

RayatShikshanSanstha's
YashavantraoChavan Institute of Science
(Autonomous)Satara-415001

List of Total Publications (2018-2021) = 173

Sr. No.	Title of Paper	Title of Journal	Year of Publication
1	A robust and self-assembled route to synthesis of CdZn(Se _{1-x} Te _x) ₂ photoanodes as light harvesters for photoelectrochemical solar cells	Journal of Materials Science: Materials in Electronics 29(14), 11763-11773	2018
2	An Organic Bipolar Resistive Switching Memory Device Based on Natural Melanin Synthesized From Aeromonas sp. SNS	Physica status solidi(a) 215(24), 1800550	2018
3	Biodiversity of unicellular cyanobacteria from some rice field soils of Satara District (MS)	International Journal of Life Sciences. Special Issue A10:144-147	2018
4	Biosynthesis, Characterization and Antibacterial Capability of Silver and Copper Nanoparticles Using Aqueous Leaf Extract of Salicaria chinensis L	Journal of Nanomedicine and Nanotechnology 9(1), 484	2018

5	Biotechnological interventions for propagation, conservation and improvement of 'Lantern Flowers' (Ceropegiaspp.)	South African Journal of Botany 114,192-216	2018
6	Control of bacterial blight disease of pomegranate using silver nanoparticles	J NanosciNanotechnol 9,1-5	2018
7	Decolorization and detoxification of reactive azo dyes using cell cultures of a memory tonic herb Evolvulus alsinoidesL.	Journal of environmental chemical engineering 6(5), 6479-6488	2018
8	Detection and characterization of polymorphic simplesequence repeats markers for the analysis of genetic diversity in Indian mungbean [Vignaradiata (L.)Wilczek]	IndianJ GenetPIBr78,111-117	2018
9	Effect of deposition potential on efficiency of TiO ₂ /Cu ₂ O photo electrochemical cells	Journal of Materials Science:Materials in Electronics29(10), 8473-8479	2018
10	Effect of Nd ³⁺ substitution on structural and magnetic properties of Mg–Cd ferrites synthesized by microwaves intering technique	Journal of Rare Earths 36(4),390-397	2018
11	Enhancement in thermoelectric performance of Cu ₃ SbSe ₄ thin films by In(III)doping ;synthesized by arrested precipitation technique	Journal of Materials Science:Materials in Electronics 29(10), 8793-8800	2018

12	First report of rust fungi <i>Puccinia duthiae</i> on <i>Dichanthium foveolatum</i> from India	Journal of Threatened Taxa 10(2), 11354-11355	2018
13	First report of <i>Podosphaera xanthii</i> causing powdery mildew on <i>Xanthium strumarium</i> in India	Journal of Plant Pathology 100(1), 129-129	2018
14	Herbicide effects on pigments and antioxidant enzymes of <i>Portulacaoleracea</i> L.	Journal of Pharmacognosy and Phytochemistry 7(1), 2024-2031	2018
15	Hierarchical nanostructures of nitrogen-doped molybdenum sulphide for supercapacitors	RSC Advances 8(69), 39749-39755	2018
16	Histopathological study of Etova P-400 on liver and kidney of <i>Mus musculus</i>	Aahat Multidisciplinary International Education Research Journal (AMIER), 7, 1-4	2018
17	Hydrothermal synthesis of β -Ni(OH) ₂ and its supercapacitor properties	AIP Conference Proceedings 1942(1), 140059	2018
18	In-situ synthesis of silica aerogel in polyethylene terephthalate fibre non wovens and their composite properties on acoustical absorption behavior	Journal of Porous Materials 25(1), 179-187	2018

