ALAGAPPA UNIVERSITY

DST-PURSE PHASE-II SCHEME (2017- *)
ALL SCIENCE DEPARTMENTS

File No: SR/PURSE Phase 2/38 (G)

Amount Sanctioned: 700 Lakhs

Duration- 2017-* DST - PURSE Project Co-ordinators	**Period**
Dr. P. Manishankar Professor and Head Department of Industrial Chemistry	**2016-2017**
Dr. J. Jeyakanthan, Senior Professor & Head Department of Bioinformatics	**July 2017-***

Science Department Participated in DST-PURSE

Department of Mathematics	**Department of Animal Health and Management**
Department of Computer Applications	**Department of Computer Science**
Department of Energy Science	**Department of Industrial Chemistry**
Department of Botany	**Department of Bioelectronics and Biosensors**
Department of Biotechnology	**Department of Nanoscience and Technology**
Department of Microbiology	**Department of Physics**
Department of Bioinformatics	**Department of Oceanography and Coastal Area Studies**

Major Research Facilities Established under DST PURSE Scheme

THRUST AREAS STRENGTHENED WITH PURSE SUPPORT AND RESEARCH HIGHLIGHTS

Thrust areas strengthened using purse support in Physical Science, Chemical Science and Biological

- The new instrument such as X - Ray Photo Electron Microscopy (XPS) provide better platform for the excellent storage of signals through opto electronic crystals and unidirectional crystals via crystal growth towards the nomination for Digital India.
- A quantum of search is offered for energy storage devices which are applicable to Swachch Bharath Mission of India through Lithium, Lithium sulfur, Sodium batteries, etc., which in turn cleaner environment.
- Fuel cells and stacks which have been employed in Electric Vehicles, an exploration has to be employed in attaining Clean India Green India claim.
- Development of Nanomaterials and its based thin films have been used to monitor environmental pollutions and toxic gases which is applicable to Swachch Bharath Mission.
- Comprehensive study about the diseases, their pathophysiology and associated pathway for targets identification and database development.
- Calculate the binding affinities and kinetic studies of the proteins using Isothermal Titration Calorimetry (ITC).

X-ray Photoelectron Spectroscopy (XPS)

Isothermal Calorimetry (ITC)

Development of Research & Scientific Excellence of the University with PURSE support

Based upon the satisfactory performance, numerous laurels and recognitions, the University has been sanctioned with Rs.7 crores from DST-PURSE Phase-II for the year 2017. During the phase-II, the number of Science Departments increased from 14 to 19 with involvement of 76 teaching faculties. Programmes offered have been increased from 42 to 57 with subsequent raise in student strength to 575. Since 2017, 465 Research Scholars have successfully completed and currently 510 Ph.D students are pursuing. More than 47 Ph.D students were directly benefitted. Over 3030 research publications have contributed out of 1268 publications acknowledged by DST-PURSE II and the h-index increased from 68 to 115. Currently, 50 ongoing research projects from various scientific bodies and 10 Special Assistance Schemes have been granted during the Phase-II period. Major Instruments procured during the period of DST-PURSE Phase II have been utilizing by the students and faculty members of this University and other Institutions.

Credentials of Alagappa University during the Phase-II period

- NAAC A+ Grade with the highest CGPA of 3.64 out of 4 points after the Implementation of DST-PURSE.
- MHRD-UGC has granted Category-I and Autonomy Status to the University.
- Based on the research publications, projects and student's placement Records University has obtained 30th place in NIRF Rankings for the year 2023. Also, in QS rankings in 2023 (QS-ASIA : 251-260 and QS-Southern Asia : 51) and THE rank in 2023 (THE World: 401-500, THE Asia: 111,Young University-101-150, THE Physical Sciences: 301- 400 and THE Life Sciences: 401-500).
- MHRD (MoE) granted to the University with Rs.20 and 100 crores in RUSA-1.0 & RUSA-2.0 respectively.
- ISO9001:2015 Certification Award for its creditability in providing an enhanced quality Higher Education and Research Activities.
- On an environmental perspective, the University has received 3rd rank in Swachhta ranking (2017) by MHRD for the cleanest Higher Educational Institutions, National Institute of Cleanliness Education and Research (NICER)- World Environment and Livelihood Award (WEAL) (2017); NICER-Clean & Green Campus Award (2016).

Glimpse of Conference/Workshops Organized Under PURSE Programme

2nd International Conference on Recent Trends in Structural Bioinformatics and Computer aided drug design

1st International Conference on Recent Trends in Structural Bioinformatics and Computer aided drug design

Theme Meeting on Environmental Receptivity of Industrial Effluents and Their Influence Technologies on Marine Ecology & DAE Technologies for Water Treatment (9th – 10th August, 2019)

National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (20th - 23rd February, 2018)

DST-PURSE Scheme Research Outcomes

Out of 3030 Research Publications more than 1268 publications has been acknowledged with DST-PURSE

PUBLICATIONS

Publications				
Animal Health and Management				
Sl.No	**Author name,Title of the Paper,**	**Journal name (Issue, Period,ISSN,page no, YearofPublication, etc.)**	**Impact factor**	**National.(N)/ International(I)**
1.	VinothaV,YazhiniprabhaM,RajDS, MahboobS,Al-GhanimKA,Al-MisnedF, GovindarajanM,VaseeharanB.Biogenic synthesisofaromaticcardamom-wrapped zincoxidenanoparticlesandtheirpotential antibacterial and mosquito larvicidal activity:Aneffectiveeco-friendlyapproach.	JournalofEnvironmental Chemical Engineering. 2020Dec1;8(6):104466.	5.9	I
2.	DhatchayaniS,VijayakumarS,SaralaN, VaseeharanB,SankaranarayananK. Effectofcurcuminsorbedselenite substituted hydroxyapatite on osteosarcomacells:Aninvitrostudy.	JournalofDrugDelivery ScienceandTechnology. 2020 Dec 1;60:101963	3.98	I
3.	JeyavaniJ,SibiyaA,ShanthiniS,RaviC, VijayakumarS,RajanDK,VaseeharanB.A reviewonaquaticimpactsofmicroplastics anditsbioremediationaspects.	CurrentPollution Reports. 2021 Sep;7(3):286-99	9.43	I
4.	GopiN,RekhaR,VijayakumarS,LiuG, Monserrat JM, Faggio C, Nor SA, Vaseeharan B.Interactiveeffectsoffreshwater acidificationandseleniumpollutionon biochemicalchangesandneurotoxicityin *Oreochromismossambicus*.	Comparative Biochemistryand PhysiologyPartC: Toxicology & Pharmacology.2021 Dec 1;250:109161.	3.22	I
5.	Yazhiniprabha,M.,Gopi,N.,Mahboob,S.,Al-Ghanim, K.A., Al-Misned, F., Ahmed, Z., Riaz, M.N., Sivakamavalli, J., Govindarajan, M. and Vaseeharan,B.Thedietarysupplementation of zinc oxide and selenium nanoparticles enhancetheimmuneresponsein freshwaterfish*Oreochromismossambicus*a gainst aquatic pathogen *Aeromonashydrophila*.	JournalofTraceElements inMedicineandBiology, 2022; 69, p.126878.	3.84	I
BioElectronics and BioSensors				

6.	S.Meenakshi, Shock waves exposed α-Fe2O3 Nanoparticlesforelectrochemicalsensingof Riboflavin,UricacidandFolicacid	MicrochemicalJournal Received Date: 16 January2021Revised Date: 10 March 2021 AcceptedDate:13May 2021	4.821	I
		DOI: https://doi.org/10.1016/j.microc.2021.106403 Reference:MICROC 106403		
Biotechnology				
7.	MyrtenolattenuatesMRSAbiofilmand virulencebysuppressingsarAexpression dynamism	Frontiers in Microbiology, section Antimicrobials, Resistanceand Chemotherapy. 10:2027. JournalofProteomics, 208:103503	4.259	I
8.	Proteomicanalysisuncoversthemodulation of ergosterol, sphingolipid and oxidative stresspathwaybymyristicacidimpeding biofilm and virulencein*Candidaalbicans*	JournalofProteomics, 208: 103503	3.56	I
9.	5-Dodecanolideinterfereswithbiofilm formationandreducesthevirulence of Methicillin-resistant*Staphylococcusaureus* (MRSA)throughupregulationofagrsystem.	ScientificReports 9:1-16	4.122	I
10.	Umbelliferone impedes biofilm formation and virulence of methicillin-resistant Staphylococcusepidermidisviaimpairmentof initialattachmentandintercellularadhesion	Frontiersincellularand infectionmicrobiology. 2019;9:357	3.518	I
11.	Palmiticacidinhibitsthevirulencefactorsof *Candidatropicalis*: biofilms,cell surface hydrophobicity, ergosterol biosynthesis and enzymatic activity	Frontiers in Microbiology,11:864	4.259	I
12.	Inhibition of Biofilm and Biofilm-associated VirulencefactorproductioninMethicillin-Resistant*Staphylococcusaureus*byDocosanol	Journalof Biotechnology,317:59-69	3.163	I
13.	Piperineimpedesbiofilmformationand hyphalmorphogenesisof*Candidaalbicans*	Frontiers in Microbiology11:756	4.256	I
14.	Global proteomic analysis deciphers the mechanismofactionofplantderivedoleic acidagainst*Candidaalbicans*virulenceand biofilm formation	ScientificReports 10(1), 1-17	4.011	I

15.	Systematicassessmentof chlorine tolerance mechanisminapotentbiofilm-forming marinebacterium*Halomonasboliviensis*	International Biodeterioration&Biodegradation 1;151:104967	3.824	I
16.	Proteomicprofilingunveilscitralmodulating	InternationalJournalof	4.784	I
	expressionofIsaA,CodYandSaeStoinhibit biofilmandvirulenceinMethicillin-resistant *Staphylococcusaureus*.	Biological Macromolecules158: 208-221		
17.	Cloning, expression, homology modelling and molecular dynamicssimulationoffour domain-containingα-amylasefrom *Streptomycesgriseus*.	JournalofBiomolecular StructureandDynamics 25:1-2	3.31	I
18.	EthnomedicinesofIndianoriginfor combatingCOVID-19infectionbyhampering the viral replication: using structure-based drugdiscoveryapproach	JournalofBiomolecular StructureandDynamics 16:1-6	3.31	I
19.	sarA-DependentAntibiofilmActivityof ThymolEnhancestheAntibacterialEfficacyof Rifampicin Against *Staphylococcus aureus*	Frontiers in Microbiology 1.669444444	4.259	I
20.	Modulationofthehostcellmitochondrial proteomebyPemKSatoxinproteinexposure.	Microbial Pathogenesis 140: p103963	2.914	I
21.	Understandingtheroleofp38andJNK mediatedMAPKpathwayinresponsetoUV-A inducedphotoagingin*Caenorhabditiselegans.*	JPhotochemPhotobiol B.DOI:10.1016/j.jphotobiol.2020.111844[In Press]	4.067	I
22.	*Salmonella enterica*Serovar Typhi exposure elicits deliberate physiological alterations and triggers the involvement of ubiquitin mediatedproteolysispathwayin *Caenorhabditiselegans*	InternationalJournalof Biological MacromoleculesVol. 149, Jan 24; 2020;149:215-233. DOI: 10.1016/j.ijbiomac.2020.01.225	4.784	I
23.	Analyzingtheindividualandsynergistic effectsofantioxidantsincombatingagingand photoagingusingmodelnematode, *Caenorhabditiselegans*.	Photochemistryand Photobiology96(1): 139-147[DOI: 10.1111/php.13167]	2.721	I
24.	*Invitro*and*invivo*efficacyof*Caenorhabditis elegans* recombinantantimicrobialpeptide againstGram-negative bacteria.).	Biofouling. Sep;35(8):900-921. doi: 10.1080/08927014.2019.1675048.	2.847	I
25.	Unravellingthewoundhealingabilityand mode of action of pyridine carboxamide oximeusing*Caenorhabditiselegans*as potentialprescreenwoundmodel.	Life Sciences 235:116859;[DOI: 10.1016/j.lfs.2019.116859];	3.647	I

26.	Analysisof*Caenorhabditiselegans* phosphoproteomerevealstheinvolvementof amolecularchaperone,HSP-90protein during*Salmonellaenterica*SerovarTyphi infection.	InternationalJournalof Biological Macromolecules 137:620-646. https://doi.org/10.101	4.784	I
		6/j.ijbiomac.2019.06.08 5;		
27.	AProteomicanalysisof*Caenorhabditiselegans* mitochondriaduringbacterial infection.	Mitochondrion.pii: S1567-7249(18)30138-7; DOI: 10.1016/j.mito.2019.03 .002;.	3.992	I
28.	Globalproteomicresponseof*Caenorhabditiseleg ans* against PemKSa toxin.	Frontiers in Cellular and Infection Microbiology, section Bacteria and Host: 9:172;DOI: 10.3389/fcimb.2019.00 172	3.518	I
29.	UnderstandingtheroleofDAF-16mediated pathwayin*Caenorhabditiselegans*duringUV- A mediated photoaging process.	*ArchivesofGerontologya ndGeriatrics*May-Jun 2019;82:279-285.doi: 10.1016/j.archger.2019 .03.011.	2.241	I
30.	Metalsensing-carbondotsloadedTiO2 nanocompositefor photocatalytic bacterial deactivation and control acute-hepatopancreaticnecrosisdisease(AHPND) inaquaculture	ScientificReports (2020Jul30;10(1):1-6. ISSN2045-2322)	3.998	I
31.	Quinolines-BasedSARS-CoV-23CLproand RdRpInhibitorsandSpike-RBD-ACE2 Inhibitorfor Drug-RepurposingAgainst COVID-19:An*in silico*Analysis	Frontiersin Microbiology(2020Jul 23;11:1796.ISSN1664-302X)	4.235	I
32.	Attenuationof*Proteus mirabilis*colonization andswarmingmotilityonindwellingurinary catheterbyantibiofilmimpregnation:Anin vitrostudy	ColloidsandSurfacesB: Biointerfaces(2020Jun 18:111207.ISSN 0927-7765)	4.389	I
33.	2-Hydroxy-4-methoxybenzaldehydefrom *Hemidesmusindicus*isantagonistto Staphylococcusepidermidisbiofilmformation	Biofouling(2020Jun 25:1-5.ISSN0892-7014)	2.351	I
34.	Explication of the Potential of 2-Hydroxy-4-MethoxybenzaldehydeinHampering Uropathogenic*Proteusmirabilis*Crystalline BiofilmandVirulence	Frontiersin microbiology(2019; 10:2804.ISSN1664-302X)	4.235	I

