots through involvement of nitric oxide.	Rai, P., Singh, V.P., Sharma, S., Tripathi, D.K., Sharma, S	Botany	Environmental Pollution	2022	0269-7491	<a href="https://www.sciencedirect.com/journal/environmental-pollution">https://www.sciencedirect.com/journal/environmental-pollution</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/35490999/">https://pubmed.ncbi.nlm.nih.gov/35490999/</a>	Yes
155	Arsenite: the umpire of arsenate perception and responses in plants	Kandhol, N., Singh, V.P., Herrera-Estrella, L., Tran, L.S.P. and Tripathi, D.K	Botany	Trends in Plant Science	2022	1360-1385	<a href="https://www.cell.com/trends/plant-science/home">https://www.cell.com/trends/plant-science/home</a>	<a href="https://www.cell.com/trends/plant-science/fulltext/S1360-1385(22)00034-6#:~:text=Arsenite%3A%20the%20umpire%20of%20arsenate%20perception%20and%20responses%20in%20plants%20Nidhi%20Kandhol&amp;text=Arsenite%20regulates%20the%20uptake%20and,stud y%20by%20Navarro%20and%20colleagues.">https://www.cell.com/trends/plant-science/fulltext/S1360-1385(22)00034-6#:~:text=Arsenite%3A%20the%20umpire%20of%20arsenate%20perception%20and%20responses%20in%20plants%20Nidhi%20Kandhol&amp;text=Arsenite%20regulates%20the%20uptake%20and,stud y%20by%20Navarro%20and%20colleagues.</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

156	Silica nanoparticles: the rising star in plant disease protection	Kandhol, N., Singh, V.P., Peralta-Videa, J., Corpas, F.J. and Tripathi, D.K.	Botany	Trends in Plant Science	2022	1360-1385	<a href="https://www.cell.com/trends/plant-science/home">https://www.cell.com/trends/plant-science/home</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S136013852100282X">https://www.sciencedirect.com/science/article/abs/pii/S136013852100282X</a>	Yes
157	Silicon nano forms in crop improvement and stress management.	Dhakte, P., Kandhol, N., Raturi, G., Ray, P., Bhardwaj, A., Srivastava, A., Kaushal, L., Singh, A., Pandey, S., Chauhan, D.K., Dubey, N.K., Sharma, S., Singh, V.P., Sahi, S., Grillo, R., Peralta-Videa, J., Deshmukh, R., Tripathi, D.K.,	Botany	Chemosphere	2022	0045-6535	<a href="https://www.sciencedirect.com/journal/chemosphere">https://www.sciencedirect.com/journal/chemosphere</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0045653521016587">https://www.sciencedirect.com/science/article/abs/pii/S0045653521016587</a>	Yes
158	An Appraisal of Ancient Molecule GABA in Abiotic Stress Tolerance in Plants, and Its Crosstalk with Other Signaling Molecules	Suhel, M., Husain, T., Pandey, A., Singh, S., Dubey, N.K., Prasad, S.M., Singh, V.P	Botany	Journal of Plant Growth Regulation	2022	0721-7595	<a href="https://www.springer.com/journal/344">https://www.springer.com/journal/344</a>	<a href="https://link.springer.com/article/10.1007/s00344-022-10610-8">https://link.springer.com/article/10.1007/s00344-022-10610-8</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

159	Hot and dry: how plants can thrive in future climates.	Siddiqui, M.H., Khan, M.N., Singh, V.P	Botany	Plant Cell Reports	2022	0721-7714	<a href="https://www.springer.com/journal/299">https://www.springer.com/journal/299</a>	<a href="https://link.springer.com/article/10.1007/s00299-022-02843-4">https://link.springer.com/article/10.1007/s00299-022-02843-4</a>	Yes
160	GABA Requires Nitric Oxide for Alleviating Arsenate Stress in Tomato and Brinjal Seedlings	Suhel, M., Husain, T., Prasad, S.M., Singh, V.P	Botany	Journal of Plant Growth Regulation	2022	0721-7595	<a href="https://www.springer.com/journal/344">https://www.springer.com/journal/344</a>	<a href="https://link.springer.com/article/10.1007/s00344-022-10576-7#:~:text=Nitric%20Oxide%20is%20Essential%20in,metal%20stress%20(Scholz%20et%20al.">https://link.springer.com/article/10.1007/s00344-022-10576-7#:~:text=Nitric%20Oxide%20is%20Essential%20in,metal%20stress%20(Scholz%20et%20al.</a>	Yes
161	Hydrogen sulphide ameliorates hexavalent chromium toxicity in two cereal crops: Role of antioxidant enzymes and proline metabolism	Singh, S.K., Husain, T., Suhel, M., Prasad, S.M., Singh, V.P.,	Botany	Plant Biology	2022	1438-8677	<a href="https://onlinelibrary.wiley.com/journal/14388677">https://onlinelibrary.wiley.com/journal/14388677</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1111/plb.13413">https://onlinelibrary.wiley.com/doi/abs/10.1111/plb.13413</a>	Yes