19	Intuitionistic fuzzy deamodel swith centroid	International Journal of Agricultural and Statistical Sciences 14 (1),7-12	2018
20	Magnolol:Aneolignan from the Magnolia family for the prevention and treatment of cancer	International journal of molecular sciences 19(8), 2362	2018
21	Micropropagation, metabolite profiling, antioxidant activities and chromatographic determination of bioactive molecules across in vitro conditions and subsequent field cultivation stages of 'Shampoo Ginger'(Zingiberzerumbet L. Roscoe exSm)	Biocatalysis and agricultural biotechnology16,79-89	2018
22	Microwave sintered Mg-Cd ferrite substrates formicro strip patch antennas inX-band	AEU-International Journal of Electronics and Communications 96,246-251	2018
23	Morpho anatomy, phenology and palynology of an invasive weed Altern anther ficoidea(L.)P.Beauv.	Journal of Pharmacy and Biological Sciences.13(5):18-23	2018
24	Multiitem two-ware house fuzzy inventory model	International Journal of Procurement Management 11(4), 443-454	2018
25	Novel catalytic application of Ni@ZnO nanoparticles and ZnO nanoflakes in aqueous solution of NaPTS hydrotrope at room temperature via a green synthesis of 3,4-dihydropyrimidin-2(1H)-ones	Research on Chemical Intermediates44(5), 3097-3113	2018

26	Performance of a wide band cadmium ferrite microstrip patch antenna in the X-band region	Journal of Electronic Materials 47(1),577-584	2018
27	Photoelectrochemical study of electrodeposited TiO ₂ thin films onto F:SnO ₂ substrates	Research on Chemical Intermediates 44(12), 7277-7288	2018
28	pH-Transformed ZnO-NPs/NaPTS: The First Room-Temperature Brisk Synthesis of Flavanones in Aqueous Medium	ChemistrySelect 3(46),13197-13206	2018
29	Protozoan fauna of freshwater habitat in water body on Ajinkyatara fort, Dist. Satara, Maharashtra, in December 2017	International Journal of Recent Scientific Research, 9,3(K),25395-25398	2018
30	Quick and low cost synthesis of sulphur doped carbon dots by simple acidic carbonization of sucrose for the detection of Fe ³⁺ ions in highly acidic environment	Diamond and Related Materials, 88,262-268	2018
31	Silver Nanoparticles: The Powerful Antidote for Bacterial Blight Disease of Pomegranate	Journal of Nanoscience and Technology, 4,21-423	2018
32	Somatic embryogenesis and evaluation of genetic fidelity in <i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson	Journal of Crop Improvement 32(6), 801-811	2018

33	Studies on cyanobacteria: Spirulina isolated from Satara District, Maharashtra	International Journal of Life Sciences Research.6(3):261-270	2018
34	Study of Spirotricha ciliates for their occurrence in an artificial water body in the campus of kisan veer mahavidyalaya, wai, during june2017 to february2018	International Journal of Recent Scientific Research,9,4(B),25650-25651	2018
35	Surfactant mediated synthesis of bismuth selenide thin films for photoelectrochemical solarcell applications	Journal of colloid and interface science 514, 250-261	2018
36	Synthesis of tin sulphide thin film by simple arrested precipitation technique for solarcell application	AIP Conference Proceedings 1989(1),020015	2018
37	Synthesis, characterization and application of nanocrystalline CdZn(SeTe) ₂ thin films for energy application	AIP Conference Proceedings 1989(1),030003	2018
38	The vacuolar proton pyrophosphatase gene (SbVPPase)from the Sorghum bicolor confers salt tolerance intransgenic Brahmi [Bacopamonneri(L.)Pennell]	Physiology and Molecular Biology of Plants24(5), 809-819	2018
39	The Calotropis procera Transformed Green NiO and Fe- NiO nanoparticles for Diaryl Pyrimidinones Synthesis in Hydrotropic Medium at Room Temperature	Chemistry Select 3(46),13140-13153	2018

