

(2017-2018)

S. No.	Authors names	Title of the paper	Journal details	Year
Biomedical Sciences				
1.	Eniyan K, Dharavath S, Vijayan R, Bajpai U & Gourinath S	Crystal structure of UDP-N-acetylglucosamine-enolpyruvate reductase (MurB) from Mycobacterium tuberculosis	Biochimica et Biophysica Acta(BBA)-Proteins and Proteomics, Vol. 1866(3), pp. 397-406	2018
2.	Zhang W & Dhawan G	A brief overview of chemical and biological synthesis of vanillin flavour	Journal of Shanghai Institute of Technology (Natural science), Vol. 17(2), pp. 102-111	2017
3.	Zhang X, Dhawan G , Muthengi A, Liu S, Wang W, Legris M & Zhang W	One-pot and catalyst-free synthesis of pyrroloquinolinediones and quinolinedicarboxylates	Green Chemistry, Vol. 19(16), pp. 3851-3855	2017
4.	Jetly S , Verma N, Naidu K, Faiq MA, Tulika S & Saluja D	Alterations in the reactive oxygen species in peripheral blood of chronic myeloid leukemia patients from Northern India	Journal of Clinical and Diagnostic Research, Vol. 11(8), pp. XCO1-XO5	2017
Botany				
5.	Gupta CK & Chowdhuri A	Virtual Learning Environment (VLE)- A platform to enhance quality education	International Journal on Education Growth and Research, Vol. 2(1)	2017
Chemistry				
6.	Sharma SV & Hooda S	An analysis upon various strategies for redesign and direct evolution of enzyme engineering	Journal of Advances in Science and Technology, Vol. 13, pp. 144-150	2017
7.	Khanna P , Khanna L, Thomas SJ, Asiri AM & Panda SS	Microwave assisted synthesis of spiro heterocyclic systems: A review	Current organic chemistry, Vol. 22(1), pp. 67-84	2018
8.	Kumar R, Arya DK , Singh N & Vats HK	Comparative study of removal of Cu and Pb from aqueous solution by using modified rice husk ask as an adsorbent	International Journal of Chemistry and Applications, Vol. 9(1), pp. 15-21	2017
9.	Kumar R, Arya DK , Singh N & Vats HK	Developing a low cost activated carbon from agricultural waste for the removal of heavy metal from contaminated waste	International Journal of Applied Chemistry, Vol. 13(3), pp. 453-460	2017
Computer Science				
10.	Chaudhary U, Samal CK & Kumar V	Online signature verification: A review	IOSR Journal of Computer Engineering, Vol. 19(2), pp. 33-37	2017
11.	Choudhury RK & Samal CK	Comparative analysis on path planning algorithm's on mobile robot in image processing	International Journal of Advance Engineering and Research	2017

			Development, Vol. 4(8), pp. 30-37	
12.	Choudhury RK & Samal CK	Impact of DDA optimization on mobile robot path planning for mixed image in image processing	International Journal of Advanced Research in Computer Science, Vol. 8(8), pp. 474-480	2017
13.	Choudhury RK & Samal CK	Target assignment in robotics and its distance optimality using DDA optimization in image processing	International Journal of Science and Research Methodology, Vol. 7(3), pp. 30-40	2017
14.	Choudhury RK, Kumar S & Samal CK	Mobile robot path planning approach: A review	International Journal of Advanced Scientific Research and Management, Vol. 2(8), pp. 132-139	2017
15.	Samal CK & Choudhury RK	Architecture based on environmental monitoring system using zigbee wireless sensor networks	International Journal of Advanced Scientific Research and Management, Vol. 2(8), pp. 123-129	2017
16.	Samal CK	A review on multiple channel allocation in mobile ad hoc networks	International Journal of Advance Engineering and Research Development, Vol. 4(7), pp. 441-447	2017
17.	Samal CK , Choudhury RK, Kumar V & Mishra S	Low power consumption in zigbee wireless networks: A, review	International Journal of Advance Engineering and Research Development, Vol. 4(12), pp. 879-886	2017
18.	Samal CK & Choudhury RK	Bandwidth efficient broadcast protocols in manets: A review	International Journal of Computer Sciences and Engineering, Vol. 6(1), pp. 49-54	2018
Electronics				
19.	Hariwal VR, Malik HK, Negi A & Kandasami A	Controlling room temperature ferromagnetism and band gap in ZnO nanostructured thin films by varying angle of implantation	Royal Society of Chemistry Advances, Vol. 8(12), pp. 6278-6287	2018
Mathematics				
20.	Sharma A, Sharma U & Singh C	A robust replenishment model for deteriorating items considering ramp-type demand and inflation under fuzzy environment	International Journal of Logistics Systems and Management, Vol. 28(3), pp. 287-307	2017
21.	Singh C & Singh SR	Supply chain model with two storage facility for stock dependent demand incorporating learning and inflationary effect under crisp and fuzzy environment	International Journal of Fuzzy System Applications, Vol. 6(2), pp. 82-109	2017