C.M.P. DEGREE COLLEGE, PRAYAGRAJ

162	Application of zinc oxide nanoparticles as fertilizer boosts growth in rice plant and alleviates chromium stress by regulating genes involved in regulating oxidative stress.	Prakash, V., Rai, P., Sharma, N.C., Singh, V.P., Tripathi, D.K., Sharma, S., Sahi, S	Botany	Chemosphere	2022	0045-6535	<a href="https://www.sciencedirect.com/journal/chemosphere">https://www.sciencedirect.com/journal/chemosphere</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S004565352010475">https://www.sciencedirect.com/science/article/abs/pii/S004565352010475</a>	Yes
163	Nanoparticles as a potential protective agent for arsenic toxicity alleviation in plants	Kandhol, N., Bansal, R., Parveen, N., Singh, V.P., Chauhan, D.K., Sonah, H., Sahi, S., Grillo, R., Peralta-Videa, J., Deshmukh, R. and Tripathi, D.K	Botany	Environmental Pollution	2022	0269-7491	<a href="https://www.sciencedirect.com/journal/environmental-pollution">https://www.sciencedirect.com/journal/environmental-pollution</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S026974912001014">https://www.sciencedirect.com/science/article/abs/pii/S026974912001014</a>	Yes
164	Visible light photocatalysis in the synthesis of pharmaceutically relevant heterocyclic scaffolds	<b>Vishal Srivastava,</b> Pravin K. Singh, Shraddha Tiwari and Praveen P. Singh	Chemistry	Organic Chemistry Frontiers	2022	20524110	<a href="https://www.rsc.org/journals-books-databases/about-journals/organic-chemistry-frontiers/">https://www.rsc.org/journals-books-databases/about-journals/organic-chemistry-frontiers/</a>	10.1039/d1qo01602d	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

165	Recent advances of visible-light photocatalysis in the functionalization of organic compounds	<b>Vishal Srivastava,</b> Pravin K. Singh and Praveen P. Singh	Chemistry	Journal of Photochemistry & Photobiology, C: Photochemistry Reviews	<b>2022</b>	1389-5567	<a href="https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-c-photochemistry-reviews">https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-c-photochemistry-reviews</a>	<a href="https://doi.org/10.1016/j.jphotochemrev.2022.100488">https://doi.org/10.1016/j.jphotochemrev.2022.100488</a>	Yes
166	Recent advances in visible-light graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) photocatalysts for chemical transformation	<b>Vishal Srivastava</b> and Praveen P. Singh	Chemistry	RSC Advances	<b>2022</b>	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d2ra01797k	Yes
167	Molybdenum disulfide (MoS <sub>2</sub> ) based photoredox catalysis in chemical transformations	Praveen P. Singh, Surabhi Sinha, Geetika Pandey and <b>Vishal Srivastava</b>	Chemistry	RSC Advances	<b>2022</b>	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d2ra05695j	Yes
168	Visible light-induced photoredox catalyzed C–N coupling of amides with	Shraddha Tiwari, Pravin K. Singh, Praveen P. Singh and <b>Vishal Srivastava</b>	Chemistry	RSC Advances	<b>2022</b>	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d2ra07065k	Yes