40	Vignakhandalensis(Santapau) Raghavan et Wadhwa: a promising underutilized, wild, endemic legume of the Northern Western Ghats, India	Genetic Resources and Crop Evolution 65(6),1795-1807	2018
41	Web-based Fuzzy Expert System for Symptomatic Risk Assessment of Diabetes Mellitus	International Journal of Computer Applications 182(3),5-12	2018
42	An Investigation of Fluorescence Resonance Energy Transfer between Tryptophan and Quinine Sulphate	Macromolecular Symposia, 2019, 387(1), 1800204	2019
43	An Updated Review on the Spiders of Order Araneae from the Districts of Western Ghats of India	Bioscience Biotechnology Research Communication 12(4),855-864	2019
44	Antiangiogenic potential of endophytic fungi <i>Alternaria alternata</i> isolated from <i>Lawsonia inermis</i> Linn	Bioscience Biotechnology Research Communication 12(3),820-828	2019
45	Bentonite-Clay-Supported Cuprous Iodide Nanoparticles (BENT-CuINPs): A New Heterogeneous Catalyst in Diversity-Oriented Synthesis of 1, 2, 3-Triazoles in Aqueous Medium	Chemistry Select 4(24),7144-7150	2019
46	Bio-synthesis of gold nanoparticles by <i>Bacillus marisflavi</i> and its potential in catalytic dye degradation	Arabian Journal of Chemistry, 12(8),4806-4814	2019

47	Click chemistry based multicomponent approach in the synthesis of spirochromeno carbazole tethered 1, 2, 3-triazoles as potential anticancer agents	Bioorganic Chemistry 85,475-486	2019
48	Colletotrichum brevisporum and C. musicola Causing Leaf Anthracnose of Taro (Colocasia esculenta) in Mexico	Plant Disease 103(11), 2963-2963	2019
49	Correlation between body mass index and heart rate in males and females of different age group	Indian Journal of Physical Education, Sports and Applied Science, 9(4), 63-68	2019
50	Cu nanoparticle: Synthesis, Characterization and Application	Chemical Methodologies 3(4), 457-480	2019
51	Delineating taxonomic identity of two closely related Vigna species of section Aconitifoliae: V. trilobata (L.) Verdc. and V. stipulacea (Lam.) Kuntzin India	Genetic Resources and Crop Evolution, 66, 1155-1165	2019
52	Exploration of Fluorescence Quenching Mechanism in Tryptophan Induced by Norfloxacin: Analytical Applications	Macromolecular Symposia, 387(1), 1800208	2019
53	First record of long horn beetle Calothyrsa margaritifera (Cerambycidae: Lamiinae: Phrynetini) from western India	Journal of Threatened Taxa 11(13), 14780-14783	2019

54	Floristic study of Kalbhairavnath's sacred grove, Bharsakale, Satara, Maharashtra	Species 20:155-162	2019
55	Fluorescence Spectroscopic Studies on the Interaction Between 2,5-Diphenyl Oxazole and Triton X-100 Micelle	Macromolecular Symposia, 387(1), 1800-207	2019
56	Fluxes in biochemical moieties of body mucus of fish <i>C. gachua</i> exposed to organo phosphate pesticide	International Journal of Recent Scientific Research 10(4):31840-31843	2019
57	Genetic diversity using RAPD markers, mineral composition and their correlation in selected local land races of finger millet [<i>Eleusine coracana</i> (L.) Gaertn.]	Vegetos 32(1), 1-10	2019
58	Green synthetic methodology: An evaluative study for impact of surface basicity of MnO ₂ doped MgO nanocomposites in Wittig reaction	Journal of Solid State Chemistry 269, 167-174	2019
59	Honokiol for cancer therapeutics: A traditional medicine that can modulate multiple oncogenic targets	Pharmacological research 144, 192-209	2019
60	In vitro antibacterial activity of flower extracts of <i>Moringa oleifera</i>	International Journal of Current Advanced Research 8:19115-19116	2019