35.	Protectiveeffectofneglectedplant*Diplocyclospalmatus* on quorum sensing mediated infectionof*Serratia marcescens* andUV-A inducedphotoaginginmodel*Caenorhabditis elegans*	Journalof Photochemistryand PhotobiologyB:Biology (2019 Dec 1;201:111637.ISSN 1011-1344)	4.383	I
36.	*Hemidesmusindicus*,atraditionalmedicinal plant,targetstheadherenceofmultidrug-resistant pathogens to form biofilms	Biocatalysisand Agricultural Biotechnology(2019 Sep1;21:101338.ISSN 1878-8181)	--	I
37.	Anti-virulence potentialof 2-hydroxy-4-methoxybenzaldehydeagainstmethicillin-resistant*Staphylococcusaureus*anditsclinical isolates	Appliedmicrobiology and biotechnology (2019Aug 16;103(16):6747-58. ISSN0175-7598)	3.53	I
38.	Thecontrolofmicrobiallyinducedcorrosion bymethyleugenol-Adietaryphytochemical withquorumsensinginhibitorypotential	Bioelectrochemistry (2019Aug1;128:186-92.ISSN	1567-5394	I
39.	Globalintegratedomicsexpressionanalyses ofabioticstresssignalingHSFtranscription factorgenesinOryzasativaL.:An*in-silico* approach.	Genomics(Elsevier), ISSN: 0888-7543, 112(1)908-918 (DOI.org/10.1016/j.ygeno.2019.06.006)	6.205	I
40.	Augmentingcompetent *in vitro* organogenesis etiquette from leaf base of country mallow, *Abutilon indicum* L. sweet: an ethno-botanicallyvaluablemedicinalplant.	Biocatalysisand Agricultural Biotechnology (Elsevier,Netherlands) ISSN: 1878-8181, 19:101125.	-	I
41.	Genetic diversity analysis reveals strong populationstructureinSorghumgermplasm collection.	Proceedings of the National Academy of Sciences,IndiaSection B:BiologicalSciences., India,Sect.BBiol.Sci (Springer)ISSN:0369-8211,90(1)179-190 (DOI:10.1007/s40011-019-01095-9.	0.396	I
42.	BacopamonnieriandTheirBioactive Compounds Inferred Multi-Target Treatment StrategyforNeurologicalDiseases:A CheminformaticsandSystemPharmacology Approach	Biomolecules,10,536, ISSN: 2218-273X, DOI:10.3390/biom10040536	4.694	I

43.	Globaltranscriptome analysis of novelstress associated protein (SAP) genes expression dynamismofcombinedabioticstressesin Oryza sativa (L.).	JournalofBiomolecular Structure & Dynamics (Taylor&Francis). ISSN:1538-0254, https://doi.org/10.1080/07391102.2020.1747548	3.31	I
44.	Evaluations of Biosynthesized Ag nanoparticlesviaAlliumSativumflower extractinbiologicalapplications.	Applied Nanoscience (Springer,Switzerland) ISSN: 2190-5517, https://doi.org/10.1007/s13204-020-01463-2	3.198	I
45.	Integratedtranscriptomicandmetabolomic analyses of glutamine metabolism genes unveil key players in Oryza sativa (L.) to amelioratetheuniqueandcombinedabiotic stresstolerance.	International Journal of BiologicalMacromolecules (Elsevier), ISSN:0141-8130-164,222-231	5.162	I
46.	PhytolloadedPLGAnanoparticlesameliorate scopolamineinducedcognitivedysfunctionby attenuating acetylcholinesterase activity, oxidative stress and apoptosisin Wistar rat. (inpress)	Nutritional Neuroscience(Taylor and Francis) 14 May 2020-online	3.765	I
47.	Decipheringtheanti-apoptoticpotentialofα-bisabolol loaded solid lipid nanoparticles againstAβinducedneurotoxicityinNeuro-2a cells.	ColloidsandSurfacesB: Biointerfaces,[Elsevier] Jun;2020,190:110948.	3.973	I
48.	PhytolloadedPLGAnanoparticlesregulate theexpressionofAlzheimer'srelatedgenes andneuronalapoptosisagainstamyloid-β inducedtoxicityinNeuro-2acellsand transgenicCaenorhabditiselegans.	Food and Chemical ToxicologyVolume136, February2020,110962 [Elsevier]	3.775	I
49.	Amyloid-βinducedneuropathologicalactions are suppressed by Padina gymnospora (Phaeophyceae) and its active constituentα-bisabololinNeuro2acellsandtransgenic CaenorhabditiselegansAlzheimer'smodel.	NitricOxide2019Oct 1;91:52-66[Elsevier]	3.371	I
50.	α-bisabololβ-D-fucopyranosideasapotential modulator of β-Amyloid peptideinduced neurotoxicity: an invitro&insilicostudy.	Bioorganic Chemistry 2019 Jul;88:102935 [Elsevier]	3.929	I
51.	Daucosteroldisturbsredoxhomeostasisand elicitsoxidative-stressmediatedapoptosisin A549cellsviatargetingthioredoxinreductase byap53dependentmechanism.	European Journal of Pharmacology2019Jul 15;855:112-123 [Elsevier]	3.040	I
52.	Phytol ameliorated Benzo(a)pyrene induced lungcarcinogenesisinSwissalbinomicevia inhibitionofoxidativestressandapoptosis	Environmental Toxicology2019Apr; 34(4):355-363[John Wiley&Sons]	2.649	I

53.	Therapeutic potentialof polyphenolsin cardiovasculardiseases:regulationofmTOR signaling pathway.	Pharmacological Research, [Elsevier], Volume152,February 2020,104626	5.574	I
54.	Autophagy:APotentialTherapeuticTargetof	Cancers.2020Feb;	6.126	I
	PolyphenolsinHepatocellularCarcinoma.	12(3)		
Botany				
55.	G.Yogeswari,Dr.A.Padmapriya"Nutrient KnowledgeBaseforHorticulturalCrops through Precision Farming".	Published in International Conferenceon Computational sciences Proceedings, October 2019		I
56.	G.Yogeswari,A.Padmapriya,"Identificationof FungalInfectionsinSolanumlycopersicum throughPrecisionFarming"	Publishedin International ConferenceonRecent TrendsinBioplastics, December 2019		I
57.	S. Jeyabharathy and Padmapriya Arumugam, "PredictingtheDecompositionLevelofForest TreesThroughEnsemblingMethods"	Springer, Communications inComputerand InformationScience-1417, pp. 248-262, 2021. https://doi.org/10.1007/978-3-030-88378-2_20		I
ComputerApplications				
58.	V.KayalvizhiandV.Palanisamy,PerformanceAnalysisAndEvaluationOfEarBiometric Models	International journal of engineering and technology,3	0.184	I
EnergyScience				
59.	V.SannasiandS.Karuppuchamy*,High-pseudocapacitance of $MnCo_2O_4$nanostructurespreparedby phenolphthaleinassistedhydrothermaland microwavemethods.	CeramicsInternational, 46 (2020), 15510-15520	3.83	I
60.	V. Sannasi,K. Uma Maheswari,C.Karthikeyan and S. Karuppuchamy*, H_2O_2 assisted microwave synthesis of NiO/CNT nanocompositematerialforsupercapacitor applications.	Ionics,26,(2020) 4067-4079	2.394	I

61.	C. Karthikeyan, P. Arunachalam, K. Ramachandran, A.M. Al-Mayouf,S.Karuppuchamy*, Recent advances in semiconductormetaloxideswithenhanced methodsforsolarphotocatalyticapplications.	JournalofAlloysand Compounds, 828 (2020)154281	4.65	I
62.	C.Karthikeyan,R.DhilipKumar,J.Anandha RajandS.Karuppuchamy*,Onepotandlarge-scale synthesis of nanostructured metal sulfides:Synergisticeffectonsupercapacitor performance.	Energyand Environment,(2020)1-18.	1.775	I
63.	K.Ramachandran, C.Jeganathan,R.Prabhakaran,M.Wakisaka,G.Paruthimal Kalaignan and S.Karuppuchamy*, High performing air stable inverted perovskitesolarcellsusingnanostructured CuSCN thinfilm ashole transportmaterial.	SolarEnergyMaterials andSolarCells,2021, 231, 111116.	7.267	I
64.	K.Ramachandran, C.Jeganathan andS.Karuppuchamy*, One-step electrodeposition of CuSCN/CuI nanocomposite and its hole transport-abilityininvertedplanarperovskite solarcells	Nanotechnology,2021, 32,325402	3.874	I
65.	K.Ramachandran, C.Jeganathan andS.Karuppuchamy, Surfactant assisted electrochemical growth of ultra-thin CuSCN nanowiresforinvertedperovskitesolarcell applications.	OrganicElectronics, 2021, 95, 106214	3.721	I
66.	K.Ramachandran, C.Jeganathan andS.Karuppuchamy*, Electrodeposition of NanostructuredBilayerCuI@CuSCNasHole TransportMaterialforHighlyEfficient InvertedPerovskiteSolarCells.	JournalofAlloysand Compounds,2021,881, 160530	5.316	I
67.	K.Ramachandran, C.Jeganathan andS.Karuppuchamy*, Nanostructured bilayer CuSCN@CuIthinfilmsasefficientinorganic holetransportmaterialforinverted perovskite solarcells.	CeramicsInternational, 2021, 47(13), 17883-17894	4.527	I
68.	M.Nagalakshmi,C.Jeganathan,J.Anandharaj, A.NithiyaM.JothiBasuandS.Karuppuchamy* Biosynthesized TiO_2nanoparticles an efficient biogenicmaterialforphotocatalyticand antibacterialapplications.	Energy&Environment, 2021	1.775	I
Mathematics				

69.	C.Sugapriya,M.Nithya,K.Jeganathan,N. Anbazhagan,GyanendraPrasadJoshi, EunmokYangandSuseokSeo,Analysisof Stock-DependentArrivalProcessinaRetrial Stochastic Inventory Sys-tem with Server Vacation	Processes,10(1):176, 25pages,January2022,https://doi.org/10.3390/pr10010176.(ISSN: 2227-9717,SCIE, ScopusandWebof Science indexed)	2.847	I
70.	SivaKumarPathuri,N.Anbazhagan, GyanendraPrasadJoshi,andJinsang You,Feature-BasedSentimentalAnalysison PublicAttentionTowardsCOVID-19Using	Sensors,22(1):80,17 pages,December2021, https://doi.org/10.3390/s22010080.(ISSN:	3.576	I
	CUDA-SADBMClassicationModel	1424-8220, SCIE, ScopusandWebof Science indexed)		
71.	P.Thanalakshmi,R.Anitha,N.Anbazhagan, WoongCho,GyanendraPrasadJoshiand EunmokYang,AHash-BasedQuantum-ResistantChameleonSignatureScheme	Sensors,21(24):8417, 15pages,December 2021, https://doi.org/10.3390/s21248417.(ISSN: 1424-8220, SCIE, ScopusandWebof Science indexed)	3.576	I
72.	V.Vinitha,N.Anbazhagan,S.Amutha,K. Jeganathan,GyanendraPrasadJoshi,Woong Cho andSuseokSeo,SteadyStateAnalysisof ImpulsecustomersandCancellationpolicyin Queueing-Inventory System	Processes,9(12):2146, 16pages,November 2021, https://doi.org/10.3390/pr9122146.(ISSN: 2227-9717,SCIE, ScopusandWebof Science indexed)	2.847	I
73.	S.Subburam,LewisNkenyereye,N. Anbazhagan,S.Amutha,M.Kameswari, WoongChoandGyanendraPrasadJoshi,On theTernaryExponentialDiophantine Equation Equating a Perfect Power and Sum of Products of Consecutive Integers	Mathematics,9(15), 1813,9pages,July 2021, https://doi.org/10.3390/math9151813(ISSN: 2227-7390,SCIE, ScopusandWebof Science indexed)	2.258	I

74.	R.Suganya,LewisNkenyereye,N. Anbazhagan,S.Amutha,M.Kameswari, SrijanaAcharyaandGyanendraPrasadJoshi, PerishableInventorySystemwithN-Policy, MAPArrivalsandImpatientCustomers	Mathematics,9(13), 1514,14pages,June 2021, https://doi.org/10.3390/math9131514 (CorrespondingAuthor, ISSN:2227-7390,SCIE, ScopusandWebof Scienceindexed)	2.258	I
75.	K.Jeganathan,T.Harikrishnan,S.Selvakumar, N.Anbazhagan,S.Amutha,SrijanaAcharya, RajendraDhakal,andGyanendraPrasadJoshi, Analysis of Interconnected Arrivals on Queueing-InventorySystemwithTwoMulti-ServerServiceChannelsandRetrialfacility	Electronics.10(5), 576,2021. https://doi.org/10.3390/electronics10050576 (SCIE,ScopusandWeb ofScienceindexed)	2.412	I
76.	N.Nithya,N.Anbazhagan,S.Amutha,K. JeganathanandB.Koushick,Workingvacation inQueueing-StocksystemwithDelusive	GlobalandStochastic Analysis,8(1),53-71, January2021.(ISSN:	--	I
	Server	2248-9444,Scopus indexed)		
77.	SivaKumarPathuriandN.Anbazhagan, Feature-BasedSentimentalAnalysisOn ProductReviewSystemUsingCUDA-BB Algorithm	InternationalJournalof Emerging Trends in EngineeringResearch, 8(9),6380-6388,Sep. 2020.(ISSN2347-3983 (Print). DOI: https://doi.org/10.30534/ijeter/2020/237892020,Scopusindexed)	--	I
78.	J. Arockia Reeta, J. Vimala, A. Borumand Saeid, Algebraic relations over l-fuzzy soft groups	AfrikaMatematika,Vol. 32, No. 723, 2021	--	I
79.	VS.AnusuyaIlamathiandJ.Vimala,An investigationofBooleanfilterandBoolean pseudofilter over a residuated lattice in multiset and anti-multiset contexts	JournalofPhysics: ConferenceSeries,1850 (2021)012071, DOI:10.1088/1742-6596/1850/1/012071	--	I
80.	S. Sabeena Begam, J. Vimala and D. Preethi, AlgorithmforSolvingDecisionMaking ProblemBasedonAnti-LatticeOrderedMulti-FuzzySoftSets	AIP Conference Proceedings,Vol.2336, No.1,2021.	--	I
81.	AR.Pandipriya,J.Vimala,S.Rajareegaand D.Preethi,SomeViewsonOperationsandDualityin L-IVHFSSandContra-L-IVHFSS	AIPConference Proceedings,Vol. 2336,No.1,2021.	--	I

82.	D.Preethi,J.Vimala,S.Rajareega,A systematicstudyintheapplicationsoffuzzy hyperlattice	AIMS Mathematics, Vol. 6, No. 2, 1695-1705, 2021	1.427	I
83.	D. Preethi, J. Vimala, S. Rajareega, Madeline Al-Tahan,FuzzyHyperlatticeOrderedδ-Group andItsApplicationonABOBloodGroup System	JournalofIntelligent& FuzzySystems,Vol.41, No.5,2021,pp.5309-5315	1.851	I
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Sl.No.	**TitleofthePaper**	**Journal (Issue, Period,ISSN,page, etc.)**	**Impact factor**	**National (N)/ Internatio nal(I)**
1.	Chronicexposureof*Oreochromisniloticus*to sublethal copper concentrations: effects ongrowth,antioxidantenzymes,oxidative stressandnon-specificimmuneresponses	JournalofTrace ElementinMedicine and Biology, 2019; 55,170-179	2.8	I
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4.	5-Dodecanolide interferes with biofilm formation and reduces the virulence of Methicillin-resistant Staphylococcus aureus(MRSA)throughupregulationof agrsystem.	ScientificReports 9:1-16	4.122	I
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7.	Inhibition of Biofilm and Biofilm-associated Virulence factor production in Methicillin-Resistant Staphylococcus aureusbyDocosanol	Journal of Biotechnology,317: 59-69	3.163	I
8.	Piperineimpedesbiofilmformationand hyphalmorphogenesisofCandidaalbicans	Frontiersin Microbiology11:	4.256	I
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9.	Global proteomic analysis deciphers the mechanism of action of plant derived oleic acid against Candida albicans virulence and biofilm formation	ScientificReports 10(1),1-17	4.011	I
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12.	Cloning, expression, homology modelling and molecular dynamics simulation offour domain-containing α-amylase from Streptomyces griseus.	Journal of Biomolecular Structure and Dynamics 25:1-2	3.310	I
13.	Ethnomedicines of Indian origin for combating COVID-19 infection by hamperingtheviralreplication:using structure-baseddrugdiscoveryapproach	Journal of Biomolecular Structureand Dynamics16:1-6	3.310	I
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15.	Modulation of the host cell mitochondrial proteome by PemKSa toxin protein exposure.	Microbial Pathogenesis 140: p103963	2.914	I
16.	Understanding the role of p38 and JNK mediated MAPK pathway in response toUV-A induced photoaging in *Caenorhabditis elegans.*	J Photochem PhotobiolB. DOI:10.1016/j.jphotobiol.2020.111844 [InPress]	4.067	I
17.	*Salmonella enteric* SerovarTyphiexposure elicits deliberate physiological alterations and triggers the involvement of ubiquitin mediated proteolysis pathway in *Caenorhabditis elegans*.	InternationalJournal ofBiological MacromoleculesVol. 149,Jan24; 2020;149:215-233. DOI: 10.1016/j.ijbiomac. 2020.01.225	4.784	I
18.	Analyzingtheindividualandsynergistic effectsofantioxidantsincombatingaging	Photochemistryand Photobiology96(1):	2.721	I

