

(2019-2020)

S. No.	Authors names	Title of the paper	Journal details	Year
Biomedical Sciences				
1.	Rani J, Silla Y, Borah K, Ramachandran S & Bajpai, U	Repurposing of FDA-approved drugs to target MurB and MurE enzymes in <i>Mycobacterium tuberculosis</i>	Journal of Biomolecular Structure and Dynamics, pp. 1-12	2019
2.	Eniyan K, Rani J, Ramachandran S, Bhat R, Khan IA & Bajpai U .	Screening of Antitubercular Compound Library Identifies Inhibitors of Mur Enzymes in <i>Mycobacterium tuberculosis</i>	SLAS Discovery, pp. 1-9.	2019
3.	Sinha A, Eniyan K, Manohar P, Ramesh N & Bajpai U	Characterization and genome analysis of B1 sub-cluster mycobacteriophage PDRPxv	Virus Research, Vol. 279, pp. 197884	2020
4.	Singh I, Priyam A, Jha D, Dhawan G , Gautam HK & Kumar P	Polydopamine –aminoglycoside nanoconjugates: Synthesis, characterization, antimicrobial evaluation and cytocompatibility	Materials Science and Engineering C, Vol. 107, pp. 110284	2019
5.	Chaudhary R & Kumar V	Sightings of <i>Jamides bochus</i> (Stoll, [1782]) and <i>Prosotas nora</i> (C. Felder, 1860) (Insecta: Lepidoptera: Lycaenidae) from urbanized parts of New Delhi, India	Bionotes, Vol. 21, pp. 3-5	2019
6.	Shahnaj S, Chowhan RK , Potshangbam AM, Kakchingtabam P, Singh KH, Singh LR, Nongdam P, Fisher A. B. and Rahaman, H	Hyperoxidation of Peroxiredoxin 6 Induces Alteration from Dimeric to Oligomeric State	Antioxidants, Vol. 8(33)	2019
7.	Shahnaj S, Potshangbam AM, Chowhan RK , Parray ZA, Kakchingtabam P, Kumari A, Islam A, Khan A, Singh LR & Rahaman H	The anti-oxidant enzyme, Prdx6 might have cis-acting regulatory sequence(s)	International Journal of Biological Macromolecules, Vol. 149, pp. 1139–1150.	2020
8.	Shahnaj S, Potshangbam AM, Chowhan RK , Parray ZA, Kakchingtabam P, Kumari A, Islam A, Khan A, Singh LR & Rahaman H	The anti-oxidant enzyme, Prdx6 might have cis-acting regulatory sequence(s)	International Journal of Biological Macromolecules, Vol. 149, pp. 1139–1150.	2020
9.	Prasad P, Singh N , Das B, Raisuddin S, Dudeja M & Rastogi S	Cytokine-induced expression of nitric oxide synthases in <i>Chlamydia trachomatis</i> -infected spontaneous aborters	Journal of Maternal-Fetal and Neonatal Medicine, 32(21), 3511-3519	2019
10.	Singh N , Prasad P, Das B & Rastogi S	Does tumour necrosis factor alpha-induced cyclooxygenase-2 expression lead to spontaneous abortion in <i>Chlamydia trachomatis</i> -infected women	Microbial Pathogenesis (Accepted)	2019

11.	Pradhan P , Srivastava A, Singh J, Biswas B, Saini A, Siddique I, Kumar S & Kundu, B	Prion protein transcription is auto-regulated through dynamic interactions with G-quadruplex motifs in its own promoter	Biochimica et Biophysica Acta (BBA)-Gene Regulatory Mechanisms, pp. 194479	2020
Botany				
	Mangla Y , Das K, Bali S, Ambreen H, Raina SN, Tandon, R & Goel S	Occurrence of subdioecy and scarcity of gender-specific markers reveal an ongoing transition to dioecy in Himalayan seabuckthorn (<i>Hippophae rhamnoides</i> ssp. <i>turkestanica</i>)	Heredity, Vol. 122, pp. 120-132	2019
Chemistry				
12.	Gautam D, Lal S & Hooda S	Adsorption of Rhodamine 6G Dye on Binary System of Nanoarchitectonics Composite Magnetic Graphene Oxide Material	Journal of Nanoscience and Nanotechnology, Vol. 20, pp. 1-7	2019
13.	Lal S, Prakash K, Hooda S , Kumar V & Kumar P	Ibuprofen based chemosensor for efficient binding and sensing of Cu ²⁺ ion in aqueous medium	Journal of Molecular Structure, Vol. 1199, pp. 1-8	2020
14.	Lal S, Prakash K, Khera N, Drashya, Singh S, Singh A, Hooda S & Chandra R	Curcumin based supramolecular ensemble for optical detection of Cu ²⁺ and Hg ²⁺ ions	Journal of Molecular Structure, Vol. 1211, pp. 128091	2020
15.	Lal S, Prakash K, Khera N, Hooda S	CCDC 1997225	Experimental Crystal Structure Determination, DOI: 10.5517/ccdc.csd.cc2518m4	2020
16.	Singhal S, Khanna P & Khanna L.	Synthesis, DFT studies, molecular docking, antimicrobial screening and UV fluorescence studies on ct-DNA for novel Schiff bases of 2-(1-aminobenzyl) benzimidazole	Heliyon, Vol. 5(10), pp. e02596.	2019
17.	Singhal S, Khanna P , Panda SS & Khanna L	Recent Trends in the Synthesis of Benzimidazoles from o-Phenylenediamine via Nanoparticles and Green Strategies Using Transition Metal Catalysts	Journal of Heterocyclic Chemistry, Vol. 56(10), pp. 2702-2729.	2019
Computer Science				
18.	Saxena R, Kaur S & Bhatnagar V	Identifying similar networks using structural hierarchy	Physica A: Statistical Mechanics and Its Applications 10.1016/j.physa.2019.04.265	2019
19.	Mishra S, Samal CK , Yadav N & Choudhury RK	The impact of various digitized social networking media through text, images and videos on language usage	International Journal of Scientific and Technology Research, Vol. 8(10)	2019
Electronics				

