

(2018-2019)

S. No.	Authors names	Title of the paper	Journal details	Year
Biomedical Sciences				
1.	Bajpai U, Mehta AK , Eniyan K, Sinha A, Ray A, Viridi S, Ahmad S, Shah A, Arora D, Marwaha D, Chauhan G, Saraswat P, Bathla P & Singh R	Isolation and characterization of bacteriophages from India, with lytic activity against <i>Mycobacterium tuberculosis</i>	Canadian Journal of Microbiology, Vol. 64, pp. 1-9	2018
2.	Eniyan K, Dharavath S, Vijayan R, Bajpai U & Gourinath S	Structure of UDP-N-acetylglucosamine-enolpyruvate reductase (MurB) from <i>Mycobacterium tuberculosis</i>	Biochemica et Biophysica Acta (BBA)- Protein and Proteomics, Vol. 1866(3), pp. 397-406	2018
3.	Chugh H, Sood D, Chandra I, Tomar V, Dhawan G & Chandra R	Role of gold and silver nanoparticles in cancer nano-medicine	<i>Artificial Cells, Nanomedicine, and Biotechnology</i> (Taylor and Francis Publishers, UK) DOI: 10.1080/21691401.2018.1449118	2018
4.	Liu S, Yosief HO, Dai L, Huang H, Dhawan G , Zhang X, Muthengi AM, Roberts J, Buckley D, Wu L, Bradner J, Qi J & Zhang W	Structure guided design and development of potent and selective dual Bromodomain 4 (BRD4)/Polo-like Kinase 1 (PLK1) inhibitors	<i>Journal of Medicinal Chemistry</i> (American Chemical Society), 61, 7785-7795	2018
5.	Muthengi A, Zhang X, Dhawan G , Zhang W, Corsini F & Zhang W	Sequential [3+2] cycloaddition and [5+n] annulation reactions for modular synthesis of dihydrobenzoxazines, tetrahydrobenzoxazepines and tetrahydrobenzoxazocines	<i>Green Chemistry</i> (RSC, London) 20, 3134-3139	2018
6.	Liu M, Zhang X, Huang X, Dhawan G , Evans J, Kaur M, Jasinski JP & Zhang W	Recyclable organocatalysts for one-pot asymmetric synthesis of Dihydrofuranone and Tetrahydropyranone Spirooxindoles	European Journal of Organic Chemistry, Vol. 1, pp. 150-155	2019
7.	Prasad P, Singh N , Das B, Raisuddin S, Dudeja M & Rastogi S	Cytokine induced expression of nitric oxide synthases in Chlamydia trachomatis-infected spontaneous aborters	Journal of Maternal-Fetal & Neonatal Medicine DOI: 10.1080/14767058.2018.1465914	2018
Botany				
8.	Gupta CK , Singh JP, Chopra P, Raj VB , Chowdhuri A	Gauging the nature and magnitude of Particulate Matter (PM) concentrations in Bengaluru, the IT capital of India	DU Journal of Undergraduate Research and Innovation, Vol. 3(2), pp. 71-81	2018
Chemistry				