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19.	*In vitro* and *in vivo* efficacy of *Caenorhabditis elegans* recombinant antimicrobial peptide against Gram-negative bacteria.).	Biofouling. Sep;35(8):900-921. doi: 10.1080/08927014. 2019.1675048.	2.847	I
20.	Unravelling the wound healing abilityand mode of action of pyridine carboxamideoximeusing*Caenorhabditis elegans*as potential prescreen wound model.	Life Sciences 235:116859;[DOI: 10.1016/j.lfs.2019.1 16859];	3.647	I
21.	Analysis of*Caenorhabditis elegans*phosphoproteome reveals the involvement of a molecular chaperone, HSP-90 protein during*Salmonella enterica*SerovarTyphiinfection.	InternationalJournal ofBiological Macromolecules 137:620-646. https://doi.org/10.1 016/j.ijbiomac.2019 .06.085;	4.784	I
22.	A Proteomic analysis of*Caenorhabditis elegans*mitochondria during bacterial infection.	Mitochondrion.pii: S1567-7249(18)30138-7	3.992	I
23.	Global proteomic response of Caenorhabditis elegans against PemKSa toxin.	FrontiersinCellular and Infection Microbiology, sectionBacteriaand Host: 9:172	3.518	I
24.	Understanding the role of DAF-16mediated pathway in *Caenorhabditis elegans*duringUV-Amediatedphotoaging process.	*Archives of Gerontology and Geriatrics*May-Jun 2019;82:279-285.	2.241	I
25.	Metal sensing-carbon dots loaded TiO2 nanocomposite forphotocatalytic bacterial deactivation and control acute-hepatopancreaticnecrosisdisease (AHPND)inaquaculture	ScientificReports (2020Jul 30;10(1):1-6.ISSN 2045-2322)	3.998	I
26.	Quinolines-Based SARS-CoV-2 3CLpro and RdRp Inhibitors andSpike-RBD-ACE2 InhibitorforDrug-RepurposingAgainst COVID-19:An*insilico*Analysis	Frontiers in Microbiology(2020 Jul23;11:1796.ISSN 1664-302X)	4.235	I
27.	Attenuation of *Proteus mirabilis*	Colloidsand	4.389	I

	colonizationandswarmingmotilityon indwellingurinarycatheterbyantibiofilm impregnation: An in vitro study	Surfaces B: Biointerfaces(2020 Jun18:111207.ISSN 0927-7765)		
28.	2-Hydroxy-4-methoxybenzaldehydefrom *Hemidesmus indicus*is antagonist to Staphylococcus epidermidis biofilm formation	Biofouling(2020 Jun25:1-5.ISSN 0892-7014)	2.351	I
29.	ExplicationofthePotentialof 2-Hydroxy-4-Methoxybenzaldehyde inHamperingUropathogenic*Proteus mirabilis* Crystalline Biofilm and Virulence	Frontiersin microbiology (2019; 10:2804.ISSN 1664-302X)	4.235	I
30.	Protective effect of neglected plant *Diplocyclos palmatus*on quorum sensing mediated infection of *Serratia marcescens*and UV-A induced photoaging in model *Caenorhabditis elegans*	Journal of Photochemistry and Photobiology B: Biology (2019 Dec 1;201:111637.ISSN 1011-1344)	4.383	I
31.	*Hemidesmus indicus*, a traditional medicinal plant, targets the adherence of multidrug-resistant pathogens to form biofilms	Biocatalysisand Agricultural Biotechnology (2019 Sep 1; 21:101338.ISSN 1878-8181)	--	I
32.	Anti-virulencepotentialof2-hydroxy-4-methoxybenzaldehyde against methicillin-resistant *Staphylococcus aureus* and its clinical isolates	Applied microbiologyand biotechnology (2019Aug 16;103(16):6747-58.ISSN0175-7598)	3.530	I
33.	The control of microbially induced corrosion by methyl eugenol – A dietary phytochemicalwithquorumsensing inhibitorypotential	Bioelectrochemistry (2019Aug 1;128:186-92.ISSN	1567-5394	I
34.	Global integrated omics expression analyses of abiotic stress signalingHSF transcription factor genes in Oryzasativa L.:An*in-silico*approach.	Genomics(Elsevier), ISSN:0888-7543, 112(1)908–918	6.205	I
35.	Augmenting competent*invitro*organogenesis etiquette from leaf base of country mallow,*Abutilon indicum*L. sweet:anethno-botanicallyvaluable medicinalplant.	Biocatalysisand Agricultural Biotechnology (Elsevier, Netherlands)ISSN:	-	I

		1878-8181, 19:101125.		
36.	Genetic diversity analysis reveals strong population structure in Sorghum germplasm collection.	Proceedings of the National Academy of Sciences, India SectionB:Biological Sciences., India, Sect.B Biol.Sci (Springer) ISSN: 0369-8211,90(1) 179–190	0.396	I
37.	Bacopa monnieri and Their Bioactive Compounds Inferred Multi-Target Treatment Strategy for Neurological Diseases:ACheminformaticsandSystem PharmacologyApproach	Biomolecules,10, 536,ISSN:2218-273X	4.694	I
38.	Global transcriptome analysis of novel stress associated protein (SAP)genes expression dynamism of combined abiotic stressesin*Oryzasativa*(L.).	Journal of Biomolecular Structure & Dynamics (Taylor &Francis). ISSN: 1538-0254,	3.310	I
39.	Evaluations of Biosynthesized Ag nanoparticles via Allium Sativum flower extract in biological applications.	Applied Nanoscience(Springer, Switzerland)ISSN: 2190-5517	3.198	I
40.	Integrated transcriptomic and metabolomic analyses of glutamine metabolism genes unveil key players in Oryzasativa(L.)toamelioratetheunique and combined abiotic stress tolerance.	International Journa lofBiologicalMacro molecules(Elsevier), ISSN:0141-8130–164,222-231	5.162	I
41.	Phytol loaded PLGA nanoparticles ameliorate scopolamine induced cognitive dysfunction by attenuating acetylcholinesterase activity, oxidative stress and apoptosis in Wistar rat. (in press)	Nutritional Neuroscience (TaylorandFrancis) 14May2020-online	3.765	I
42.	Deciphering the anti-apoptotic potential of α-bisabolol loaded solid lipidnanoparticles against Aβ induced neurotoxicity in Neuro-2a cells.	Colloidsand Surfaces B: Biointerfaces, [Elsevier] Jun;2020,	3.973	I

		190:110948.		
43.	Phytol loaded PLGA nanoparticlesregulate the expression of Alzheimer's related genes and neuronal apoptosis against amyloid-β induced toxicity in Neuro-2a cells and transgenic Caenorhabditis elegans.	Foodand Chemical Toxicology Volume 136,February2020, 110962[Elsevier]	3.775	I
44.	Amyloid-β induced neuropathological actions are suppressed by Padina gymnospora(Phaeophyceae)andits active constituent α-bisabolol in Neuro2a cells and transgenicCaenorhabditiselegans Alzheimer's model.	NitricOxide 2019 Oct1;91:52-66 [Elsevier]	3.371	I
45.	α-bisabolol β-D-fucopyranoside as a potential modulator of β-Amyloid peptide induced neurotoxicity: an in vitro& in silico study.	Bioorganic Chemistry2019 Jul;88:102935 [Elsevier]	IF-3.929	I
46.	Daucosterol disturbs redox homeostasis and elicits oxidative-stressmediated apoptosis in A549 cells via targeting thioredoxinreductasebyap53dependent mechanism.	EuropeanJournalof Pharmacology2019 Jul15;855:112-123 [Elsevier]	IF-3.040	I
47.	Phytol ameliorated Benzo(a)pyrene induced lung carcinogenesis inSwiss albino mice via inhibition of oxidative stress and apoptosis	Environmental Toxicology 2019 Apr;34(4):355-363 [JohnWiley&Sons]	2.649	I
48.	Therapeutic potential of polyphenols in cardiovascular diseases: regulation of mTOR signaling pathway.	Pharmacological Research,[Elsevier], Volume152, February2020, 104626	5.574	I
49.	Autophagy: A PotentialTherapeuticTarget of Polyphenols in Hepatocellular Carcinoma.	Cancers.2020Feb; 12(3)	6.126	I
Bioelectronics & Biosensor				
50.	$MgNi_2O_3$nanoparticles as novel and versatile sensing material for non-enzymatic electrochemical sensing of glucose and conductometric determinationofacetone	JournalofAlloysand Compounds, 817(2020/3/15) 152787	4.175	I

Bioinformatics				
51.	Structural and functional insights of STAT2- NS5 interaction for the identification of NS5 antagonist-Anapproachforrestoring interferonsignaling.	Computational Biologyand Chemistry, 88,107332,2020	1.85	I
52.	Molecular Docking, Dynamics and Free Energy analyses of Acinetobacter baumannii OXA classenzymeswithcarbapenems investigatingtheirhydrolyticmechanisms.	JournalofMedical Microbiology, 69(8):1062-1078, 2020	2.156	I
53.	*In silico* functional annotation and characterizationofhypotheticalproteinsfrom *Serratiamarcescens*FGI94	BiologyBulletin,47,4, 319–331,2020	0.45	I
54.	Structuralinsightsonbindingmechanismof CADcomplexes(CPSase,ATCaseandDHOase)	Journalof Biomolecular Structureand DynamicsMay5;1-14, 2020.	3.310	I
55.	Optimization of media components and culture conditions for polyhydroxyalkanoates production by *Bacillus megaterium*	Fuel,271,117522, 2020	5.128	I
56.	IMRPS:InsertedandModifiedResiduesin Protein Structures: A Database.	Journal of Applied Crystallography,53, 2020.	3.161	I
57.	MRPC:MissingRegionsinPolypeptideChains -AKnowledgebase.	Journal of Applied Crystallography, Vol 52:1422-1426,2019	3.161	I
58.	Insights into Exogenous Tryptophan-Mediated Allosteric Communication and Helical TransitionofTRPProteinforTranscription Regulation.	Journal of Chemical Information and Modeling,60(1)175-191,2020	3.966	I
59.	BioinspiredZincOxideNanoparticlesUsing *Lycopersicon esculentum* for Antimicrobial and AnticancerApplications.	Journal of Cluster Science.,30(6):1465-1479,2019	2.125	I

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61.	Nachiappan M, Jain V, Sharma A, Yogavel M & Jeyakanthan J. Conformational changes in Glutaminyl-tRNA synthetases upon binding of thesubstratesandanalogsusingmolecular dockingandmoleculardynamicsapproaches.	Journal of Biomolecular Structure and DynamicsMay30:1-15,2019.	3.310	I
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65.	Design of novel PhMTNAinhibitors, targeting neurological disorder through Homology Modeling,MolecularDocking&Dynamics approaches.	JournalofReceptor Signaland Transduction,39,28-38,2019	1.775	I
66.	Exploration of N5-CAIR mutase Novel inhibitorsfromPyrococcushorikoshiiOT3– A ComputationalStudy	Journalof Computational Biology,26,457-472, 2019	1.191	I
67.	IdentificationofPak1inhibitorsusingwater thermodynamicanalysis.	Journalof Biomolecular Structureand DynamicsJan20:1-19, 2019.	3.310	I
68.	InsilicoinsightsonDisialogangliosideGD2:A Potential5targetforPediatricNeuroblastoma	Current topics in medicinal chemistry (2019,19(30), pp.2766-2781)	3.44	I

69.	TargetingtheNTPasesiteofZikavirusNS3 helicase for inhibitor discovery	Journalof Biomolecular Structureand Dynamics(2019,pp.1-11)	3.31	I
70.	Current Computational Approaches for the Development of Anti-HIV Inhibitors: An Overview	Currentpharmaceuti caldesign (2019,25(31), pp.3390-3405)	2.41	I
71.	InsilicoinsightsonIL-6:APotentialtargetfor MulticentricCastlemanDisease	Currentcomputer-aideddrugdesign (2019,15,pp.0-0)	1.20	I
72.	EffectofAminoAcidSubstitutioninth e PenaeusmonodonLGBPandSpecificit y Through Mutational Analysis	InternationalJournal of Peptide Research andTherapeutics (2019,pp.1-13)	1.21	I
73.	A Computer-Aided Drug Designing for PharmacologicalInhibitionofMutantALKfor theTreatmentofNon-smallCellLungCancer.	Currenttopicsin medicinal chemistry,(2019, 19(13),pp.1129-1144.	3.44	I
74.	Daucosterol disturbs redox homeostasis and elicitsoxidative-stressmediatedapoptosisin A549cellsviatargetingthioredoxinreductase byap53dependentmechanism	European Journal of Pharmacology(2019, 855,pp.112-123)	3.17	I
75.	Identificationofhigh-affinitysmallmolecule	AsianPacificJournal	2.06	I
	targetingIDH2fortheclinicaltreatmentof acute myeloid leukemia	ofCancerPreventio n (2019,20(8),p.2287)		
76.	IdentificationofPotentVEGFInhibitorsfor the Clinical Treatment of Glioblastoma, A Virtual ScreeningApproach	AsianPacificJournal ofCancerPreventio n (2019,20(9),p.2681)	2.06	I
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78.	Energeticallyoptimizedpharmacophore modeling to identify dual negative allosteric modulatorsagainstgroupImGluRsin neurodegenerativediseases	Journalof Biomolecular Structureand Dynamics(2020, 38(8),pp.2326-2337)	3.31	I