61	In vitro regeneration approaches for restoration of <i>Ceropegia mohanramii</i> —an endemic and critically endangered asclepiad	Journal of Genetic Engineering and Biotechnology 17(1), 1-5	2019
62	Influence of spray-drying, freeze-drying and vacuum-drying on physicochemical and functional properties of gelatin from <i>Labeo rohita</i> swim bladder	International Journal of Biological Macromolecules, 121, 135–141	2019
63	Isolation, identification, bioactivity and metabolite profiling of endophytic fungi from <i>Lawsonia inermis</i> Linn.	International Journal of Research and Analytical Reviews (IJRAR) 6(2), 242-257	2019
64	Mizoroki–Heck cross-coupling reactions using palladium immobilized on DABCO-functionalized silica	Transition Metal Chemistry 44(6), 507-514	2019
65	Morphology-controlled synthesis of NiCo ₂ O ₄ nanoflowers on stainless steel substrates as high-performance supercapacitors	Materials Science for Energy Technologies 2(3), 556-564	2019
66	Ni _{0.1} Co _{0.9} Fe ₂ O ₄ spinel ferrite as a promising magneto-dielectric substrate for X-band Microstrip Patch Antenna	2019 3rd International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech)	2019
67	One-pot three-component synthesis and photo physical properties of highly fluorescent novel 4-alkyl-3-aryl-2,6-dicyanoanilines by using tris(hydroxymethyl)amino methane as a catalyst	Chemical Data Collections 19, 100172	2019

68	Online approach for Diabetes Diagnosis and Classification with Expert System Modules using Fuzzy Logic	2019 IEEE Pune Section International Conference (PuneCon),1-6	2019
69	Optimizing of Multi-objective Inventory Model by Different Fuzzy Techniques	International Journal of Applied and Computational Mathematics 5(5), 136	2019
70	Photoelectrochemical performance of MoBiGaSe5 thin films deposited by vacuum deposition technique	Journal of Materials Science:Materials in Electronics 30(19), 17612-17622	2019
71	Preparation of Bismuth Oxide Thin Films by Spray Pyrolysis Method and Its Characterizations	Macromolecular Symposia 387(1), 1800198	2019
72	Radiant heat protective performance of cloth in gaseous environments with flexible aerogel-nomex non woven composite as thermal insulation	Indian Journal of Fibre & Textile Research, 44, 396-403	2019
73	Reduction in hyperhydricity and improvement in in vitro propagation of commercial hard fibre and medicinal glycoside yielding Agave sisalana Perr. ex Engelm by NaCl and polyethylene glycol	Plant Cell, Tissue and Organ Culture (PCTOC) 138(1), 67-78	2019
74	Role of Modified Gabor Filter Algorithm in Multimodal Biometric Images	2019 6th International Conference on Computing for Sustainable Global Development (INDIACom)	2019

75	Seed coat polymorphism in Vigna section Aconitifoliae in India	Flora 259, 151458	2019
76	Seed germination response of an invasive weed <i>Alternanthera ficoidea</i> to temperature and salinity stress	Indian Journal of Weed Science 51(4), 398-401	2019
77	Stochastic inventory model within come and price dependent demand	International Journal of Procurement Management 12(5), 606-620	2019
78	Studies on hydrolytic bacteria from vegetable waste, cattle dung slurry and biogas digester effluent	Journal of Environmental Research And Development 14(01)	2019
79	Study of Interaction between Human Hemoglobin and Anti tubercular Isoniazid Drug with Its Detection	Macromolecul Symposia, 387(1), 1800203	2019
80	Supercapacitive Performance of Lithium Doped and Undoped NiFe ₂ O ₄ Thin Films by Chemical Deposition Method	Journal of Electronic Materials 48(11), 7539-7542	2019
81	Synthesis and characterization of nanostructured Cu-ZnO: An efficient catalyst for the preparation of (E)-3-styrylchromones	Arabian Journal of Chemistry 12 (8), 5212-5222	2019