9.	Khanna L, Khanna P & Jain SC	A concise synthesis of 2-alkenyl-3-phenyl-4H-chromen-4-ones via novel C-C bond formation using sulfone as potential intermediate	Indian Journal of Chemistry, Vol. 57B, pp. 945-954	2018
10.	Panda SS, Girgis AS, Prakash A, Khanna L, Khanna P , Shalaby EM, Fawzy NG & Jain SC	Protective effects of <i>Aporosa octandra</i> bark extract against D-galactose induced cognitive impairment and oxidative stress in mice	Heliyon, Vol. 4, pp. e00951	2018
11.	Lal S, Hooda S , Kumar A, Kumar S, Singh A, Singh S, Chandra R, Kumar V, Uberoi V , Gambhir G , Drashya	Acrylonitrile copolymer based membrane sensor for selective detection of Pb ²⁺ ions in aqueous medium	International Journal of Advanced Educational Research, Vol. 3(2), pp. 107-113	2018
12.	Lal S, Kumar S, Hooda S & Kumar P.	A highly selective sensor Cu ²⁺ and Fe ³⁺ ions in aqueous medium: Spectroscopic, computational and cell imaging studies	<i>Journal of Photochemistry and photobiology: Chemistry</i> , Vol. 364, pp. 811-818	2018
13.	Lal S, Kumar V, Joshi MC & Hooda S	Heterolytic Metal Complexes of Curcumin and 2,2'-Bipyridine Ligands: Synthesis, Characterization, Molecular Modeling and Their Preliminary Antimicrobial Investigation	Academia Romana, Revue Roumaine de Chimie, Vol. 63(4), pp. 299-307.	2018
14.	Sharma SP & Hooda S	An Analysis on Recent Technological Developments in Green Chemistry: Biocatalytic Processes	Journal of Advances and Scholarly Researches in Allied Education 15(11), 262-275	2018
Computer Science				
15.	Saxena R, Kaur S & Bhatnagar V	Social centrality using network hierarchy and community structure	Data Mining and Knowledge Discovery, Vol. 32(5), pp. 1421-1443	2018
Electronics				
16.	Chetna, Kumar S, Garg A , Chowdhuri A , Jain A, Kapoor A	Structural and optical properties of electrochemically deposited ZnO nanorods by using graphene oxide and ITO as substrate material: A comparative study	Materials Research Express 5 095024 doi.org/10.1088/2053-1591/aad7a5	2018
17.	Kumar S, Garg A & Chowdhuri A	Comparison of water purification properties of Graphene Oxide (GO) Membranes with tuned interlayer spacings	Materials Research Express 6 015604, doi.org/10.1088/2053-1591/aae416.	2018
18.	Kumari A, Abhijeet, Sharma A, Baliyan AK, Kiran & Kaur R	Gesture recognizing smart system	DU Journal of Undergraduate Research and Innovation, Vol. 3(2), pp 01-11	2018
Mathematics				
19.	Abdullah A. Ansari, Ziyad Ali AlHussain and Prasad S N	Circular Restricted three-body problem when both the primaries are	J.Astrophys.Astr., Vol. 39, pp.57	2018.

		heterogeneous spheroid of three layer and infinitesimal body varies its mass		
20.	L. M. Saha, Prasad S N	Complexity Dynamics of Invertible Henon Map	Indian Journal of Industrial and Applied Mathematics, Vol. 9, (1), 54-59	2018
Zoology				
21	Dagar VS & Kumar S	Emamectin Benzoate: Potential larvicide and antifeedant agent against cotton boll worm <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae)	Journal of Applied and Natural Sciences, Vol. 10(2), pp. 564-571	2018
22.	Kumar S , Sharma A & Warikoo R	Potential of <i>Nardostachys jatamansi</i> extracts to manage Indian strain of <i>Aedes aegypti</i> : A novel approach for vector control	Vector Biology Journal, Vol. 3(1), pp. 1-5	2018
23.	Mishra M, Gupta KK & Kumar S	Growth regulatory and growth inhibitory effects of <i>Thevetia neriifolia</i> stem extracts on <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae)	Archives of Phytopathology and Plant Protection, DOI: 10.1080/03235408.2018.1521324	2018
24.	Samal RR & Kumar S	Status of <i>Aedes aegypti</i> L. against different classes of insecticides in New Delhi, India to formulate mosquito control strategy in fields	Open Parasitology Journal, 6: 52-62	2018
25.	Shamsi TN, Parveen R, Ahmad A, Samal RR, Kumar S & Fatima S	Inhibition of gut proteases and development of dengue vector, <i>Aedes aegypti</i> by <i>Allium sativum</i> protease inhibitor	Acta Ecologica Sinica, Vol. 38(5), pp. 325-328	2018
26.	Sharma A, Kumar S & Tripathi P	Effects of <i>Achyranthes aspera</i> extracts on the survival and midgut histo-architecture of <i>Aedes aegypti</i> L. early IV instars	Open Parasitology Journal, Vol. 6, pp. 41-51	2018
27.	Mishra M, Gupta KK & Kumar, S	Diminished activity of midgut enzymes in <i>Helicoverpa armigera</i> Hübner (Lepidoptera; Noctuidae) larvae induced by dietary stem extracts of <i>Thevetia neriifolia</i>	Journal of Lepidopterist's Society (Accepted)	2018
28.	Abraham JS, Somasundaram S, Maurya S, Makhija S , Gupta R & Toteja R	Techniques and tools for species identification in ciliates: A review	International Journal of Systematic and Evolutionary Microbiology, Vol. 69(4), pp. 877-894	2019
29.	Abraham JS, Sripoorna S, Dagar J, Jangra S, Kumar A, Yadav K, Singh S, Goyal A, Maurya S, Gambhir G , Toteja R , Gupta R, Singh DK, El-	Soil ciliates of the Indian Delhi Region: Their community characteristics with emphasis on their ecological implications as sensitive bio-indicators for soil quality	Saudi Journal of Biological Sciences, Vol. 26(6), pp. 1305-1313	2019

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