169	Molecular modelling, DFT, molecular dynamics simulations, synthesis and antimicrobial potential studies of heterocyclic nucleoside mimetics. Journal of Molecular Structure	<b>Chaurasia, H.</b> , Singh, V. K., Mishra, R., Rai, P. K., Choure, K. and Pandey, A.	Chemistry	Journal of Molecular Structure	<b>2022</b>		<a href="https://doi.org/10.1016/j.molstruc.2022.134071">https://doi.org/10.1016/j.molstruc.2022.134071</a>	<a href="https://doi.org/10.1016/j.molstruc.2022.134071">doi.org/10.1016/j.molstruc.2022.134071</a>	Yes
170	Quantitative Intermolecular Interactions Analysis and Magnetic Properties of Thiocyanatoiron(II) Complex with Nicotinamide Ligand	Deepanjali Pandey, Shahid S. Narvi, Ranjeet Kumar and Jaromir Marek	Chemistry	Russian Journal of Inorganic Chemistry	<b>2022</b>	1531-8613	<a href="https://www.springer.com/journal/11502">https://www.springer.com/journal/11502</a>	<a href="https://link.springer.com/article/10.1134/S0036023622100357">https://link.springer.com/article/10.1134/S0036023622100357</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

171	Design, synthesis, molecular modelling of heterodimer and inhibitors of $\alpha$ -amylase as hypoglycemic agents	Ved Prakash Singh, Manisha Nidhar, Pratima Yadav, Ranjeet Kumar, Priyanka Sonker and Ashish Kumar Tewari	Chemistry	Molecular Diversity	2022	1381-1991	<a href="https://www.springer.com/journal/11030">https://www.springer.com/journal/11030</a>	<a href="https://link.springer.com/article/10.1007/s11030-022-10414-8">https://link.springer.com/article/10.1007/s11030-022-10414-8</a>	Yes
172	Development of robust folded scaffold as fluorescent materials using butylidene linked pyridazine based systems via aromatic $\pi \cdots \pi$ Stacking Interactions	Priyanka Yadav;; Abhineet Verma;; Vishal Sharma, Rashmi Singh;; Tarun Yadav;; Ranjeet Kumar;; Shiv Pal;; Hariom Gupta;; Satyen Saha;; Ashish Kumar Tewari	Chemistry	New Journal of Chemistry	2022	1144-0546	<a href="https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&amp;adv">https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&amp;adv</a>	<a href="https://pubs.rsc.org/en/content/articlelanding/2022/nj/d2nj00083k">https://pubs.rsc.org/en/content/articlelanding/2022/nj/d2nj00083k</a>	Yes
173	Visible light photocatalysis in the synthesis of pharmaceutically relevant heterocyclic scaffolds	Vishal Srivastava, <b>Pravin K. Singh</b> , ShraddhaTiwari and Praveen P. Singh	Chemistry	Organic Chemistry Frontiers	2022	20524110	<a href="https://www.rsc.org/journals-books-databases/about-journals/organic-chemistry-frontiers/">https://www.rsc.org/journals-books-databases/about-journals/organic-chemistry-frontiers/</a>	10.1039/d1qo01602d	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

174	Recent advances of visible-light photocatalysis in the functionalization of organic compounds	Vishal Srivastava, <b>Pravin K. Singh</b> and Praveen P. Singh	Chemistry	Journal of Photochemistry & Photobiology, C: Photochemistry Reviews	<b>2022</b>	1389-5567	<a href="https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-c-photochemistry-reviews">https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-c-photochemistry-reviews</a>	<a href="https://doi.org/10.1016/j.jphotochemrev.2022.100488">https://doi.org/10.1016/j.jphotochemrev.2022.100488</a>	Yes
175	Visible light-induced photoredox catalyzed C–N coupling of amides with	Shraddha Tiwari, <b>Pravin K. Singh</b> , Praveen P. Singh and Vishal Srivastava	Chemistry	RSC Advances	<b>2022</b>	2046-2069	<a href="https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/">https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/</a>	10.1039/d2ra07065k	Yes
176	Experimental and Theoretical Study for Conformational Stability of Triazinone Fleximers: Quantitative Analysis for Intermolecular Interactions	Akhilesh Kumar, Praveen Singh, Ranjeet Kumar, Priyanka Yadav, Amit Jaiswal, and Ashish Kumar Tewari	Chemistry	Chemistryselect	<b>2022</b>	2365-6549	<a href="https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549">https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549</a>	Accepted: slct.202203862	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