82	Synthesis of Melanin Mediated Silver Nanoparticles from Aeromonas sp. SNS Using Response Surface Methodology: Characterization with the Biomedical Applications and Photocatalytic Degradation of Brilliant Green	Journal of Polymers and the Environment volume27,pages2428-2438	2019
83	Taxonomy and typification of Kalanchoe olivacea and K.bhidei (Crassulaceae)	Rheedea29(3):197-208	2019
84	The distribution of blue-green algae (Cyanobacteria)from the paddy fields of Patan and Karad tehsils of Satara District,Maharashtra, India	JournalofThreatenedTaxa11(14):14862-14869	2019
85	Ultrasound-AssistedAqueousExtractionofPhenolic, Flavonoid Compounds and Antioxidant Activity of Mucuna macrocarpa Beans: Response Surface Methodology Optimization	Journal of the American College ofNutrition38(4),364-372	2019
86	Web-based Fuzzy Expert System for Diabetes Diagnosis	International Journal of Computer Sciences and Engineering 7,995-1000	2019
87	ZnCl ₂ loaded TiO ₂ nanomaterial: an efficient greencatalyst to one-pot solvent-free synthesis of propargyl amines	RSC advances9(56),32735-32743	2019
88	'In water'exploration of Alpiniazarumbet-fabricated CuONPs in the presence of NaPTS at room temperature:green synthesis of 1, 8-dioxooctahydroxanthene derivatives	Research on Chemical Intermediates,1-17	2020

89	A Nonlinear Programming Approach to Solve the Stochastic Multi-objective Inventory Model Using the Uncertain Information	Arabian Journal for Science and Engineering, 45, 6963-6973	2020
90	Addition to the Millipede Fauna of Maharashtra State (Western Ghats) Anoplodesmus saussurii (Humbert, 1865)	Our Heritage 68(34), 101-106	2020
91	Advanced Encryption Standard Algorithm in Multimodal Biometric Image	Advances in Biomedical Engineering and Technology, 53-66	2020
92	Applicability of Mg-ferrite for enhancement of band width in circular MPA at 2.45 GHz	AIP Conference Proceedings 2265(1), 030056	2020
93	Application Studies of Purified Tyrosinase from Isolated Aeromonas sp. SNS with Detailed Characterization and Kinetic Studies	Journal of Biologically Active Products from Nature 10(3), 233-249	2020
94	Assessment of floral diversity around a historical lake Swatantrapur, Sangli (Maharashtra, India)	Indian Journal of Plant Sciences 9, 125-135	2020
95	Bacopamonnieri (L.) Pennell, a potential plant species for degradation of textile azo dyes	Environmental Science and Pollution Research, 1-15	2020

96	Biogenic synthesis of ZnO nanoparticles from Parthenium hysterophorus extract and its catalytic activity for building bioactive polyhydroquinolines	Research on Chemical Intermediates,1-16	2020
97	Chalcogenide nanocomposite electrodes grown bychemical etching of Ni-foam as electrocatalyst for efficient oxygen evolution reaction	International Journal of Energy Research44(2),1233-1243	2020
98	Chemical bath synthesis of NiCo ₂ O ₄ nanoflowers with nanorods like thin film for flexible supercapacitor application-effect of urea concentration on structural conversion	Electrochimica Acta,136413	2020
99	Chroococcalean bluegreen algae from the paddy fields of Satara District, Maharashtra, India	Journal of Threatened Taxa,12(14),pp.16979-16992	2020
100	Conservation of Selected Rare and Endemic Trees from Northern Western Ghats	IndianForester146(4),332-337	2020
101	Construction of n-ZnO/p-CuO hetero junction for photoelectrochromic device	Materials Today: Proceedings (InPress),	2020
102	Diversity of desmids from some water bodies of Satara ,district,Maharashtra(India)	Research Journal of Chemistry and Environment,24(5), pp.44-50	2020

103	Electrochemical supercapacitive performance study of spray pyrolyzed cobalt oxide film	Materials Today: Proceedings, 43, pp. 2742-2746	2020
104	Electrochromic Properties of Layered Nb ₂ O ₅ -WO ₃ Thin Films	Materials Today: Proceedings 23,430-436	2020
105	Enhanced catalytic activity of bio-fabricated ZnO NPs prepared by ultrasound-assisted route for the synthesis of tetraketone and benzylidenemalonitrile in hydrotropic aqueous medium	Research on Chemical Intermediates 46(10), 4723-4748	2020
106	Evaluation of Genetic Diversity in Antiaristoxic arialesch from Sacred Groves of the Western Ghats, India	National Academy Science Letters, 1-6	2020
107	Facile synthesis of nanostructured Ni-Co/ZnO material: An efficient and inexpensive catalyst for Heck reactions under ligand-free conditions	Arabian Journal of Chemistry 13(12), 9005-9018	2020
108	Fast response and highly selective nitrogen dioxide gas sensor based on Zinc Stannate thin films	Materials Science for Energy Technologies 3, 36-42	2020
109	Faunal diversity of Moths of Mahadare, Satara District, Maharashtra, (Western Ghats)	Our Heritage 68(34), 149-155	2020