79.	Investigating into the molecular interactions of flavonoids targeting NS2B-NS3 protease fromZIKAvirusthroughin-silicoapproaches	Journalof Biomolecular Structureand Dynamics(2020,pp.1-13)	3.31	I
80.	Structural dynamic studies on identification of EGCG analogues for the inhibition of Human Papillomavirus E7	ScientificReports (2020, 10(1), pp.1-24)	4.01	I
81.	Computational analysis identifies druggable mutations in human rBAT mediated Cystinuria	Journalof Biomolecular Structureand Dynamics(2020,pp.1-10.)	3.31	I
82.	IdentificationofDualnegativeallosteric modulatorsofGroupImGluRfamily:Ashape based screening, ADME Prediction, Induced FitDockingandMolecularDynamicsapproach againstNeurodegenerativeDiseases	Current topics in medicinal chemistry (2019,19(29), pp.2687-2707)	3.44	I
83.	Investigation of drug interaction potentials andbindingmodesondirectrenininhibitors. A computational modeling study.	LettersinDrugDesign andDiscovery,16, (8), ISSN1570-1808,919-938(20)).	0.924	I
84.	Green Biosynthesis of gold nanoparticlesusing Croton sparsiflorus leaves extract and evaluationofUVprotection,antibacterialand anticancerapplications,	Applied Organometallic Chemistry, January , 34 (2020) e5574	3.14	I
85.	TPGS-mediated one-pot synthesis, XRD structural analysis, antimicrobial evaluation andmoleculardockingofnovelheterocycles aspotentialinhibitorsofp53-MDM2protein,	JournalofMolecular Structure,February, 1202,(2020),127252.	2.463	I
86.	Humanserumalbumininteraction,insilico and anticancer evaluation of pine-gold nanoparticles	ProcessBiochemistry, February, 89 (2020) 98-109	2.952	I
87.	Screeningofinhibitorsaspotentialremedial	Journal of	3.310	I
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88.	Identification of fungal infections through Precision Farming and Waste water treatmentforTomatoes*(Solanum Lycopersicum)*	Tobesubmittedfor "Computersand Electronicsin Agriculture"	3.85	I
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89.	S. Karuppuchamy*, C. Brundha, C. Karthikeyan and K. Ramachandran Development of $TiO_2$for Low Cost Solar Cells	AIP *Conference Proceedings* ,2161 (1)(2019)020046. AIPPublishing.	0.40	I
90.	V.SannasiandS.Karuppuchamy,High-pseudocapacitance of $MnCo_2O_4$ nanostructures prepared by phenolphthalein assisted hydrothermal andmicrowavemethods	Ceramics International, 46 (2020),15510-15520	3.830	I
91.	V. Sannasi, K. Uma Maheswari, C. Karthikeyan and S. Karuppuchamy, H_2O_2assistedmicrowavesynthesisofNiO/CNT nanocomposite material for supercapacitorapplications	Ionics,26,(2020) 4067-4079	2.394	I
92.	C. Karthikeyan, P. Arunachalam, K. Ramachandran, A.M. Al-Mayouf, S.Karuppuchamy*, Recent advances in semiconductormetaloxideswithenhancedmethodsforsolarphotocatalytic applications	JournalofAlloysand Compounds, 828 (2020)154281.	4.650	I
93.	C. Karthikeyan, R. Dhilip Kumar, J.Anandha Raj and S. Karuppuchamy*, One potandlarge-scalesynthesisof nanostructuredmetalsulfides:Synergistic effect on supercapacitor performance	Energy and Environment,(2020) 1-18.	1.75	I
94.	V.Sannasi;S.Karuppuchamy,Influenceof MoringaoleiferaGumonTwoPolymorphs Synthesis of MnO_2 and Evaluation of the Pseudo-Capacitance Activity"	Journal of Materials Science:Materialsin Electronics, Accepted for Publication	2.220	I
Mathematics				
95.	Neighborhoodoutersplitdominationin graphs	JournalofDiscrete Mathematical Sciencesand	--	I
		Cryptography,22(5), 787-799,Dec. 2019.		

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97.	Journal of DiscreteMathematical sciences and Cryptography	International Journal ofRecent Technology & Engineering, Volume 8, Issue 2S11,September, 2019, pp.2624-2629,ISSN2277-3878	--	I
98.	Personify Educational Assistance application for special children using deep learning	International journalof Innovative Technologyand Exploring Engineering, Volume8,Issue10, August, 2019, pp.1609-1614, ISSN 2278-3075	--	I
99.	Similarity Measure of Lattice Ordered Multi-Fuzzy Soft Sets Based on Set Theoretic Approach and Its Application In Decision Making	Mathematics2020, 8,1255	1.747	I
100.	Associative filters andassociative pseudofilters of residuated lattices in multisetcontext	ProcediaComputer Science, Vol. 171, 2020,1917-1926.	--	I
101.	Complex Intuitionistic Fuzzy Soft Lattice Ordered Group and Its Weighted Distance Measures	Mathematics2020, 8,705.	1.747	I
102.	Biological inheritance on fuzzy hyperlattice ordered group	JournalofIntelligent and Fuzzy Systems Vol 38, no.5, pp.6457-6464,2020.	1.851	I
103.	Lattice ordered soft group and its applicationinurbanplanning	JournalofIntelligent andFuzzySystems Vol. 38, no.3, pp. 2591-2959,2020.	1.851	I

104.	SomePropertiesOnFuzzyHyperlattice OrderedGroup	InternationalJournal ofAdvanced Science and TechnologyVol.28, No.9,(2019),pp. 124-132.	--	I
105.	The Role of (α,β) – Level set on Complex Intuitionistic Fuzzy Soft Lattice Ordered Groups	InternationalJournal ofAdvanced Science and TechnologyVol.28, No.9,(2019),pp. 116-123.	--	I
106.	Some Results on Single Valued Neutrosophic Hypergroup	Neutrosophic Sets andSystems,Vol. 31,2020	--	I
107.	Single-ValuedNeutrosophicHyperrings and Single- Valued Neutrosophic Hyperideals	Neutrosophic Sets andSystems,Vol. 29,2019	--	I
108.	Implicative and PositiveImplicativeFilters of Residuated Lattices in Multiset Context	JournalofDiscrete Mathematical Sciences and Cryptography Vol. 22(2019),No.5,pp. 869-882	0.68	I
109.	A Novel Study on the Algebraic Applications of Special Class of Lattice Ordered Multi-Fuzzy Soft Sets	JournalofDiscrete Mathematical Sciences and Cryptography, Vol. 22(2019),No.5,pp. 883-899	--	I
110.	Applications of Multisets in Filter Theory of Residuated Lattices	InternationalJournal ofAdvanced Science and Technology,Vol.29, No. 4, (2020), pp. 720-732.	0.68	I
111.	Some properties on product of fs Matrices and its application in decision making	The International Journal of Analytical and Experimental ModelAnalysisVol. XI,IssueVII,July, 2019.	--	I
112.	Impulsive effects on stability and passivity analysis of memristor-basedfractional-order competitive neural networks	Neurocomputing https://doi.org/10.1016/j.neucom.2020.07.036	4.438	I

Microbiology				
113.	Anaerobic Process for Biohydrogen Production using Keratin Degraded Effluent	Journal of Pure and Applied Microbiology, 13(2), June2019,1135-1143	-	I
114.	Comparative study on*Cronobacter sakazakii*and*Pseudomonas otitidis*isolated from septic tank wastewater in microbialfuelcellforbioelectricity generation	Fuel,Volume248, 15July2019,Pages 47-55	5.578	I
115.	Biodiesel production from *Ulva linza, Ulva tubulosa,Ulvafasciata,Ulvarigida,Ulva reticulate*byusingMn_2ZnO_4heterogenous nanocatalysts	Fuel,Volume 255,1 November2019, 115744	5.578	I
116.	Enhancedmicrobialbiodieselproduction fromlignocellulosichydrolysatesusing yeastisolates	Fuel,Volume256, 15November2019, 115932	5.578	I
117.	Simultaneous biohydrogen (H_2) and bioplastic (poly-β-hydroxybutyrate-PHB) productions under dark, photo, and subsequent dark and photo fermentation utilizing various wastes	InternationalJournal ofHydrogen Energy,Volume45, Issue10,21 February2020, Pages5840-5853	4.939	I
118.	Al_2O_3-CaO Nanocatalytic biodiesel production and antibacterial potentialsilver nanoparticle synthesisfrom *Pedalium murex* extract	JournalofKingSaud University – Science, Volume 32, Issue 2, March2020,Pages 1503-1509	3.819	I
119.	Zinc based iron mixed oxide catalyst for biodiesel production from*Entermorpha intestinalis, Caulerpa racemosa*and *Hypnea musicoformisis*and antibiofilm analysisusingleftovercatalystafter transesterification	JournalofKingSaud University – Science, Volume 32, Issue 2, March2020,Pages 1604-1611	3.819	I
120.	Mushroom-DerivedCarbonDotsforToxic Metal Ion Detection and as Antibacterial and Anticancer Agents	ACSAppliedNano Materials,May 2020, 3, 6, 5910–5919	-	I
121.	Dark fermentative biohydrogen production by *Acinetobacterjunii*-AH4	International JournalofHydrogen	4.939	I
	utilizingvariousindustrywastewaters	Energy, Available online28July2020, In Press, Corrected Proof		

122.	Optimization of media components and culture conditions for polyhydroxyalkanoatesproductionby *Bacillusmegaterium*	Fuel,Volume 271,1 July2020,117522	5.578	I
Physics				
123.	Investigation of electrochemical propertiesofvarioustransitionmetals dopedSnO2sphericalnanostructuresfor supercapacitorapplications	Journal of Energy Storage31,(2020), 101530	3.762	I
124.	Synthesis of self-assembledmicro/nano structured manganese carbonate for high performance, long lifespan asymmetric supercapacitors and investigation of atomic-levelintercalationpropertiesof OH−ionsviafirstprinciplecalculation	Journalofenergy storage (2020) 101138.	3.762	I
125.	ImprovedoptoelectronicpropertiesofGd doped cadmium oxide thin films through optimizedfilmthicknessforalternative TCOapplications	JournalofAlloysand Compounds, 820, (2020)153188	4.65	I
126.	Improvedphotocatalyticperformanceof nanostructured SnO_2 via addition of alkaline earth metals (Ba^{2+}, $Ca^{2+}$and Mg^{2+}) under visible light irradiation	AppliedPhysicsA, 126, (2020),1-12.	1.81	I
127.	Different rare earth (Sm, La, Nd) dopedmagnetron sputtered CdO thin films foroptoelectronic applications	Journal of Materials Science:Materialsin Electronics 30(10),(2019) 9999–10012	2.220	I
128.	Neutral and alkaline chemical environment dependent synthesis of Mn_3O_4 for oxygen evolution reaction (OER).	MaterialsChemistry and Physics (2020) 122864	3.408	I
129.	Cancertargetingpotentialofbioinspired chain like magnetite (Fe_3O_4) nanostructures	Current Applied Physics,20,(2020), 982-987	2.28	I
130.	$CoNiSe_2$Nanostructures for Clean EnergyProduction	ACSOmega,5, (2020),14702	2.87	I
131.	Designingrationalandcheapest SeO_2electrocatalystforlongstablewater splittingprocess	JournalofPhysics and Chemistry of Solids,145(2020) 109544	3.442	I
132.	Efficientandstableplanarperovskite solarcellsusingco-dopedtinoxideasthe electrontransportlayer	Journal of Power Sources,471(2020) 228443.	8.247	I
133.	EnergystorageperformanceofCoNiSe2 nanostructures	MaterialsLetters, 279, (2020), 128485	3.204	I

134.	Fabrication and electrochemical OER activity of Ag doped MoO3 nanorods	MaterialsSciencein Semiconductor Processing 107, (2020),104818.	3.085	
135.	Functionalreducedgrapheneoxide/cobalt hydroxidecompositeforenergystorage applications	Materials Letters276, 2020, 128193	3.204	I
136.	Hydrothermal Method–Derived $MnMoO_4$ Crystals: Effect of Cationic Surfactant on MicrostructuresandElectrochemical Properties	Chemistryselect,5, (2020)7728-7733.	1.811	I
137.	In situ hydrothermal growth of SnS/Ni foam for electrochemical energy storage and conversion	MaterialsLetters, 273(2020),127958,	3.204	I
138.	Investigation on copper based oxide, sulfide and selenide derivatives oxygen evolution reaction activity	Appl Nanosci (2020) https://doi.org/10.1007/s13204-020-01531-7	2.880	I
139.	NidopedBi2WO6forelectrochemicalOER activity	InternationalJournal of Hydrogen Energy, 45 (2020) 18859-18866	4.939	I
140.	Nickel–cobalt hydroxide: a positive electrode for supercapacitor applications	RSC Advances, 10(33), (2020), 19410-19418.	3.049	I
141.	Nickel,bismuth,andcobaltvanadium oxides for supercapacitor applications	Ceramics International(2020) https://doi.org/10.1016/j.ceramint.2020.07.320	3.83	I
142.	Photoelectrochemicalactivityofcopper vanadate nanostructures	MaterialsLetters, 274(2020),127996.	3.204	I
143.	Single-phase Cr_2O_3 nanoparticles for biomedical applications	Ceramics International 46, (2020)19890-19895	3.83	I
144.	Synthesisofhighlyactivebiocompatible ZrO_2 nanorods using a bioextract	Ceramics International,(2020) https://doi.org/10.1016/j.ceramint.202	3.83	I
		0.07.076		
145.	Urchin like $NiCo_2O_4$/rGO nanocomposite for high energy asymmetric storage applications	Ceramics International 46, (2020)16291-16297	3.83	I

146.	Water-splitting application of orthorhombicmolybditeα-MoO_3nanorods	Ceramics International 46,(2020)23218-23222	3.83	I
147.	Y_2O_3nanorodsforcytotoxicityevaluation	Ceramics International, 46,(2020)20553-20557	3.83	I
148.	Ni supported anorthic phase $FeVO_4$nanorods for electrochemical water oxidation	Materials Letters, (2020), 128091	3.204	I
149.	Exploration on sulfur/acid treatment of sepiolite composite positive electrode material for lithium-sulfur battery	Ceramics International	3.830	I
150.	Clout of carbon in Polyacrylonitrile/Sulfur composite cathode via solution processing technique for lithium-sulfur batteries	JournalofPorous Materials Accepted for Publication	2.183	I
151.	Effect of TiO_2/carbon black in sulfur based composite cathode for lithium sulfur batteries	Ionics (Acceptedfor Publication)	2.394	I
152.	An Emerging Electrochemically Active Maricite NaMnPO4 as Cathode Material at Elevated Temperature for Sodium-Ion Batteries	Applied Nanoscience (Accepted)	2.88	I
153.	Graphene Sheets Encased Silica/Sulfur Composite Cathode for Improved Cyclability of Lithium-Sulfur Batteries	JournalofSolid State Electrochemistry (Accepted)	2.646	I
154.	Tweaking the Electrochemical Activity of Maricite NaMnPO4in Sodium Batteries usingDifferentManganesePrecursorsvia PolyolMethod	JournalofSolid StateChemistry (Proof read)	2.726	I
155.	Novel Layered O3-NaFe0.45Co0.45Ti0.1O2 cathode material for Sodium Batteries	Materials Letters 276 (2020) 128181 DOI: 10.1016/j.matlet.2020.128181	3.204	I
156.	AnImprintofSulfur/SiO_2inN-doped Graphene as Positive Electrode for Lithium-SulfurRechargeableBatteries	Appld.Phys.A (Acceptedfor Publication)	1.81	I

157.	Titanium based Layered O3-NaTi7/10Ni3/20Mg3/20O2anodematerial for Sodium ion batteries	MaterialsLetters (Published Online) doi:10.1016/j.matlet.2020.127950	3.204	I
158.	Nitrogen doped GrapheneSheets Encapsulated Sulfur Binary Composite as Cathode for Lithium-Sulfur Battery Applications	JournalofMaterials Engineering and Performance (Accepted for Publication)CTA submitted DOI: 10.1007/s11665-020-04825-7	1.652	I
159.	Stable Prismatic Layer Structured Cathode Material via Cation Mixing for Sodium Ion Battery	Ionics (Acceptedfor Publication)	2.394	I
160.	Cobalt doped layered Lithium nickel oxideas a 3 in 1 electrode for Lithium-ion, Sodium-ion and supercapacitor applications	International JournalofEnergy Research (Accepted for Publication)	3.741	I
161.	Sepiolite Enfolded Sulfur/ ZnO Binary Composite Cathode Material for Li-S Battery	Frontiers in Materials (Acceptedfor Publication)	2.705	I
162.	Enhanced Electrochemical Performance of MWCNT-intercalated Silica/Sulfur Composite Cathode for Rechargeable Lithium-SulfurBatteries	Journal of Minerals, Metals & Materials Society -(JOM) (Accepted for Publication) DOI: 10.1007/s11837-020-04165-w.	2.029	I
163.	Effect of Polyaniline on Sulfur/Sepiolite Composite Cathode forLithium-Sulfur Batteries	Polymers 12(2020)755 doi:10.3390/polym12040755	3.426	I
164.	Graphene oxide-crowned poly(acrylonitrile)/sulfur as a lithium–sulfurbatterycathode:performanceand characterization	SN Applied Sciences (Proof Read) DOI: 10.1007/s42452-020-2576-8	-	I
165.	High Capacity Prismatic TypeLayered Electrode with Anionic Redox Activity as anEfficientCathodeMaterialand PVdF/SiO2CompositeMembranefora	Polymers 12(2020)662 doi:10.3390/polym12030662	3.426	I
	SodiumIonBattery			