177	Molecular modelling, DFT, molecular dynamics simulations, synthesis and antimicrobial potential studies of heterocyclic nucleoside mimetics	Hiyani Chaurasia, Vishal Singh, Richa Mishra, Kamlesh Choure, and <b>Archana Pandey</b>	Chemistry	Journal of Molecular Structure	<b>2022</b>	2046-2069	<a href="https://www.sciencedirect.com/journal/journal-of-molecular-structure">https://www.sciencedirect.com/journal/journal-of-molecular-structure</a>	10.1016/j.molstruc.2022.134071	Yes
178	Iron(III) Complexes of a Hexadentate Thioether-Appended 2-Aminophenol Ligand. Redox-Driven Spin State Switch Over	<b>Akram Ali</b> , Saumitra Bhowmik, Suman K. Barman, Narottam Mukhopadhyay, Christine E. Schiewer, Francisc Lloret, Franc Meyer, and Rabindranath Mukherjee	Chemistry	Inorganic Chemistry	<b>2022</b>	0020-1669	<a href="https://pubs.acs.org/journal/inocaj">https://pubs.acs.org/journal/inocaj</a>	10.1021/acs.inorgchem.1c03992	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

179	Controlled C-H bond activation leads to orthometalation and ring-hydroxylation in Ni(II) and Pd(II) complexes of a common tridentate azophenyl-salicylaldehyde ligand	<b>Akram Ali</b> , Saumitra Bhowmik, Arunava Sengupta, Narottam Mukhopadhyay and R. N. Mukherjee	Chemistry	Inorganica Chimica Acta	<b>2022</b>	0020-1693	<a href="https://www.sciencedirect.com/journal/inorganica-chimica-acta">https://www.sciencedirect.com/journal/inorganica-chimica-acta</a>	<a href="https://doi.org/10.1016/j.ica.2022.120960">10.1016/j.ica.2022.120960</a>	Yes
180	Catalytic reactivity supported by redox-active ligands framing: A Mini review	Manoj Kumar, Seraj Ahmad and <b>Akram Ali*</b>	Chemistry	Russian journal of Inorganic Chemistry	<b>2022</b>	1531-8613	<a href="https://www.springer.com/journal/11502">https://www.springer.com/journal/11502</a>	10.1134/S0036023622100278	Yes
181	Experimental Spectroscopic, DFT, Molecular Docking, and Molecular Dynamics Simulation Investigations on m-Phenylenediamine (Monomer and Trimer)	Aysha Fatima, <b>Akram Ali</b> , Ramya Rajan, Indresh Verma, S. Muthu, Nazia Siddiqui, Pankaj Garg, and Saleem Javed	Chemistry	Polycyclic Aromatic Compounds	<b>2022</b>	15635333, 10406638	<a href="https://www.tandfonline.com/journals/gpol20">https://www.tandfonline.com/journals/gpol20</a>	<a href="https://doi.org/10.1080/10406638.2022.2150655">10.1080/10406638.2022.2150655</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

182	Blue Light-induced Coupling of N-Hydroxysulphonamides: An Efficient and Green Approach to Access Symmetrical Thiosulfonates	<b>Santosh Kr. Srivastava</b>	Chemistry	Russian journal of Organic Chemistry	<b>2022</b>		<a href="http://www.beilstein-archives.org">www.beilstein-archives.org</a>	<a href="https://doi.org/10.1134/S1070428022060136">10.1134/S1070428022060136</a>	Yes
183	Efficient natural dye-sensitized solar cells from PVDF based polymer electrolyte filler with layered graphite	Kumari pooja, Mridula Tripathi, Priyanka Chawla	Chemistry	Degruyter Publisher	<b>2022</b>	2195-8556	<a href="https://www.degruyter.com/document/">https://www.degruyter.com/document/</a>	<a href="https://doi.org/10.1515/ijmr-2021-8638">https://doi.org/10.1515/ijmr-2021-8638</a>	Yes
184	Low-cost and efficient counter electrodes for solid-state natural dye-sensitized solar cells	Priyanka Chawla, Anant prakash pandey, Kumari pooja , and Mridula tripathi	Chemistry	Journal of Applied Electro Chemistry	<b>2022</b>	0021-891X	<a href="https://link.springer.com/content/pdf/">https://link.springer.com/content/pdf/</a>	<a href="https://doi.org/10.1007/s10800-022-01796-6">https://doi.org/10.1007/s10800-022-01796-6</a>	Yes
185	Development of Polymer Electrolyte based on Graphite/MWNTs Fillers for Sustainable Dye Sensitized Solar Cell	Kumari Pooja, Anant P. Pandey, Kalpana Awasthi, <b>Mridula Tripathi</b> and Priyanka Chawla	Chemistry	Chemical Papers	<b>2022</b>	2585-7290	<a href="https://link.springer.com/article/">https://link.springer.com/article/</a>	<a href="https://doi.org/10.1007/s11696-022-02439-y">https://doi.org/10.1007/s11696-022-02439-y</a>	Yes