20.	Kumar S, Garg A & Chowdhuri A	Comparison of water purification properties of Graphene Oxide (GO) membranes with tuned interlayer spacings	Materials Research Express, Vol. 6, pp. 015604	2019
21.	Kumar S, Garg A & Chowdhuri A	Sonication effect on graphene oxide (GO) membranes for water purification applications.	Materials Research Express, Vol. 6, pp. 085620.	2019
22.	Chetna, Kumar S, Garg A, Chowdhuri A, Jain A & Kapoor A	A novel method of electrochemically growing ZnO nanorods on graphene oxide as substrate for gas sensing applications	Materials Research Express, Vol. 6, pp. 075039	2019
23.	Chugh N, Kumar M, Bhattacharya M & Gupta RS	Analysis of Al _{0.15} Ga _{0.85} N/GaN/Al _{0.15} Ga _{0.85} N DH-HEMT for RF and Microwave Frequency Applications	Semiconductors, 53(13), 1784–1791	2019
24.	Chugh N, Kumar M, Bhattacharya M & Gupta RS	Sheet carrier concentration and current–voltage analysis of Al _{0.15} Ga _{0.85} N/GaN/ Al _{0.15} Ga _{0.85} N double heterostructure hemt incorporating the effect of traps	Microsystem Technologies. https://doi.org/10.1007/s00542-019-04322-5	2019
Mathematics				
25.	Kumar S, Singh C, Prasad S, Shekhar C & Aggarwal R	Synchronization of fractal order Rabinovich-Fabrikant systems using sliding mode control techniques	Archives of Control Sciences, 29(LXV) No. 2, pp. 307-322	2019
26.	Ansari A, Prasad SN & Alam M	Research and Review	Journal of Physics, Vol. 9(1)	2020
27.	Prasad SN & Ansari A	Generalized elliptic restricted four-body problem with variable mass	Astronomy Letters (Accepted) Russia	2020
28.	Prasad SN, Meena KR & Ansari A	Complexity Dynamics of Gumowski-Mira Map. review	AAM journal (Accepted)	2020
Zoology				
29.	Kumar S	Influence of open educational resources on educational practices in the Global South	Nature Human Behaviour, Vol. 3, pp. 540-541	2019
30.	Mishra M, Gupta KK & Kumar S	Diminished activity of larval midgut transaminases and phosphatases in <i>Helicoverpa armigera</i> Hübner (Lepidoptera) induced by dietary stem extracts of <i>Thevetia neriifolia</i> .	The Journal of the Lepidopterists' Society, 73(1), 23-33.	2019
31.	Sharma A, Tripathi P & Kumar S	One-pot synthesis of silver nanocomposites from <i>Achyranthes aspera</i> : An eco-friendly larvicide against <i>Aedes aegypti</i> L.	Asian Pacific Journal of Tropical Biomedicine, Vol. 10(2), pp. 54-64.	2020
32.	Aggarwal D, Sharma A & Kumar S	Optimizing synthesis of citrus limetta peel silver nanocomposites possessing larvicidal potential against dengue vector, <i>Aedes aegypti</i> L.	Advances in Zoology and Botany, Vol. 8(1), pp. 12-19	2020
33.	Kumar M, Kumar P, Das P & Kapur MK	Draft genome of <i>Streptomyces</i> sp. strain 130 and functional analysis of extracellular enzyme producing genes	Molecular Biology Reports.	2019

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34.	Kumar P, Kundu A, Kumar M, Solanki R & Kapur MK	Exploitation of potential bioactive compounds from two soil derived actinomycetes, <i>Streptomyces</i> sp. strain 196 and RI.24	Microbiological Research 229. https://doi.org/10.1016/j.micres.2019.126312	2019
35.	Somasundaram S, Abraham JS, Maurya S, Toteja R , Gupta R & Makhija S	Expression and molecular characterization of stress responsive genes (hsp70 and Mn-sod) and evaluation of antioxidant enzymes (CAT and GPx) in heavy metal exposed freshwater ciliate, <i>Tetmemena</i> sp.	Molecular Biology Reports, Vol. 46, pp. 4921-4931.	2019
35.	Kamra K, Kaur H, Na S, Abraham JS, Somasundaram S, Makhija S , Toteja R , Warren A & Gupta R	Symposium Report: International Symposium on Ciliate Biology, India Habitat Centre, New Delhi, India, 04–06 April 2018	Journal of Eukaryotic Microbiology, Vol. 67(2), pp. 296-299	2020
36.	Gupta R, Abraham JS, Sripoorna S, Maurya S, Toteja R , Makhija S , Al-Misned FA & El-Serehy HA	Description of a new species of <i>Tetmemena</i> (Ciliophora, Oxytrichidae) using classical and molecular markers	Journal of King Saud University – Science (In Press)	2020