166.	Micro-/Mesoporous Nature of Carbon Nanofiber/Silica Matrix as an Effective Sulfur Host for Rechargeable Lithium-SulfurBatteries	J.PhysicsD:Applied Physics (Acceptedfor publication)	3.169	I
167.	Enhanced Performance on layered O3-Na0.95CrO2 cathode material foremerging sodium ion Batteries	Ionics (Acceptedfor publication) doi:10.1007/s11581-020-03523-7	2.394	I
168.	Superior Ionic Transferring Polymer with SilicondioxidecompositeMembranevia Phase Inversion Method designed for High Performance Sodium-Ion Battery	Polymers 12(2020)465; doi:10.3390/polym12020405	3.426	I
169.	Egg Shell Membrane Derived Carbon CoatedOnLi2FeSiO4CathodeMaterialfor Li-Ion Batteries	Energies 13(2020)786; doi:10.3390/en13040786	2.702	I
170.	Effect of downsizing the maricite type α phase sodium cobalt phosphate(α-NaCoPO4) in sodium-ion battery	J. Nanoparticle Research (Accepted)DOI: 10.1007/s11051-019-4733-9	2.132	I
171.	Sulfur nested with mixture of MnO_2/AB composite as efficient host for high performance Li-S batteries	J.ChemicalSciences (Proof Read) https://doi.org/10.1007/s12039-020-1755-x	1.406	I
172.	CarbonLoadedNano-DesignedSpherically HighSymmetricLithiumIronOrthosilicate CathodeMaterialsforLithiumSecondary Batteries	Polymers 11(2019)1703; DOI:10.3390/polym11101703	3.426	I
173.	Explorationofsulfurinmixtanchormaterials for lithium sulfur batteries	MaterialsResearch Express 6(11)(2019) 115522 https://doi.org/10.1088/2053-1591/ab49a5	1.929	I
174.	Kombucha scoby based carbon and Graphene oxide wrapped sulfur/ Poly (acrylonitrile) as a high-capacity cathode in lithium–sulfur batteries	Frontiers of ChemicalScience and Engineering (Accepted for Publication)	3.552	I
175.	Investigations on partially reduced	MaterialsResearch	1.929	I

	grapheneoxidecappedsulfur/polyaniline composite as positive electrode material for lithium-sulfur battery	Express 6(2019)094005 DOI:10.1088/2053-1591/ab2e59		
176.	Sway of MnO2 with poly (acronitrile) in sulfur based electrode for lithium sulfur batteries	PolymerBulletin (Accepted for publication) https://doi.org/10.1007/s00289-019-02963-0	2.014	I
177.	Sulfur Cloaked with Different Carbonaceous Materials forHigh Performance Lithium Sulfur Batteries	CurrentApplied Physics 19(2019)902-909 DOI: 10.1016/j.cap.2019.05.001	2.281	I
178.	Effect of silicon dioxide in sulfur/carbon blackcompositeasacathodematerialfor lithium sulfur batteries	Vacuum 161 (2019) 37-48. DOI: 10.1016/j.vacuum.2018.12.016	2.906	I
179.	GreensynthesisofCuOnanoparticlesvia Allium sativum extract and its characterizations on antimicrobial, antioxidant, antilarvicidal activities	Journalof Environmental Chemical Engineering8 (2020)104123 ISSN:2213-3437	4.3	I
180.	Evaluations ofbiosynthesized Ag nanoparticlesviaAlliumSativumflower extract in biological applications	Applied Nanoscience,2020 ISSN:2190-5509	2.88	I
181.	Growth, experimental and theoretical investigations on 4-hydroxy-3-methoxybenzaldehyde 5-chloro-2-hydroxybenzoicacid:Anewhighsecond ordernonlinearopticalmaterial	JournalofMolecular Structure, pp.128406, 2020 ISSN: 00222-2860	2.463	I
182.	Physicochemical and DFT studies on new organicBis-(2-amino-6-methylpyridinium)succinatemonohydrategoodquality single crystal for nonlinear optical applications	Journal of Molecular Structure, Vol.1212 pp.128069, 2020 ISSN:0022-2860	2.463	I
183.	Effective growth and characterization of piperazinium orthophthalatesingle crystalyieldinghighsecondharmonic generationefficiency	Chinese Journalof Physics64(2020) 65–78 ISSN:0577-9073	2.638	I
184.	EffectofcytotoxicityandaAntibacterial	Materials Chemistry	3.408	I

	activityofbiosynthesisofZnOhexagonal shaped nanoparticles by Echinochloa frumentaceagrainsextractasareducing agent	and Physics, Vol.239, pp.121976, 2020 ISSN:0254-0584		
185.	Effect of biosynthesis of ZnO nanoparticles via Cucurbita seed extract on Culex tritaeniorhynchus mosquito larvaewith its biological applications	Journal of Photochemistry & Photobiology, B: Biology, Vol.200, pp.111650, 2019 ISSN:1011-1344	4.383	I
186.	Influences of sputtering power and annealing temperature on the structuraland optical properties of Al_2O_3:CuO thin filmsfabricatedbyradiofrequency magnetronsputteringtechnique	J.Mater.Sci.:Mater. Electron.30(2019) 18315.	2.220	I
187.	Development of room temperature sensor based on high quality rhombohedral Al_2O_3:Cr_2O_3(1:1) thin film with bone like morphologicalfeatureforultrasensitive detectionofNH_3gas	J.Mater.Sci.:Mater. Electron.31(2020) 10123	2.220	I
Industrial Chemistry				
188.	A NiCo-MOF nano sheet array based electrocatalystfortheoxygenevolution reaction	Nanoscale Advances,2020,2, 2073-2079	-	I
189.	A simple self-assembly fabrication of tin oxide nanoplates on multiwall carbon nanotubes for selective and sensitive electrochemical determination ofantipyretic drug	Colloidsand Surfaces A: Physicochemical andEngineering Aspects,598(2020) 124825	3.9	I
190.	Colorimetric and fluorescence sensing of Zn^{2+}ion and its bio-imaging applications based on macrocyclic “tet a” derivative	Journal of Photochemistry and Photobiology B: Biology,207(2020) 111854	4.383	I
191.	Macrocyclic “tet a” derived colorimetric sensor for the detection of mercury cations and hydrogen sulphate anions and its bio-imaging in living cells	Journal of Photochemistry and Photobiology B: Biology,203(2020) 111739	4.383	I
192.	Macrocyclic “tet a” derived colorimetric sensor for the detection of mercury cations andhydrogensulphateanionsanditsbio-imaginginlivingcells.	J. Photochemistry and Photobiology B: Biology, 203, 2020, 111739	4.06	I
193.	Synthesisandcharacterizationofdimeric	InorganicaChimica	2.433	I

	Schiff base Co^{II}, Ni^{II}, Cu^{II} complexes for their catalyticapplicationofaerobicoxidationof alcoholandinteractionwithbiomolecules.	Acta,508(2020) 119626.		
194.	Mushroom-DerivedCarbonDotsforToxic Metal Ion Detection and as Antibacterial and Anticancer Agents.	ACSAppliedNano Materials. 2020,3,6,5910-5919.	-	I
195.	Colorimetricandfluorescencesensingof Zn^{2+}ionanditsbio-imagingapplications basedonmacrocyclic"teta"derivative.	J. Photochemistry and Photobiology B: Biology, 207, 2020, 111854.	4.06	I
196.	Lyotropicliquidcrystaldirectedsynthesis of anisotropic copper microparticles and their application in catalysis	*Colloids Surf. A.* (2019),575,237-244.DOI:10.1016/j.colsu rfa.2019.05.020	3.1	I
197.	Side Chain Polysiloxane Liquid Crystal Elastomers from NonMesogenic Components	NewJ. Chem.	3.069	I
198.	Bent-Core Liquid Crystal-Functionalised Flexible Polymer Substrates for Liquid Crystal Alignment	LiquidCrystals DOI:10.1080/02678292.2019.1685135	3.078	I
199.	Photo-responsive azo-functionalised flexible polymer substrate for liquid crystalalignment	LiquidCrystals DOI:10.1080/02678292. 2020.1716276.	3.078	I
200.	In situ preparation of palladium nanoparticles in ionic liquid crystal microemulsionandtheirapplicationin Heckreaction.	JournalofMolecular Liquids doi.org/10.1016/j.molliq.2020.113241	5.065	I
Nanoscience and Technology				
201.	CuO–ZnO p–n junction enhanced oxygen sensing property of polypyrrole nanocomposite at room temperature	*J.ofMat.Sci.:Mat.in Elect. 30 (2019) 9989–9998*	2.220	I
202.	Inspection of Room TemperatureHydrogen Sensing Property of Nanostructured Polypyrrole/Polyaniline Hetero-junctionsSynthesizedbyOne-pot InterfacialPolymerization	*Mat. Chem. & Phy. 250(2020)123153*	3.408	I
203.	InvestigationofNH3GasSensingBehavior ofIntercalatedPPy–GO–WO3Hybrid Nanocomposite at Room Temperature	*Mat. Sci. & Engg. B 257(2020)114558*	4.706	I
204.	Fabricationofroomtemperatureliquid	*App.Nanosci.9(8)*	3.198	I

	petroleumgassensorbasedonPAni–CNT–V_2O_5hybridnanocomposite	*(2019)1719–1729*		
205.	Enhanced photocatalytic activity and biological efficiency of Au/ZnO nanoparticles formed by the greensynthesisrouteusingMyristicaFragrans seedextract	*Communicated*	-	I
206.	BiologicalexcitationofMyristicafragrans seedcapped-AuNPsforitstherapeutic potential–Asimulationstudy	*Communicated*	-	I
207.	Ecofriendlyonepotfabricationofmethyl gallate@ZIF-L nanoscale hybrid aspH responsivedrugdeliverysystemforlung cancertherapy	*ProcessBiochemistry 84 (2019) 39–52*	2.95	I
208.	Polyherbal drug loaded starch nanoparticles as promising drug delivery system: Antimicrobial,antibiofilm and neuroprotectivestudies	Process Biochemistry Volume92,May 2020, Pages355-364	2.95	I

Name of the Department: Animal Health And Management				
Sl.No.	**Title of the Paper**	**Journal (Issue, Period,ISSN,page, etc.)**	**Impact factor**	**National.(N)/ International(I)**
1.	Chronic exposure of*Oreochromis niloticus*to sublethal copper concentrations: effects on growth, antioxidant enzymes, oxidative stress and non-specific immune responses	JournalofTrace ElementinMedicine andBiology55,170-179.	2.8	I
Name of the Department: Bioinformatics				
2.	Studies on the diversity ofmacrofungus in Kodaikanal region of Western Ghats, Tamil Nadu, India.	*Biodiversitas,*	Peer Reviewed	I
3.	Identification of potential inhibitorsfor Penicillin binding protein (PBP) from *Staphylococcus aureus*.	*Bioinformation*	Peer Reviewed	I
4.	Insecticide-resistance mechanismof *Plutella xylostella*(L.) associated with amino acid substitutions in acetylcholinesterase-1: A molecular docking and molecular dynamics investigation.	*ComputBiolChem.*	1.581	I
5.	Structural and functional analysis of Glutaminyl-tRNA synthetase (TtGlnRS) from*Thermus thermophilus*HB8 and its complexes.	*Int.JBio Macromol*	3.909	I
6.	Receptor based Pharmacophore modelingandVirtualScreeningAurora Kinase Inhibitors	*JMolGraphModel*	1.88	I
7.	Identification of Anti-filarial leads against Aspartate semialdehyde Dehydrogenase of Wolbachia endosymbiont of*Brugia malayi*: Combined Molecular Docking and Molecular Dynamics Approaches.	*JBiomolStructDyn.*	3.310	I

8.	Insights into product release dynamics through structural analyses of Thymidylate kinase	*IntJBiol Macromol*	3.909	I
9.	Identification of Pak1 inhibitors using water thermodynamic analysis	*JBiomol Struct Dyn*	3.310	I
10.	Exploration of N5-CAIR mutase Novel inhibitors from *Pyrococcus horikoshii*OT3 – A Computational Study	*JComputBiol.,*	1.191	I
11.	Design of novel PhMTNA inhibitors, targetingneurologicaldisorderthrough Homology Modeling, Molecular Docking&Dynamics approaches	*JReceptSignalTransduct*	1.775	I
12.	Diffraction precision index of macromolecular structures: A web based database.	*RJLBPCS*	0.896	I
13.	Biological synergy of greener gold nanoparticles by using*Coleus aromaticus* leaf extract.	*Mat,Sci&Eng,*	5.08	I
14.	Ultra selective label free electrochemical detection of cancer prognostic p53-antibody atDNA functionalized graphene.	*Sens Bio Res*	2.32	I
15.	Evaluation of Antibacterial& Anticancer Potential ofPolyaniline-Bimetal Nanocomposite Synthesized from Chemical Reduction Method.	*JClusterSci,*	2.125	I
16.	Conformational insights into the inhibitory mechanism of phyto-compounds against SRC kinase family members implicated in psoriasis	*JBiomolStructDyn,*	3.310	I
17.	ConformationalchangesinGlutaminyl-tRNA synthetases upon binding of the substratesandanalogsusingmolecular docking and molecular dynamics approaches	*JBiomolStruct Dyn*	3.310	I

18.	Daucosterol disturbs redox homeostasis and elicits oxidative-stress mediated apoptosis in A549 cells via targeting thioredoxin reductase by a p53 dependent mechanism	*Europeanjournalofpharmacology*	3.170	I
19.	AComputer-AidedDrugDesigningfor Pharmacological inhibition of ALK inhibitors induces apoptosisand differentiation in Non-small cell lung cancer	*Current topics in medicinalchemistry*	3.442	I
20.	Identification of High affinity small molecules targeting Gamma Secretase for the treatment of Alzheimer's Disease	*Current topics in medicinalchemistry*	3.442	I
21.	α-bisabolol β-D-fucopyranoside as a potential modulator of β-Amyloid peptide induced neurotoxicity: anin vitro & in silico study	*Bioorganic Chemistry*	3.926	I
22.	Functional Inhibition of VEGF and EGFR Suppressors in CancerTreatment	*Current topics in medicinalchemistry*	3.442	I
23.	Computational identification and antifungalbioassayrevealsphytosterols as potentialinhibitor of Alternaria arborescens	*Journal ofBiomolecular Structureand Dynamics*	3.310	I
24.	An*in silico*approach to identify high affinity small molecule targeting m-TOR inhibitors for the clinical treatment of Breast Cancer	*AsianPacificJournal ofCancerPrevention*	Peer Reviewed	I
25.	E-pharmacophore-based screening of mGluR5 negative allosteric modulators for central nervous system disorder	*Computationalbiology and chemistry*	1.581	I
26.	DesignofPD-L1inhibitorsforlung cancer	*Bioinformation*	Peer Reviewed	I
27.	Virtual Screening of IL-6 Inhibitors for IdiopathicArthritis	*Bioinformation*	Peer Reviewed	I
28.	FLT3 inhibitor design using molecular docking based virtual screening for acute myeloid leukemia	*Bioinformation*	Peer Reviewed	I