C.M.P. DEGREE COLLEGE, PRAYAGRAJ

186	Quantitative inter-molecular interactions analysis and magnetic properties of thiocyanatoiron(II) complex with nicotinamide ligand	Deepanjali Pandey, Shahid S. Narvi, Ranjeet Kumar, Jaromir Marek.	Chemistry	Russian Journal of Inorganic Chemistry	2022		<a href="https://link.springer.com/article/10.1134/S0036023622100357">https://link.springer.com/article/10.1134/S0036023622100357</a>	<a href="https://link.springer.com/article/10.1134/S0036023622100357">https://link.springer.com/article/10.1134/S0036023622100357</a>	Yes
187	INDIAN CONSTITUTION AND THE HUMAN RIGHT TO ACCESS SAFE DRINKING WATER	Dr. Purnendu Mishra	Law	NIU INTERNATIONAL JOURNAL OF HUMAN RIGHTS	2022	2394-0298	<a href="https://niu.edu.in/niu-jhr/">https://niu.edu.in/niu-jhr/</a>	<a href="https://drive.google.com/file/d/13i0t3NaVWAEDAB6dKGKC2ISQZuc3CP/view?usp=share_link">https://drive.google.com/file/d/13i0t3NaVWAEDAB6dKGKC2ISQZuc3CP/view?usp=share_link</a>	Yes
188	LEGAL INSIGHT INTO CRYPTOCURRENCY	Dr. Purnendu Mishra	Law	JME	2022	2229-5348	<a href="https://xime.org/jme/jme-home">https://xime.org/jme/jme-home</a>	<a href="https://drive.google.com/file/d/13i0t3NaVWAEDAB6dKGKC2ISQZuc3CP/view?usp=share_link">https://drive.google.com/file/d/13i0t3NaVWAEDAB6dKGKC2ISQZuc3CP/view?usp=share_link</a>	Yes
189	AN ANALYTICAL VIEW AT THE PROBLEM OF MEDICAL NEGLIGENCE IN INDIA	Dr. Purnendu Mishra	Law	JOURNAL OF THE ORIENTAL INSTITUTE	2022	0030-5324	<a href="https://connectjournal.com/">https://connectjournal.com/</a>	<a href="https://drive.google.com/file/d/13i0t3NaVWAEDAB6dKGKC2ISQZuc3CP/view?usp=share_link">https://drive.google.com/file/d/13i0t3NaVWAEDAB6dKGKC2ISQZuc3CP/view?usp=share_link</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