110	Freshwater fish diversity of Mahadare, Satara District, Maharashtra (Western Ghats)	Our Heritage 68(34), 171-179	2020
111	GCMS analysis for separation and identification of bioactive compounds from freshwater Cyanobacterium Nostoc fuscescens	Journal of Advanced Scientific Research 11(4)	2020
112	Greener and Environmentally Benign Methodology for the Synthesis of Pyrazole Derivatives	Chemistry Select 5(42), 12971-13026	2020
113	Low density polyethylene films incorporated with Biosynthesised silver nanoparticles using Moringa oleifera plant extract for antimicrobial, food packaging, and photocatalytic degradation applications	Journal of Plant Biochemistry and Biotechnology	2020
114	Maximizing the L-dopa production through response surface methodology by newly isolated bacterium Aeromonas sp. SNS	Research Journal of Life Science, Bioinformatics, Pharmaceutical, and Chemical Sciences, 6(1), 40	2020
115	Metabolite profiling, antioxidant potential and RP-UFLC determination of bioactive molecules from eight Swertia species	Biocatalysis and Agricultural Biotechnology 23, 101479	2020
116	Mg-Nd-Cd ferrite as substrate for X-band microstrip patch antenna	Journal of Magnetism and Magnetic Materials 499, 165918	2020

117	Microbial degradation of poultry feather biomass in a constructed bioreactor and application of hydrolysate as bioenhancer to vegetable crops	Environmental Science and Pollution Research 27(2), 2027-2035	2020
118	Micropropagation, polyphenol content and biological properties of Sweet Flag (<i>Acorus calamus</i>): a potent medicinal and aromatic herb	Vegetos, 1-8	2020
119	Microwave enhanced green and convenient synthesis of 2-amino-4H-chromenes in aqueous hydrotropic medium	Current Research in Green and Sustainable Chemistry 3, 1000-14	2020
120	Morpho-physiological and biochemical responses of finger millet (<i>Eleusine coracana</i> (L.) Gaertn.) genotype to PEG-induced osmotic stress	Biocatalysis and Agricultural Biotechnology 23, 101488	2020
121	Nano-ferrite synthesized by microwave assisted technique	AIP Conference Proceedings 2265(1), 030152	2020
122	Nanostructured N doped TiO ₂ efficient stable catalyst for Kabachnik–Fields reaction under microwave irradiation	RSC Advances 10(45), 26997-27005	2020
123	Novel chemical approach to synthesis and characterization of greener and rock-like Cu ₂ ZnSnS ₃ Se (CZTSSe) thin films of kasterite structure	Materials Today: Proceedings,	2020

124	Palladium loaded on ZnO nanoparticles: Synthesis, characterization and application as heterogeneous catalyst for Suzuki–Miyaura cross-coupling reactions under ambient and ligand-free conditions	Materials Chemistry and Physics 243,122561	2020
125	Photocatalytic dye degradation study of TiO ₂ material	Materials Today: Proceedings, 43, pp. 2738-2741	2020
126	Photoelectrochemical (PEC) Investigation of Ga-Doped MoBi ₂ Se ₅ Thin Films Deposited by Arrested Precipitation Technique	Macromolecular Symposia 393(1), 1900210	2020
127	Phytochemical investigation and antioxidant efficacy of wild, underutilized berries of economically important Indian Sandal wood (<i>Santalum album</i> L.)	Biocatalysis and Agricultural Biotechnology 27, 101705	2020
128	Piceatannol: A natural stilbene for the prevention and treatment of cancer	Pharmacological research 153, 104635	2020
129	Plant regeneration through direct and indirect organogenesis, phyto-molecular profiles, antioxidant properties and swertiamarin production in elicited cell suspension cultures of <i>Swertia minor</i> (Griseb.) Knobl	Plant Cell, Tissue and Organ Culture (PCTOC), 1-14	2020
130	Pulsed laser deposited CoFe ₂ O ₄ thin films as supercapacitor electrodes	RSC Advances 10(33), 19353-19359	2020