29.	Design of novel JAK3 Inhibitors towards Rheumatoid Arthritis using molecular docking analysis	*Bioinformation*	Peer Reviewed	I
30.	Hydroxychloroquine inhibits Zika virus NS2B-NS3 protease	*ACS Omega*	2.584	I
31.	Structure-based virtual screeningfor the identification of high affinity small molecule towards STAT3 for the clinical treatment of Osteosarcoma	*Current topics in medicinalchemistry*	3.442	I
32.	Exploring the biology and structural architecture of sortaseroleon Biofilm formation in gram positive pathogens	*Current topics in medicinalchemistry*	3.442	I
33.	Competitive Inhibition of Quercetin andApigeninattheATPBindingsiteof D-Alanine-D-Alanine Ligase of Helicobacterpylori–A Molecular Modeling Approach	*Current topics in medicinalchemistry*	3.442	I
34.	ComputeraidedDrugDesigningforthe identification of high affinity small molecule targeting CD20 for the clinical treatment of ChronicLymphocytic Leukemia (CLL)	*Current topics in medicinalchemistry*	3.442	I
35.	Computational and experimental binding mechanism of DNA-drug interactions.	*Current pharmaceutical design*	2.412	I
36.	An*in silico*Investigation of Potential EGFR Inhibitors for the clinical treatment of Colorectal Cancer	*Current topics in medicinalchemistry*	3.442	I
37.	Identification of novel pancreaticlipase inhibitors using structure based virtual screening, docking and simulations studies	*Endocrine,metabolic& immune disorders drug targets*	1.104	I
38.	An*in silico*pharmacological approach toward the discovery of potent inhibitors to combat drug resistance HIV-1 protease variants	*JournalofCellularBiochemistry*	3.448	I
39.	Discovery of Potent Inhibitors for the InhibitionofDengueEnvelopeProtein: An *In Silico* Approach	*Current topics in medicinalchemistry*	3.442	I

40.	Screening, isolation and characterization of biosurfactant-producing Bacillus tequilensis strain ANSKLAB04 from brackish river water	*InternationalJournal of Environmental Science and Technology*	2.031	I
41.	Dihydroactinidiolide, a natural product against Aβ25-35 induced toxicity in Neuro 2a cells: Synthesis, in silico and in vitro studies	*Bioorganic chemistry*	3.926	I
42.	Structure based identification and biological evaluation of novel and potent inhibitors of PCAF catalytic domain	*Internationaljournal of biological macromolecules*	4.784	I
43.	Screening, isolation and characterization of biosurfactant producing Bacillus subtilis strain ANSKLAB03	*Bioinformation*	Peer Reviewed	I
44.	*In Vitro*and *In Silico*Studies of Chitin and Chitosan Based Nanocarriers for Curcumin and Insulin Delivery	*Journal of Polymers andtheEnvironment*	2.765	I
45.	Atom-based and Pharmacophore-based3D–QSARStudiesonVitaminD Receptor (VDR)	*CombinatorialChemistryandHigh Throughput Screening*	1.205	I
46.	Investigation of drug interaction potentialsandbindingmodesondirect renin inhibitors. Acomputational modelingstudy	*LettersinDrug Design and Discovery*	0.924	I
47.	Inhibitory Potential of Hydroxychavicol on Ehrlich Ascites Carcinoma Model and*In Silico*Interaction on Cancer Targets.	*NaturalProduct Research*	1.928	I
48.	*In silico* insights on Tankyrase protein: a potential target for colorectal cancer	*Journal ofBiomolecular structureand dynamics*	3.100	I
49.	Current Scenario in Structure and Ligand Based Drug Design on Anti-Colon Cancer Drugs	*Current Pharmaceutical Design*	2.754	I

50.	Atheoreticalinsighttounderstandthe molecular mechanism of dual target ligandCTA-018inthechronickidney diseasepathogenesis	*Plos One*	2.766	I
51.	OvercomingNADPHproductinhibition improves D-sorbitol conversion to L-sorbose	*ScientificReports*	4.122	I
52.	Next-generation sequencingidentifiesa homozygous mutation in ACADVL associated with pediatric familial dilated cardiomyopathy	*EuropeanReviewfor Medical and Pharmacological Sciences*	2.387	I
53.	Optimization of culture medium for improved production of antimicrobial compoundsbyAmycolatopsissp.-AS9 isolated from vermicasts	*BiocatalysisandAgricultural Biotechnology*	Peer Reviewed	I
54.	Plant-Mediated Synthesis, Characterization and Bactericidal Potential of Emerging Silver Nanoparticles Using Stem Extract of Phyllanthus pinnatus: A Recent Advance in Phytonanotechnology	*JournalofClusterScience*	2.125	I
55.	Evaluation of Antibacterial and Anticancer Potential of Polyaniline-Bimetal Nanocomposites Synthesized from Chemical Reduction Method	*JournalofClusterScience*	2.125	I
56.	Green synthesis of anisotropic silver nanoparticles from the aqueous leaf extract of *Dodonaea viscosa*with their Antibacterial and Anticancer activities	*Process Biochemistry*	2.883	I
57.	Biological synergy of greener gold nanoparticles by using*Coleus aromaticus* leaf extract	*MaterialsScience& Engineering C*	4.959	I
58.	Phyto-mediated synthesis of silver nanoparticles using fucoidanisolated from*Spatoglossum asperum*and assessment of antibacterial activities,	*J.Photochem. Photobioloy*	4.067	I
59.	Antioxidant, Anti-microbial and Anti-cancer effectiveness of marinemacro algae *Ulva fasciata* Delile.	*Biomedicalresearch*	Peer Reviewed	I

60.	Identification of novel inhibitor targeting Fyn kinase using molecular docking analysis.	*Bioinformation.*	Peer Reviewed	I
61.	IdentifyingDualLeucineZipperKinase (DLK) inhibitors using E-	*JournalofReceptors andSignal*	2.22	I
	Pharmacophore screening and moleculardocking.	*transductions.*		
62.	Identification of potential inhibitorsfor Penicillin Binding Protein (PBP) from *Staphylococcus aureus.*	*Bioinformation*	Peer Reviewed	I
Name of the Department: Biotechnology				
63.	Global integrated omics expression analyses of abiotic stress signaling HSF transcriptionfactorgenesinOryza sativaL.:Aninsilicoapproach.	Genomics(Elsevier, The Netherlands)	3.327	I
64.	Anti-virulence potential of 2-Hydroxy-4-Methoxybenzaldehyde against Methicillin resistant Staphylococcus aureusanditsclinicalisolates.Applied MicrobiologyandBiotechnology	Applied Microbiology and Biotechnology	3.340	I
65.	Extracted chitosan disrupts quorum sensing mediated virulence factors in urinarytractinfectioncausing pathogens.	PathogensandDisease	2.337	I
66.	Virulencetargetedinhibitoryeffectof linalool against the exclusive uropathogen Proteus mirabilis.	Biofouling	2.786	I
67.	Ethnopharmacology, phytochemistry, andglobaldistributionofmangroves-acomprehensivereview.	MarineDrugs	4.379	I
68.	Bioactivepeptidesandproteinsas alternativeantiplateletdrugs.	MedicinalResearch Reviews	8.29	I
69.	Culture dependent and independent analysis and appraisal of early stage biofilm-forming bacterial community compositionintheSoutherncoastal seawaterofIndia.	ScienceoftheTotal Environment	4.610	I

70.	Deciphering the antibacterial mode of action of alpha-mangostin on Staphylococcus epidermidis RP62A through an integratedtranscriptomic and proteomic approach.	Frontiers in Microbiology,section Antimicrobials, Resistance and Chemotherapy [Frontiers Research Foundation, Switzerland]	4.019	I
71.	EffectsofatraditionalThaipolyherbal medicine 'Ya-Samarn-Phlae' as a	Microbial Pathogenesis	2.322	I
	natural anti-biofilm agent against Pseudomonasaeruginos			
72.	Exploiting the effect of geraniol-cefotaxime combination against the in vitroandinvivobiofilmformationof Staphylococcisp.	Food and Chemical Toxicology,[Elsevier, The Netherlands]	3.977	I
73.	Quorum quelling efficacy of marine cyclic dipeptide -cyclo(L-leucyl-Lprolyl)againsttheuropathogen Serratiamarcescens.	Food and Chemical Toxicology [Elsevier]	3.977	I
74.	Synergisticeffectofquinicacidderived fromSyzygiumcumini andundecanoic acid against Candida spp. biofilm and virulence.	Frontiers in Microbiology,section Antimicrobials, Resistance and Chemotherapy [Frontiers Research Foundation, Switzerland]	4.019	I
75.	Theroleofflavonoidsinautoimmune diseases:Therapeuticupdates.	Pharmacololgy &Therapeutics.	10.376	I
76.	Synergistic antibiofilm efficacy of undecanoic acid and auxins against quorum sensing mediated biofilm formationofluminescentVibrio harveyi.	Aquaculture	2.710	I
77.	Fukugiside, a biflavonoid from Garcinia travancorica inhibits biofilm formationofStreptococcuspyogenes anditsassociatedvirulencefactors.	Journal of Medical Microbiology	2.112	I
78.	Tanshinone IIA attenuates TNF-α induced PTX3 expression and monocyteadhesiontoendothelialcells throughthep38/NF-κBpathway.	FoodandChemical Toxicology	3.977	I

79.	Synergistic antibiofilm efficacy of undecanoic acid and auxins against quorum sensing mediated biofilm formationofluminescent*Vibrio harveyi*.	Aquaculture	2.710	I
80.	Global analysis ofthreonine metabolism genes unravel key players inricetoimprovetheabioticstress tolerance.	ScientificReports	4.259	I
81.	SPARmarkersassistedassessmentof genetic diversity and population structure in finger millet (Eleusinecoracana(L.)Gaertn)mini core collection	JournalofCrop Science and Biotechnology	-	I
82.	*In vitro* and *in vivo* efficacy of *Caenorhabditis elegans* recombinant antimicrobialpeptideagainstGram-negativebacteria	Biofouling journal (2019,0892-7014,In Press)	2.847	I
83.	Amygdalin-Functionalized Carbon Quantum Dots for Probing β Glucosidase Activity for Cancer Diagnosis and Therapeutics	ACS Biomaterials Science & Engineering 2019 [DOI: 10.1021/acsbiomaterials.9b00394]	4.432	I
84.	Chitosanylated MoO3-Ruthenium(II) Nanocomposite asBiocompatibleProbe for Bioimaging and Herbaceutical Detection	ACS Biomaterials Science & Engineering 2019 DOI: 10.1021/acsbiomaterials.9b00575	4.432	I
85.	Analysis of*Caenorhabditis elegans*phosphoproteome revealsthe involvement of a molecular chaperone, HSP-90proteinduring*Salmonella enterica*SerovarTyphiinfection	International Journal of Biological Macromolecules (2019, 01418130, 620–646)	4.784	I
86.	Global proteomic response of *Caenorhabditis elegans* againstPemKSa toxin	FrontiersinCellular and Infection Microbiology(2019, 22352988,172.)	3.518	I
87.	A proteomic analysis of *Caenorhabditis elegans*mitochondriaduringbacterial infection	Mitochondrion (2019, 1567-7249, 30138-7).	3.524	I
88.	Understanding the role of DAF-16 mediated pathway in *Caenorhabditis elegans*duringUV-Amediated photoaging process	Archives of Gerontologyand Geriatrics (2019, 01674943,27)	2.241	I

89.	MethyleneBlue-FortifiedMolybdenum Trioxide Nanoparticles:Harnessing Radical Scavenging Property	ACSApplied Materials & Interfaces(2018, 1944-8244,43429-43438)	8.097	I
90.	Probiotic mediated colonization resistance against*E. coli*infection in experimentally challenged *C. elegans*	Microbial Pathogenesis (2019, 0882-4010,39-47)	2.332	I
91.	Studies on the antifungal and serotoninreceptoragonistactivitiesof the secondary metabolitesfrom piezotolerant deep-sea fungus *Ascotricha*sp.Mycology:An InternationalJournalofFungalBiology	Mycology: An International Journal of Fungal Biology (2018, 92-108)	NIL	I
92.	Anti-virulence potential of 2-Hydroxy-4- methoxybenzaldehyde against Methicillinresistant*Staphylococcus aureus*anditsclinicalisolates.	Applied Microbiology and Biotechnology	3.340	I
93.	Virulencetargetedinhibitoryeffectof linalool against the exclusive uropathogen *Proteus mirabilis*.	Biofouling	2.786	I
94.	The control of microbially induced corrosion by methyl eugenol – adietaryphytochemicalwithquorum sensinginhibitorypotential.	Bioelectrochemistry	3.789	I
95.	Decipheringtheantibacterialmodeof action of alpha-mangostin on *Staphylococcus epidermidis*RP62A throughanintegratedtranscriptomic andproteomicapproach.	Frontiers in Microbiology	4.019	I
96.	*In vitro*and*in vivo*biofilm inhibitory efficacy of geraniol-cefotaxime combinationagainstStaphylococcus spp.	FoodandChemical Toxicology	3.977	I
97.	*In vivo*protective effect of geraniol on colonization of*Staphylococcus epidermidis*inratjugularveincatheter model.	Pathogens and Disease	2.337	I
98.	*In vitro*and*in vivo*effect of 2, 6-Di- tert-butyl-4-methylphenol as an antibiofilm agent against quorum sensingmediatedbiofilmformationof Vibriospp.	International Journal ofFoodMicrobiology	3.339	I

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103.	Rathinapriya P, Satish L,RameshkumarR,PandianS,RencySA, **Ramesh M**. Efficient plant regeneration from leaf base segmentsof foxtail millet (*Setaria italica*(L.) Beauv.)genotypesusingactivated charcoal andamino acids.	Physiologyand MolecularBiologyof Plants, {Springer, India}25(2):533–548(DOI: DOI.org/10.1007/s1 2298-018-0619-z)	1.151	N
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107.	Rameshkumar R, Pandian S, RathinapriyaP,TamilSelviC,SatishL,	Biocatalysisand Agricultural Biotechnology	RG Journal Impact:1.	I
	Gowrishankar S, Leung D.W.M.& Ramesh M. Genetic diversity and phylogenetic relationship of *Nilgirianthus ciliatus* populations using ISSR and RAPD markers: Implications for conservation of an endemicandvulnerablemedicinal plant	(Elsevier, Netherlands), 2019, 18-101072.	96	
108.	Krishnan SR, Pandian S, Banupriya R, Muthuramalingam P, Banu SJ, Manikandan A & Ramesh M. Augmenting competent *in vitro*organogenesisetiquettefromleafbase of country mallow, *Abutilon indicum* L. sweet:anethno-botanicallyvaluable medicinal plant.	Biocatalysisand Agricultural Biotechnology (Elsevier, Netherlands), 2019, 19:101125.	RG Journal Impact:1. 96	I
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110.	Amyloid-β induced neuropathological actions are suppressed by Padina gymnospora (Phaeophyceae) and its active constituent α-bisabolol in Neuro2a cells and transgenic CaenorhabditiselegansAlzheimer's model.	*NitricOxideAccepted[Elsevier]*	3.371	I
111.	α-bisabolol β-D-fucopyranoside as a potential modulator of β-Amyloid peptideinducedneurotoxicity:anin vitro&insilicostudy.	*BioorganicChemistry Volume88,July 2019, 102935*	3.929	I