190	UTTAR PRADESH GANGSTERS AND ANTI-SOCIAL ACTIVITIES (PREVENTION) ACT, 1986 VIS-À-VIS RIGHT(S) OF ACCUSED	Dr. Purnendu Mishra	Law	JOURNAL OF THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA`	2022	0025-0422	<a href="https://msubaroda.ac.in/MSUB_Journal">https://msubaroda.ac.in/MSUB_Journal</a>	<a href="https://drive.google.com/file/d/13i0t3NaVWAEDAB6dKGKC2ISQQzuc3CP/view?usp=share_link">https://drive.google.com/file/d/13i0t3NaVWAEDAB6dKGKC2ISQQzuc3CP/view?usp=share_link</a>	Yes
191	Graded S-Artinian Modules and Graded S-secondary Representations	Ajim Uddin Ansari, B. K. Sharma	Mathematics	Palestine Journal of Mathematics	2022	2219-5688	<a href="https://pjm.ppu.edu/">https://pjm.ppu.edu/</a>	<a href="https://pjm.ppu.edu/sites/default/files/papers/PJM_May_2022_175_to_193.pdf">https://pjm.ppu.edu/sites/default/files/papers/PJM_May_2022_175_to_193.pdf</a>	Yes
192	Graded prime ideals attached to a group graded module	Ajim Uddin Ansari, B. K. Sharma, Shiv Datt Kumar, S. Behara	Mathematics	Iranian Journal of Mathematical Sciences and Informatics	2022	2008-9473	<a href="https://ijmsi.ir/">https://ijmsi.ir/</a>	<a href="http://dx.doi.org/10.52547/ijmsi.17.2.59">http://dx.doi.org/10.52547/ijmsi.17.2.59</a>	Yes
193	On some classes of modules related to chain conditions	Surya Prakash and A. K. Chaturvedi	Mathematics	Palestine Journal of Mathematics	2022	2219-5688	<a href="https://pjm.ppu.edu/">https://pjm.ppu.edu/</a>		Yes
194	Essentially so-retractable modules and rings	Surya Prakash and A. K. Chaturvedi	Mathematics	Carpathian Mathematical Publications	2022	2075-9827(Print), 2313-0210(Online)	<a href="http://scimagojr.com">scimagojr.com</a>		Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

195	Self-Assembly of DNA-Grafted Colloids: A Review of Challenges	Atul S. Bharadwaj	Physics	Micromachines	2022	2072-666X	<a href="https://www.mdpi.com/journal/micromachines">https://www.mdpi.com/journal/micromachines</a>	<a href="https://doi.org/10.3390/mi13071102">https://doi.org/10.3390/mi13071102</a>	Yes
196	Mineralogical application of LIBS: Elemental characterization of idiochromatic, allochromatic and pseudo-chromatic	Rohit Kumar	Physics	Journal of Optics	2022	0974-6900	<a href="https://www.springer.com/journal/12596">https://www.springer.com/journal/12596</a>	<a href="https://doi.org/10.1007/s12596-022-00870-8">https://doi.org/10.1007/s12596-022-00870-8</a>	Yes
197	Characterization of toxic substances present in smoking tobacco using different spectroscopic techniques	Rohit Kumar	Physics	Journal of Laser Applications	2022	1938-1387	<a href="https://pubs.aip.org/jla">https://pubs.aip.org/jla</a>	<a href="https://doi.org/10.2351/7.0000638">https://doi.org/10.2351/7.0000638</a>	Yes
198	Investigation of Hazardous Materials in Firecrackers using LIBS Coupled with a Chemometric Method and FTIR Spectroscopy	Rohit Kumar	Physics	Defence Science Journal	2022	0011-748X	<a href="https://publications.drdo.gov.in/ojs/index.php/dsj/index">https://publications.drdo.gov.in/ojs/index.php/dsj/index</a>	<a href="https://doi.org/10.14429/dsj.72.17836">https://doi.org/10.14429/dsj.72.17836</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

199	New Insights on Modern Age Coins by Calibration-Free Laser-Induced Breakdown Spectroscopy Method and Chemometric Approaches	Rohit Kumar	Physics	Journal of Applied Spectroscopy	2022	0021-9037	<a href="https://www.springer.com/journal/10812">https://www.springer.com/journal/10812</a>	<a href="https://doi.org/10.1007/s10812-022-01425-2">https://doi.org/10.1007/s10812-022-01425-2</a>	Yes
200	A Quick Analysis of Various Elements (Heavy) in Sand Collected from the Topical River (Ganga and Yamuna) Using LIBS Coupled with Multivariate Technique	Rohit Kumar	Physics	National Academy Science Letters	2022	0250-541X	<a href="https://www.springer.com/journal/40009">https://www.springer.com/journal/40009</a>	<a href="https://doi.org/10.1007/s40009-022-01163-1">https://doi.org/10.1007/s40009-022-01163-1</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