22.	Sharma A, Sharma U & Singh C	An analysis of replenishment model of deteriorating items with ramp-type demand and trade credit under the learning effect	International Journal of Procurement Management, Vol. 11(3), pp. 313-342	2018
Physics				
23.	Joshi YC, Joshi MC, Chopra V, Joshi RK, Sharma RK & Kumar V	Sportsmen's energy package <i>Cordyceps sinensis</i> : Medicinal importance and responsible phytochemical constituents	American Journal of Essential Oils and Natural Products, Vol. 5(2), pp. 37-51	2017
Zoology				
24.	Kumar S , Warikoo R, Mishra M, Samal RR, Rana S, Panmei K, Dagar VS & Sharma A	Impact of <i>Ocimum basilicum</i> leaf essential oil on the survival and behaviour of an Indian strain of Dengue Vector, <i>Aedes aegypti</i> L.	Vector Biology Journal, Vol. 2, pp. 2	2017
25.	Sharma A, Kumar S & Tripathi P	Assessment of <i>Achyranthes aspera</i> induced toxicity and molecular analysis of RAPD-PCR profiles of larval genomic DNA of <i>Aedes aegypti</i> L.	Journal of Parasitic Diseases, Vol. 41(4), pp. 1066-1073	2017
26.	Shukla RK, Kumar S & Tripathi P	<i>Pseudomonas aeruginosa</i> : Isolation, characterization and evaluation of larvicidal efficacy against <i>Aedes aegypti</i> L.	European Journal of Biomedical and Pharmaceutical Sciences, Vol. 4(9), pp. 660-669	2017
27.	Shrankhla & Kumar S	Larvicidal activities of petroleum ether extracts of different fruit peel wastes against an Indian strain of filarial vector, <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae)	European Journal of Biomedical and Pharmaceutical Sciences, Vol. 5(2), pp. 1074-1078	2018
28.	Sharma A, Kumar S & Tripathi P	A facile and rapid method for green synthesis of <i>Achyranthes aspera</i> stem extract-mediated silvernanocomposites with cidal potential against <i>Aedes aegypti</i> L.	Saudi Journal of Biological Sciences (Accepted)	2020
29.	Das P, Kumar P, Kumar M, Solanki R & Kapur MK	Bioprospecting xylanase enzymes from diverse ecological habitats	International Research Journal of Natural and Applied Sciences, Vol. 4, pp. 328-362	2017
30.	Das P, Kumar P, Kumar M, Solanki R & Kapur MK	Purification and molecular characterization of chitinases from soil actinomycetes	African Journal of Microbiology Research, Vol. 11(27), pp. 1086-1102	2017
31.	Gupta R, Abraham JS, Sripoorna S, Toteja R , Makhija S & El-Serehy HA	Taxonomic and morphogenetic description of the freshwater ciliate <i>Aponotohymena isoaustralis</i> n. sp. (Ciliophora; Oxytrichidae) isolated from Sanjay lake, Delhi, India	Acta Protozoologica, Vol. 56(2), pp. 93-107	2017

32.	Abraham JS, Sripoorna S, Choudhary A, Toteja R , Gupta R, Makhija S & Warren A	Assessment of heavy metal toxicity in four species of freshwater ciliates (Spirotrichea; Ciliophora) from Delhi, India	Current Science, Vol. 113(11), pp. 2141-2150	2017
33.	Toteja R , Makhija S , Sripoorna S, Abraham JS & Gupta R	Influence of copper and cadmium toxicity on the activity of an antioxidant enzyme, superoxide dismutase in freshwater ciliates	Indian Journal of Experimental Biology, Vol. 55, pp. 694-701	2017
34.	Somasundaram S, Abraham JS, Maurya S, Makhija S , Gupta R & Toteja R	Cellular and molecular basis of heavy metal-induced stress in ciliates	Current Science, Vol. 114(9), pp. 1858-1865	2018
35.	Kaur M, Devi R, Ghosh T, Khan MM, Kumar P, Kar PA, Sharma A , Varshney A, Kumar V & Saxena S	Sld5 Ensures centrosomal resistance to congression forces by preserving centriolar satellites	Molecular and Cellular Biology, Vol. 38(2), pp. e00371-17	2018