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118.	Phytol ameliorated Benzo(a)pyrene induced lung carcinogenesis in Swiss albino mice via inhibition of oxidative stress and apoptosis.	*EnvironmentalToxicology.(Wiley online library)05 Volume34,Issue4 April 2019 Pages355-363*	2.649	I
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120.	Structure based identification and biological evaluation of novel and potent inhibitors of PCAF catalytic domain.	*InternationalJournal of Biological Macromolecules 120 (Part A), December 2018, 823-834 [Elsevier]*	3.671	I
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125.	Polydopamine layered poly(ether imide) ultrafiltration membranes tailored with silver nanoparticles designed for better permeability, selectivity and antifouling.	JournalofIndustrial and Engineering Chemistry Volume76,25 August2019,Pages 141-149[Elsevier, Amsterdam]	4.978	I
126.	Cellulose acetate ultrafiltration membranes customizedwithbio-inspired polydopamine coatingand*insitu*immobilizationofsilver nanoparticles.	NewJournalof Chemistry[Royal SocietyofChemistry, England]2019,43, 4216-4225(doi: 10.1039/C8NJ04511A)	3.201	I
127.	Antimycobacterial,enzymeinhibitionand molecular interactionstudiesof psoromic acidonMycobacteriumtuberculosis: Efficacyandsafetyinvestigations.	JClinMed.[MDPIAG, Switzerland]2018Aug 20;7(8).pii:E226.doi: 10.3390/jcm7080226.	5.583	I
DepartmentofBotany				
128.	Experimental and computational assessment of mycosynthesize CdO nanoparticles towards biomedical applications	Journal of Photochemistry & Photobiology, B: Biology2018,180, 166-174	4.0	I
DepartmentofComputerApplication				
129.	D.MohanapriyaandK.Mahesh A Novel Background Normalization Technique with TexturalPattern Analysis for Multiple Target Tracking in Video	BookChapter-Springer AdvancesinBigData andCloudComputing 373-379	-	-

130.	S.Vinitha,D.Mohanapriya,Dr.K.Mahesh "SurveyOnVideoObjectTracking"	International Journal of Advanced Research Methodologyin Engineering &Technology (IJARMET)ISSN 2456-6446,Volume	4.3	I
		3,Issue1,April 2019.		
Name of the Department: ComputerScience				
131.	Remote sensing Satellites andits application for agricultural development – Technical Aspect	International Journal ofComputerSciences and Engineering E-ISSN:2347-2693 (23-27)	1.03	I
132.	Perspective Analysis of Water Resource Management Satellites – Technical Aspect	IOSRJournalof Engineering (IOSRJEN) ISSN:2250-3021 (14-18)	2.09	I
Name of the Department: EnergyScience				
133.	Synthesis of TiO_2 Nanofiber for Photocatalytic and Antibacterial Applications	Journal of Materials Science:Materialsin Electronics, https://doi.org/10.1007/s10854-017-7487-0	2.324	I
134.	Photo-assisted advanced oxidation processesforRhodamineB degradation using ZnO–Ag nanocomposite materials	Journalof Environmental Chemical Engineering6 (2018)3610-3620	SJR– 0.876	I
135.	MicrowaveSynthesisofC-dopedTi_4O_7 for Photocatalytic Applications	**Advanced Science, Engineering and Medicine,** 10 (2018) 1085-1088	-	I

136.	Physicochemical Characterization of Nanostructured LithiumTitanate Prepared by Hydrothermal Method	MaterialsFocus7 (2018)662-667	Scopus Indexed	I
137.	Technologies for Biodiesel Production: A Review	Mat.Focus,7,147-155,2018.	Scopus Indexed	I
138.	Inorganic based hole transport materials for perovskite solar cells	J Mater Sci: Mater Electron.29(2018) 8847-8853.	2.195	I
139.	Dye Removal Efficiency of Perovskite Structured$CaTiO_3$ Nanospheres Prepared by Microwave Assisted Method	Materials Today: Proceedings, 2019, DOI:10.1016/j.matpr.2019.05.421.	SJR–0.299 Scopus Indexed	I
140.	Development of$TiO_2$for Low Cost Solar Cells	AIP Conference Proceedings,2019	Scopus Indexed	I
141.	Preparation of p-Type CuSCN Thin Film by Electrochemical Method for Inverted Planar Perovskite Solar Cells	AIP Conference Proceedings,2019	Scopus Indexed	I
142.	Preparation of$MnCo_2O_4$by Microwave Assisted Method for Supercapacitor Applications	AIP Conference Proceedings,2019	Scopus Indexed	I
143.	Synthesis and Characterization of $MnCO_3$for Supercapacitor Applications	MaterialsScience Forum2019	Scopus Indexed	I
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145.	Synthesis of TiO_2Nanoparticles Using Acinetobacter baumanii for Photocatalytic Application	MaterialsScience Forum, 2019	Scopus Indexed	I
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	Name of the Department: Mathematics			
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148.	Synthesizing graphene from waste mosquito repellent graphite rod by using electrochemical exfoliation for battery/supercapacitorapplications	*Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 40(10), 1209-1214.(2018)	**SCI: 0.894**	I
149.	Temperature of black holes and minimumwavelengthofradiowaves.	*InternationalJournal of Scientific research in Science,*	-	I
		Engineering and Technology,4(4), 1104-1107		
150.	A suggestion for a good anode material synthesized and characterized.	*Discovery*,54(271), 249-253	-	N
151.	Largeopenfilterbasesforfixedpoints.	*EngineeringMathematics Letters*, 2018(2), Article ID 2.	-	I
152.	Fixed points of sequences of mappings, Article ID 2018007.	*ResultsinFixedPoint Theory and Applications*	-	I
153.	New Design for Charging Section of Electrostatic PrecipitatorsUsing Thermocouple Principle for Air Pollution Control.	*International Journal of Environmental Pollution and Environmental Modelling*, 1(4), 116 - 120.	-	I
154.	Fixed Points for Mappings on Product Spaces.	*MathematicalAdvancesinPureand Applied Sciences*, 1(2), 77-80.	-	I
155.	EnergySource:PlasticWasteintoFuel.	*Indian Journal of Engineering*,16(1), 29-34	-	N
156.	SmartStorageSystemsforElectricVehicles – A Review.	*SmartScience*,7(1), 1-15		I
157.	Urysohn Lemmas in Topological Vector Spaces.	*arXiv:1902.08591v1[math.FA]*, 1-4.	-	I
158.	Hausdorffness of General Compactifications.	*AsiaPacificJournalof Mathematics*,6(7),1-5	-	I

159.	Application of Raman Spectroscopy to Pollution Control Using Wavenumbers.	*InternationalJournal of Environmental Pollution and Environmental Modelling*, 2(1), 44-47	-	I
160.	ReductionofQuasi-LatticestoLattices.	*InternationalJournal of Mathematics Trends and Technology*, 65(4),	-	I
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161.	Planck'sConstantandEquationfor MagneticFieldWaves.	*Natural andEngineeringSciences*, 4(2), 107-113	-	I
162.	Uniqueness of F-Algebra Topology for Commutative Semisimple Algebras.	*BulletinoftheIranianMathematicalSociety*, 1-7.	**SCI: 0.313**	I
163.	Statistical Convergence of Nets Through Directed Sets.	*UniversalJournalof Mathematics and Applications*, 2(2), 79-84	-	I
164.	Impatient customers in Queueing-Inventory System	International Journal of Research and Analytical Reviews(IJRAR), 6(2), 776-779, May 2019	-	I
165.	BasicReviewofDifferentStrategiesfor Sentiment Analysis in Online Social Networks.	International Journal ofRecentTechnology and Engineering (IJRTE), 8(1), May 2019	-	I
166.	A retrial queueing-inventorysystem with service option on arrival and Multiplevacations	Afrika Statistika, 14(1),1917-1936, 2019.(p-ISSN2316-090X,DOI: http://dx.doi.org /10.16929/as/2019.1917.142)	-	I

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168.	Cloud hosting services and resources utilizing efficient proxy server based speculative algorithm	Int.J. ofEngineering and Technology, 7(4), 2687-2691, 2018.(ISSN2227-524X),doi:	-	I
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169.	Novel Approach for Optimizing Governance, Risk managementand Compliance for Enterprise Information securityusingDEMATELandFoM	ProcediaComputer Science, 134, 365-370,2018.(ISSN 1877-0509)	-	I
170.	SomeResultsOnStrongEfficientOpen Domination	Int.J.ofPureand Applied Mathematics, 119(15),641-648, 2018.(ISSN1314–3395(online)	-	I
171.	Various Domination Parameters in Mycielskis graphs	Int.J.ofPureand Applied Mathematics, 119(15),203-211, 2018.(ISSN1314–3395(online)	-	I
172.	Chromatic Weak Domination on Cartesian Product. Int. J. of Pure and Applied Mathematics	Int.J.ofPureand Applied Mathematics, 119(15),69-73, 2018.(ISSN1314-3395(online))	-	I
173.	Complexity of Chromatic Strong Domination in Bipartite Graph	Int.J.ofPureand Applied Mathematics, 119(15),57-60, 2018.(ISSN1314-3395(online)	-	I

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175.	Multiset Filters Of Residuated Lattices And Its Application In Medical Diagnosis	*Journal of Intelligent andFuzzySystem-36,* 2297–2305, *DOI 10.3233/JIFS-169940,(2019)*	1.637	I
176.	Morphisms on LatticeOrderedInterval-Valued Hesitant Fuzzy Soft Sets	JournalofIntelligent and Fuzzy System-36 (2019) 2307–2310*DOI10. 3233/JIFS-169941, (2019)*	1.637	I
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179.	Controllability analysis for nonlinear neutral type fractional differential systems with state delay	International Journal of Advances in Electronicsand ComputerScience, Volume-5,Issue-11(Nov, 2018)	-	I
180.	Novel results on passivityand exponential passivity for multiple discrete delayed neutral-type neural networks with leakage and distributed timedelays	ChaosSolitonsand Fractals (SCI, Elsevier), Volume115,October 2018,Pages268-282	3.064	I
181.	Further synchronization in finite time analysis for time-varying delayed fractional order memristive competitive neural networks with leakagedelay	Neurocomputing (SCI, Elsevier), Volume317,23 November2018, Pages110-126	4.072	I

182.	Fractional delay segments method on time-delayed recurrent neuralnetworks with impulsiveandstochastic effects: An exponential stability approach	Neurocomputing (SCI, Elsevier), Volume323,5 January2019, Pages 277-298	4.072	I
183.	Further mean-squareasymptotic stability of impulsive discrete-time stochastic BAM neural networks with Markovian jumping and multiple time-varyingdelays	Journalofthe Franklin Institute (SCIE, Elsevier), Volume356,Issue1, January2019, Pages 561-591.	3.653	I
184.	Nonlinear integro-differential	Mathematicsand	1.409	I
	equations with small unknown parameters: A controllability analysis problem	Computersin Simulation (SCI, Elsevier), Volume 155,January2019, Pages15-26		
185.	Dissipative analysis for aircraft flight control systems with randomly occurringuncertaintiesvianon-fragile sampled-datacontrol	Mathematics and Computersin Simulation (SCI, Elsevier), Volume 155,January2019, Pages217-226	1.409	I
186.	Impulsive effects oncompetitiveneural networks with mixed delays: Existence and exponential stability analysis	Mathematics and Computersin Simulation (SCI, Elsevier), Volume 155,January2019, Pages290-302	1.409	I
187.	Traffic assignment: Methods and simulations for an alternative formulation of the fixed demand problem	Mathematics and Computersin Simulation (SCI, Elsevier), Volume 155,January2019, Pages360-373	1.409	I
188.	LMI-based results on exponential stability of BAM-type neural networks with leakage and both time-varying delays: A non-fragile state estimation approach	AppliedMathematics and Computation (SCI, Elsevier), Volume326,1June 2018, Pages 33-55	3.092	I

189.	Stability and synchronization criteria for fractional order competitive neural networks with time delays: An asymptotic expansion of Mittag Leffler function	Journal of theFranklin Institute (SCIE, Elsevier), Volume356,Issue 4,March2019,Pages 2212-2239	3.653	I
190.	Mittag-Leffler state estimatordesign and synchronization analysis for fractional-orderBAMneuralnetworks with time delays	International Journal of Adaptive Control and Signal Processing,(SCI, Wiley) DOI: 10.1002/acs.2983	2.239	I
191.	Global Robust Synchronization of FractionalOrderComplexValued NeuralNetworkswithMixedTime Varying Delays and Impulses	International Journal of Control, Automationand Systems (SCI, Springer),17(2) (2019)509-520	2.181	I
192.	Passivity Analysis for Uncertain BAM Neural Networks with Leakage, Discrete and Distributed Delays Using Novel Summation Inequality	International Journal of Control, Automation and Systems(SCI, Springer),17(8) (2019)2114-2124	2.181	I
193.	Robust generalized Mittag-Leffler synchronization of fractional order neural networks with discontinuous activation and impulses	Neural Networks (SCI, Elsevier), Volume 103, July 2018,Pages128-141	5.785	I
194.	Impulsive discrete-time GRNswith probabilistic time delays, distributed and leakage delays: an asymptotic stability issue	*IMA Journal of MathematicalControl and Information (SCI, Oxford University Press)*, Volume 36, Issue1,March2019, Pages79–100	1.217	I
195.	A Novel Controllability Analysis of Impulsive Fractional Linear Time InvariantSystemswithStateDelayand Distributed Delays in Control	Discontinuity, Nonlinearity,and Complexity (Scopus, L& H Scientific Publishing) Volume 7, Issue 3 2018, Pages275-290.	-	I

196.	Discrete-time stochasticimpulsive BAM neural networks with leakageand mixed time delays: An exponential stability problem	Journal of theFranklin Institute (SCIE, Elsevier), Volume 355, Issue10,July2018,Pages 4404-4435	3.653	I
197.	Design of power Optimizationof Reversible carry select Adder using MPFA.	InternationalJournal of Emerging Technology and Advanced Engineering (Volume 8, No.10, October2018,ISSN: 2250-2459,pp.58-63.	-	I
198.	PolynomialsonSP-Ring	International Journal of	-	I
		Computer Science		
199.	Analysis of Non Markoviangroup arrival queue with balking andbernoulli Schedule server breaks inCall centers	International Journal of Pure and Applied Mathematics	-	I
200.	NeutrosophicProjectEvaluationand Review Techniques	Neutrosophic Sets andSystems,DOI: **10.5281/zenodo.2593903**	-	I
201.	A Neutrosophic TechniqueBased EfficientRoutingProtocolForMANET Based On Its Energy And Distance	Neutrosophic Sets andSystems,DOI: **10.5281/zenodo.2593923**.	-	I
202.	Singlevalued(2N+1)sidedpolygonal neutrosophic numbers and single valued (2N) sided polygonal neutrosophicnumbers	NeutrosophicSets andSystems **DOI:10.5281/zenodo.2631502**	-	I
203.	Neutrosophic Intelligent Energy EfficientRoutingForWirelessAd-Hoc Network Based on Multicriteria Decision Making,	NeutrosophicSets and Systems **DOI:10.5281/zenodo. 2593923**	-	I
Name of the Department:Microbiology				

204.	Environmental friendly synthesis of TiO_2-ZnO nanocomposite catalyst and Silver nanomaterials for the enhanced the production of biodiesel from*Ulva lactuca*seaweed and potential antimicrobial properties against the microbial pathogens	Journal of Photochemistry and Photobiology B: Biology.Apr;2019. 193:118-130.ISSN: 1011-1344	4.067	I
205.	Comparative study on *Cronobactersakazakii* and*Pseudomonas otitidis* isolatedfromseptictankwastewater in microbial fuel cell for bioelectricity generation	Fuel248(2019)47–55.ISSN:0016-2361	5.128	I
206.	Comparison of integrated sustainable biodieselandantibacterialnanosilver production by microalgal and yeast isolates	Journal of Photochemistry and Photobiology B: Biology. (September 2018),186:232-242. ISSN:1011-1344.	4.067	I
207.	*Acinetobacter junii* AH4-A Potential StrainforBio-hydrogenProduction from Dairy Industry Anaerobic Sludge	JournalofPureand Applied Microbiology,March, 2019: 12(4), 1761-1769.ISSN:0973-7510.	-	I
208.	Optimization (Substrate and pH) and Anaerobic Fermentative Hydrogen Production by Various Industrial Wastes Isolates Utilizing Biscuit Industry Waste as Substrate	JournalofPureand Applied Microbiology, December, 2018:12(3),1587-1596.ISSN:0973-7510.	-	I
209.	Exploring multi potential uses of marine bacteria; anintegratedapproach for PHB production, PAHs and polyethylene biodegradation.	Journal of Photochemistry and Photobiology B: Biology, Vol.185, (August2018),Pages 55-65,ISSN:1011-1344.	4.067	I