131	Reinstatement of <i>Pimpinella katrajensis</i> R.S.Rao&Hemadri (Apiaceae), an endemic species to Maharashtra with notes on its taxonomy and distribution	Journal of Threatened Taxa 12(11), 16641-16643	2020
132	Sodium acetate/MWI: a green protocol for the synthesis of tetrahydrobenzo [α] xanthen-11-ones with biological screening	Research on Chemical Intermediates 46(1), 231-241	2020
133	Sodium toluene-4-sulfonate as a reusable and ecofriendly catalyst for greener synthesis of 5-aminopyrazole-4-carbonitrile in aqueous medium	Journal of Heterocyclic Chemistry 57(10), 3597-3604	2020
134	Structural and morphological studies of chemically deposited nanocrystalline and nano-flower like $\text{Cu}_2\text{ZnSnSe}_4$ thin films	Materials Today: Proceedings, 43, pp. 2678-2681	2020
135	Synthesis and characterization of hydrothermally prepared molybdenum disulfide for supercapacitor application	Materials Today: Proceedings (In Press), 43, pp. 2707-2710	2020
136	Synthesis, characterization and gas sensing performance of tungsten oxide by hydrothermal method	Materials Today: Proceedings, 43, pp. 2757-2762	2020
137	Synthesis, characterization, and photoelectrochemical performance of nano crystalline ternary $\text{Mo}_x\text{Bi}_{(2-x)}\text{Se}_3$ mixed metal chalcogenide thin films	Journal of Materials Science: Materials in Electronics 31(20), 18135-18150	2020

138	The Eggshell Waste Transformed Green and Efficient Synthesis of K-Ca(OH) ₂ Catalyst for Room Temperature Synthesis of Chalcones	Polycyclic Aromatic Compounds, 1-19	2020
139	X-Band Microwave Absorption in Nd ³⁺ -Substituted Mg-Cd Spinel Ferrites Synthesized Under Microwave Sintering	IEEE Transactions on Magnetics 56(10), 1-7	2020
140	Zinc Induced Histopathological Alterations in Gill, Liver, and Kidney of Freshwater Fish <i>Gonoproktopterus kolus</i> (Sykes)	Advances in Zoology and Botany 8(5): 400-407	2020
141	Applicative Aspects of Piezoelectric Sensors for Power Generation	Journal of Environmental Science, Computer Science and Engineering & Technology, DOI: 10.24214/jecet.C.9.4.66367	2020
142	Multifaceted roles of silicon in mitigating environmental stresses in plants	Plant Physiology and Biochemistry, 169, 291-310	2021
143	Phytochemical composition, and antioxidant potential of <i>Frereaindica</i> Dalz.: A critically endangered, endemic and monotypic genus of the Western Ghats of India	Biocatalysis and Agricultural Biotechnology, 35, 102080	2021
144	Elicitor-mediated enhancement of biomass, polyphenols, mangiferin production and antioxidant activities in callus cultures of <i>Salacia chinensis</i> L.	Biotech, 11, 11(6), 285	2021
145	Characterization of influx and efflux silicon transporters and understanding their role in the osmotic stress tolerance in finger millet (<i>Eleusine coracana</i> (L.) Gaertn.)	Plant Physiology and Biochemistry, 162, 677-689	2021