201	Formation of self-organized nano-dimensional structures on InP surfaces using ion irradiation and their wettability: A study based on experimental and theoretical concepts of surface	H. P. Bhasker	Physics	Radiation Physics and Chemistry	2022	1879-0895	<a href="https://www.sciencedirect.com/journal/radiation-physics-and-chemistry">https://www.sciencedirect.com/journal/radiation-physics-and-chemistry</a>	<a href="https://doi.org/10.1016/j.radphyschem.2022.110353">https://doi.org/10.1016/j.radphyschem.2022.110353</a>	Yes
202	Adafruit IO based Smart Irrigation System using MQTT Protocol for Urban Farming	Rekha Srivastava	Physics	Journal of Computer Science	2022	1549-3636	<a href="https://thescipub.com/jcs">https://thescipub.com/jcs</a>	<a href="https://doi.org/10.3844/jcsp.2022.374.381">https://doi.org/10.3844/jcsp.2022.374.381</a>	Yes
203	Low-Cost Sensor Node for Crack Monitoring of Out Pipes using Non-Destructive Testing for Process Industries	Rekha Srivastava	Physics	Journal of Nano and Electronic Physics	2022	2077-6772	<a href="https://jnep.sumdu.edu.ua/en/">https://jnep.sumdu.edu.ua/en/</a>	<a href="https://doi.org/10.21272/jnep.14(3).03018">https://doi.org/10.21272/jnep.14(3).03018</a>	Yes

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

204	An Ab Initio Analysis of Structural, optical, Electronic, and Thermal Properties of Cubic SrSnO <sub>3</sub> using Wein2k	H. P. Bhasker	Physics	East European Journal of Physics	2022	2312-4539	<a href="https://periodicals.karazin.ua/eejp/index">https://periodicals.karazin.ua/eejp/index</a>	<a href="https://doi.org/10.26565/2312-4334-2022-4-16">https://doi.org/10.26565/2312-4334-2022-4-16</a>	Yes
205	Online siksha evam balko ka samajikaran	Dr. Ruchika Chaudhary	Sociology	Shodh Disha 60	2022	0975-735X	<a href="http://www.hindisahityaniket.com">www.hindisahityaniket.com</a>		Yes
206	Sajjad zaheer ka tanqeedi Rawaiva	Dr. Zaibun Nisa	Urdu	Sabaq e Urdu	2022	2321-1601	<a href="http://www.sabaqurdu.com/">http://www.sabaqurdu.com/</a>		Yes
207	Asrarul Haq Majaz:Naya Zawiya e Nazar,	Dr. Zaibun Nisa	Urdu	Sabaq e Urdu	2022	2321-1601	<a href="http://www.sabaqurdu.com/">http://www.sabaqurdu.com/</a>		Yes
208	Urdu Adab aur Nai samaji Fikryaat	Dr. Zaibun Nisa	Urdu	Sabaq e Urdu	2022	2321-1601	<a href="http://www.sabaqurdu.com/">http://www.sabaqurdu.com/</a>		Yes
209	Insani Qadren aur aaj ka Muashra	Dr. Zaibun Nisa	Urdu	Sabaq e Urdu	2022	2321-1601	<a href="http://www.sabaqurdu.com/">http://www.sabaqurdu.com/</a>		YES

C.M.P. DEGREE COLLEGE, PRAYAGRAJ

210	Assessment of hazardous impact of nickel oxide nanoparticles on biochemical and histological parameters of gills and liver tissues of Heteropneustes fossilis.	Samim A.R., Singh V.K., Vaseem H.	Zoology	Journal of Trace Elements in Medicine and Biology	2022	0946-672X	Journal of Trace Elements in Medicine and Biology   ScienceDirect.com by Elsevier	doi: 10.1016/j.jtemb.2022.127059	Yes
211	The approach of biodiversity conservation through the adoption of different ecosystem services.	Verma, J., Pant H. and Srivastava P	Zoology	Journal of Experimental Zoology	2022	0972-0300	JOURNAL OF EXPERIMENTAL ZOOLOGY INDIA   DR. P. R. YADAV   DR. P. R. YADAV (connectjournals.com)	DOI: https://doi.org/10.51470/jez.2023.26.1.101	Yes