146	Biogenic synthesis of ZnO nanoparticles from Parthenium hysterophorus extract and its catalytic activity for building bioactive polyhydroquinolines	Discover Materials, 47, 1743-1758	2021
147	Urariapicta: A comprehensive review on evidences of utilization and strategies of conservation	Journal of Phytology 13, pp. 41-47	2021
148	Development of diabetes diagnosis system with artificial neural network and open source environment	2021 International Conference on Emerging Smart Computing and Informatics, ESCI 2021, 9396963, pp. 477-482	2021
149	In water' exploration of Alpiniazarumbet-fabricated CuO NPs in the presence of NaPTS at room temperature: green synthesis of 1,8-dioxooctahydroxanthene derivatives	Research on Chemical Intermediates, 47, 1221-1237	2021
150	An insight into the role of silicon on retaliation to osmotic stress in finger millet (<i>Eleusinecoracana</i> (L.) Gaertn)	Journal of Hazardous Materials, 403, 124078	2021
151	Plant regeneration through direct and indirect organogenesis, phyto-molecular profiles, antioxidant properties and swertiamarin production in elicited cell suspension cultures of <i>Swertia minor</i> (Griseb.) Knobl	Plant Cell, Tissue and Organ Culture, 144, 383-396	2021
152	Fluorescence Enhancement Based Quantification of Human Serum Albumin from Biological Sample Using Indole Based Nanosuspension: Molecular Interactions and Molecular Docking Studies	Fluorescence,	2021
153	Electrodeposited bimetallic microporous MnCu oxide electrode as a highly stable electrocatalyst for oxygen evolution reaction	International Journal of Energy Research,	2021

154	Studies on Biosensing Properties of Electrodeposited Copper Oxide Films	Macromolecular Symposia 400(1),2100227	2021
155	Preparation of Zinc Ferrite by Solid State Method and Its Characterizations	Macromolecular Symposia 400(1),2100227	2021
156	Sexual Dimorphism from Visual Examination of Tongue in Satara District.	Int J Forensic SciPathol. 2021;8(4):441-445	2021
157	Insect Activitiy and Its Relationship to decay Rates of Rat cadaver in Solapur District	Int J Forensic SciPathol. 2021;8(4):464-467.	2021
158	Study of Forensic Significance and Diversity of Diatoms in Hatkanangale district, Maharashtra	International Journal of All Research Education and Scientific Methods (IJARESM), 9,3025-3031	2021
159	Comparative Study of Solubility of Tranquilizers (Alternative Date Rape Drugs) in Stomach Acid	Journal of Pharmacy and Pharmacology 9 (8): 278-286.	2021
160	NUTRIGENOMICS AND BIO-AVAILABILITY ENHANCERS AS A COMBINATION THERAPY FOR MYOSTATIN INHIBITION TO COPE WITH MUSCULAR DYSTROPHY	Universe International Journal of Interdisciplinary Research(An International Peer Reviewed Refereed Journal)DOI NO.: 08.2020-25662434	2021
161	STUDY OF METHODS INVOLVING COMPARISON OF SOIL SPECIMEN SAMPLES	JournalNX-A Multidisciplinary Peer Reviewed Journal,7,96-102	2021

162	ANALYSIS AND IDENTIFICATION LOGO USING AR/VR TECHNOLOGY IN EDUCATION SECTOR	INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS - IJCRT (IJCRT.ORG),8,1126-1130	2021
163	Advanced Encryption Standard Algorithm in Multimodal Biometric Image	DOI: 10.1007/978-981-15-6329-4_7	2021
164	Comprehensive Study of Marathi Dialects in Satara Region	International Journal of Forensic Linguistics, https://doi.org/10.22225/ijfl.2.1.3975.1-4	2021
165	A Statistical Study of Attentivness of Cryptocurrency among the Students	Gradiva Review Jounal, http://gradivareview.com/VOLUME-7-ISSUE-11-2021/	2021
166	Comparative study of solubility of tranqlizers (Alternative date rape drugs) in stomach acie	Journal of Pharmacy and Pharmacology, 9 (2021) 278-286 doi: 10.17265/2328-2150/2021.08.004	2021
167	Structural and morphological characterization of Ni ₁ xCO _x O-SDC Nano powder synthesizes by glycine nitrate combusion synthesis for its application in IT0SOFC	International journal of scientific research in science and technology,	2021
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