210.	Size dependent magneticand antibacterial properties of solvothermally synthesized cuprous oxide (Cu_2O) nanocubes	Journal of Materials Science:Materialsin Electronics,Springer Publication. Aug 2018. 29:17622–17629.ISSN:0957-4522.	2.195	I
211.	Applications of microalgal paste and powder as food and feed: An update using text mining tool	Beni-Suef University Journal of Basic and Applied Sciences, Volume 7, Issue 4, December2018, Pages740-747. ISSN2314-8535	-	I
212.	Studies on the diversity ofmacrofungus in Kodaikanal region of Western Ghats, Tamil Nadu, India	Biodiversitas.19(6): Novemebr,2018: 2283-2293.ISSN:	-	I
		1412-033X.		
NameoftheDepartment:Nanoscience&Technology				
213.	Fabricationofroomtemperatureliquid petroleum gas sensor based on PAni–CNT–V2O5 hybrid nanocomposite	AppliedNanoscience https://doi.org/10.1007/s13204-019-00967-w	3.198	I
214.	CuO–ZnO p–n junctionenhanced oxygen sensing property of polypyrrole nanocomposite at room temperature	Journal of Materials Science:Materialsin Electronics 30 (2019)9989–9998	2.195	I
215.	Biodiesel production from Ulva linza, Ulva tubulosa, Ulva fasciata, Ulva rigida, Ulva reticulate by using Mn2ZnO4 heterogenous nanocatalysts	Fuel255(2019) 115744 https://doi.org/10.1016/j.fuel.2019.115744	5.128	I

216.	Anticancer, antimicrobial and photocatalytic activities of green synthesized magnesium oxide nanoparticles (MgONPs)usingaqueous extract of *Sargassum wightii*	Journal of Photochemistry and Photobiology B: Biology Vol(190), Jan2019, 86-97 https://doi.org/10.1016/j.jphotobiol.2018.11.014	4.0	I
217.	Ecofriendly one pot fabricationof methyl gallate@ ZIF-L nanoscale hybrid as pH responsive drug delivery system for lung cancer therapy	ProcessBiochemistry Vol(84),2019,39-52 https://doi.org/10.1016/j.procbio.2019.06.015	2.8	I
218.	Anticancer potential of zinc oxide nanoparticles against cervical carcinoma cells synthesized via biogenic route using aqueous extract of Gracilaria edulis	Materials Science andEngineering:C Vol (103),2019, 109840 https://doi.org/10.1016/j.msec.2019.109840	4.9	I
219.	Biogenic synthesis of silver palladium bimetallic nanoparticles from fruit	JournalofDrug DeliveryScienceand		
	extractof*Terminaliachebula–In vitro*evaluation of anticancerand antimicrobial activity	Technology Vol(51),2019,139-151 https://doi.org/10.1016/j.jddst.2019.02.024	2.6	I
220.	A Review on Role of Microbiome in Obesity and Antiobesity Properties of Probiotic Supplements	BioMedResearch International. https://doi.org/10.1155/2019/3291367	2.5	I
Name of the Department: Industrial Chemistry				
221.	Solvothermal synthesis of mesoporous CuS/$Cu(OH)_2$nano composite electrodematerialsforsupercapacitor applications,	Journal of Materials Science:Materialsin Electronics 29 (2018)16853-16863	2.324	I

222.	Electrodeposited MnS on Graphene wrapped Ni – Foam for Enhanced Supercapacitor Applications	ElectrochimicaActa 289 (2018) 437-447	5.300	I
223.	Structure and Electrochemical PerformanceofSamariumSubstituted $LiNi_{1/3}Mn_{1/3}Co_{1/3-x}Sm_xO_2$ Cathode Materials for Rechargeable Lithium-ionBatteries**.**	Journal of Materials Science:Materialsin Electronics 29(2018)20703-20709	2.590	I
224.	Yttrium- substituted $LiNi_{1/3}Mn_{1/3}Co_{1/3}O_2$CathodeMaterial with Enhanced Cycling Stability for RechargeableLithium-ionBatteries.	Ionics 25(2019)991-997	2.048	I
225.	Preparation and characterizations of PMMA-PVDF based polymer composite electrolytematerialsfordyesensitized solarcell	CurrentAppliedPhysics,18(2018)619-625	2.050	I
226.	Copper based metal- organic coordination polymer for high-performance supercapacitors.	*MaterialsLetters* 247(2019)48-51	2.687	I
227.	Evaluation of UPF and antibacterial activity of cotton fabric coated with colloidal seaweed extract functionalized silver nanoparticles	Journal of Photochemistry & Photobiology, B: Biology, 183 (2018) 75–87	3.165	I
228.	Immobilization of ZnO on Chitosan-Neem seed composite for enhanced thermal and antibacterial activity.	AdvancedPowder Technology, 29 (2018)1445–1454.	2.943	I
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232.	OrnamentalMorphologyofIonicliquid Functionalized Ternary Doped N, P,F and N, B, F-Reduced Graphene oxide and Their Prevention Activities of Bacterial Biofilm-Associated with Orthopedic	Materials Science & Engineering C, Vol. 98, 1122-1132.	5.08	I
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235.	Andrographis paniculata LeavesIonic Liquid Mediated Morphologically Improved Lanthanum Oxide Nanoparticles by Extract and Its Biomedical Applications	Rareearth	2.84	I
236.	In-vitro dissolution rate and molecular docking studies of cabergoline drug with β-cyclodextrin	JournalofMolecular Structure, 1160 (2018) 1-8.	2.011	I

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239.	FRET based solid state luminescent sensorforglyphosateusingcalixarene graftedruthenium(II)bipyridinedoped silicananoparticle	ChemPhysChem, 19(20)(2018)2768-2775.	3.075	I
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241.	Encapsulation of triclosan within 2-hydroxypropyl–β–cyclodextrin cavity anditsapplicationinthe chemisorptionofrhodamineBdye	JournalofMolecular Liquids 282(2019)235-243	4.561	I
242.	In-vitro dissolution and microbial inhibitionstudiesonanticancerdrug	MaterialsScience andEngineering:C,	4.959	I
	etoposidewithβ-cyclodextrin	102(2019)96-105		
243.	In situ assembly of sulfur-doped carbonquantumdotssurroundediron (III) oxide nanocomposite; a novel electrocatalyst for highly sensitive detection of antipsychotic drug olanzapine	JournalofMolecular Liquids, 268, 2018, 471-480.	4.561	I
244.	In-situ nickel (II) complexes of 3-(dimethylamino)-1-propylamine based Schiff base ligands: Structural, electrochemical, biomolecular interactionandantimicrobialproperties	Inorganica Chimica Acta,482,2018,791-799	2.433	I

245.	Copper (II) complexes ofbidentate mixed ligands as artificial nucleases: Synthesis, crystal structure, characterization and evaluation of biologicalproperties	Polyhedron,156, 2018,138-149	2.284	I
246.	Sonochemical driven simple preparation of nitrogen-doped carbon quantum dots/SnO2 nanocomposite: A novel electrocatalyst for sensitive voltammetric determination of riboflavin	Sensors and Actuators B: Chemical,281,2019, 602–612	6.393	I
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262.	Transition Metal Complexes Based Aptamers as Optical Diagnostic Tools for Disease Proteins	Coord.Chem.Rev., 2019, 380,519-549	13.476	I
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	frumentacea grains extract as a reducingagent			

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385.	Panwar U, Singh SK.Computationaldrugdiscovery: An avenue for targeting the protein- protein interaction between HIV-1 integrase and LEDGF/p75. J ProtProteom. 2017, 8(4) (IF: 1.0).
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RESEARCH PROJECT DURING DST - PURSE PHASE- II SCHEME (2017-*)

S.No	Principal Investigator	Project Title	Period	Funding Agency	Amount Rs.(in lakhs)
DEPARTMENT OF NANOSCIENCE AND TECHNOLOGY					
1.	Dr.P.Shakkthivel	Novel conducting C layer embedded LMO hollow nano- spheres assembly for hybrid- electric vehicle application.	2016-2019	DST-SERB	23.26
2.	Dr.G.Ramalingam	Fabrication of one dimensional (1-D) nanomaterials with Quantum Dots (QDs) forsolar cell application	2017-2020	DST-SERB	25.00
DEPARTMENT OF PHYSICS					
3	Dr.G.Ravi	Graphene oxidedecorated metal oxide thin films on flexible substrates for high performance electrochromic andsupercapacitor applications	2018-2021	DST-SERB	35.53
4	Dr.K.Sankaranarayananan	Bulk Unidirectional Growth of Organo Metallic Trihalides (MAPbX3,X=Br And CI) Perovskitesingle crystals for high energy radiation Detectors	2020-*	DST_SERB-CRG	**42.42**
5	Dr.G.Ravi	Graphene oxide decorated metal oxide thin films on filixible substrates for high performanande electrochromic and supercapastor applications	2018-*	DST-SERB	4.5
6	Dr.M.Sivakumar	APursuitofProspectivelayer olivine type electrode materialsforsodium batteries	2017-2020	DST-SERB	35.25
7	Dr.M.Rameshprabhu	Sythesis andCharcterization of SPEEK-Perovskite based protonconductingpolymer electrolyteforHT-PEMFC(Fe_3O_4)nanopowders	2018-2021	DST-SERB	26.68
8	Dr.S. Sudhahar	Development of SnO2/Co-Ni double hydroxide (core/shell) nanostructured towards enhanced performance in supercapacitor application	2024-*	DST SERB	36.33
DEPARTMENT OF ANIMAL HEALTH AND MANAGEMENT					

9	Dr.P.Kumar	Molecular insights of platinum conjugated doxorubicin theranostic system targeting apoptosis-mediatedgenomicinstability inbreastcancercellline(s)	2017-2020	DST-SERB	24.00
10	Dr.P.Kumar	"Development of surface-charge impregnated plasmonic gold nanoprobes for enhanced photodynamic therapy and mitochondrial dysfunction in human breast cancer cell line(s)"	2018-2021	DST-SERB	38.73
11	Dr.B.Malaikozhundan	"Development of Nanopesticide using Bacillus thuringiensis and botanicals for the control of Pulse beetle, Callosobruchus maculatus"	2015-2018	DST-SERB	38.80
12	Dr.B.Vaseeharan	"Purification, Characterization, functional analysis and Structural Elucidation of Pattern Recognition Molecule - B - 1, 3 - Glucan - Binding Protein and Antimicrobial Peptides from Crustaceans"	2015-2018	DBT	4.86
DEPARTMENT OF MICROBIOLOGY					
13	Dr.A.Arun	Biodegradableplastic(Poly-β-Hydroxybutyrate) production by marine microorganisms isolated fromTamilnaducoastalarea	2015-2018	UGC	14.8
14	Dr.T.Kavitha	Evaluation ofTomato Associated Rhizobacteria for Biocontrol of Wilt Pathogen *Fusarium oxysisporum*	2017-2020	DST/SERB ECRA	14.29
15	Dr.A.Arun	Cost Effective modified Microbial Bioplastics (Polyhydroxyl Butyrate(PHB) and Ploy Lactic Acid(PLA) as on Alternative for he Petroleum Derived Plastics	2019-2021	SPARC	56.57
16	Dr.A.Arun	DST - Bioenergy & H2 MAP	2022-*	DST - TMD-IC-MAP	102.91
DEPARTMENT OF ENERGY SCIENCE					
17	Dr.S.Karuppusamy	Development of Low Cost Hole TransportingMaterials for Highly Efficient Perovskite solar cells	2016-2019	DAE-BRNS	32.90
18	Dr.S.Karuppuchamy	FabricationofDye-Sensitized solarcells	2017-2020	DST-PURSE	7.50

19	Dr.S.Karuppuchamy	Fabrication of LowCost Inverted Planar Perovskite SolarCell	2018-2021	DST-SERI	78.58
20	Dr. S. Karuppuchamy	"Fabrication of low cost inverted planar perovskite solar cell"	2018-2021	DST-SERI	30.26
21	Dr.S.Karuppuchamy	Sustainable Energy Technologies	2017-2020	MHRD-RUSA, NewDelhi	150.00
22	Saravanakumar	YSS	2016-	DST-SERB	33.20
DEPARTMENT OF BIOTECHNOLOGY					
23	Prof.S.Karutha Pandian	Studies on microbial diversity and ecology inthe vicinity of a coastal nuclear powerplantinrelationto waterqualityandnutrients	2015-2018	Atomic Energy Regulatory Board(AERB)	36.34
24	Prof.S.Karutha Pandian	Programmesupporton BiotechnologyApproaches for Conservation and Sustainable Utilization of Plant Wealth of Western Ghats. Component B: Bioprospecting andBasic Biology.Project	2015-2018	DBT (Network)	24.80
25	Prof.S.Karutha Pandian	PartI:Naturalactives& Part-II:*Invivo*modelsfor health and hygiene Application	2016-2019	ITC	83.60
26	Prof.S.Karutha Pandian	Assessment & Monitoring of Biofouling Diversity of Cooling water system of KKNAP & its control	2019-2022	DAE-BRNS	35.63
27	Prof.K.Balamurugan	Impact of *Cronobactersakazakii*infection on the neuroimmunity using multiple model systems,	2017-2020	DBT	70.24
28	Prof.K.Balamurugan	*C.elegans*andRat*C.elegans*: An*in vivo*model for dermal inflammation and healing	2016-2019	ITC-AU Collaborative Project	41.17
29	Prof.K.Balamurugan	Screening of Deep Ocean Microbial Matabolites for their anti-infective prosperties using an in vivo model system, *caenorhabditis elegans.*	2023-*	Deep Ocean Mission	48.74
30	Prof.K.Balamurugan	Identification of Bio-Activity and Evaluation of Neem Leaf Markers.	2024-*	ITC IV	-

31	Prof.A.VeeraRavi	Anti-infective and antipathogenic efficacy of resveratrol against quorum sensing mediated virulence and biofilm formation of aquatic pathogens: A promising alternative strategytoantibioticusein aquaculture	2017-2020	Evolva Biotech Private Limited, Chennai	30.00
32	Dr.PandimaDevi	Drug discovery from medicinal plants: Anti-cancer effect ofGrewiatiliaefoliaVahl (Tiliaceae)leafextracts	2015-2018	DBT	24.925
33	Dr.K.Pandima Devi	Evaluating the neuro protective effect of Hespiridia methyl chalcone against alzheimer's disease through in silico, in vitro and in vivo approach	2022-*	ICMR	15.87
34	Dr.K.Pandima Devi	Unravelling the neuro protective mechanism of vitexin and thymol synergistic combination against tau hyper phosphorylation and neuroinflamation: A therapeutic approach for the treatment of Alzheimers disease	2023-*	DST SERB	32.90
35	Dr.S.Gowrishankar	Identification of potential drug target(s) Streptococcus mutans an essential step for developing improved dental care products	2021-*	ICMR	21.09
36	Dr.S.Gowrishankar	Refocusing Nature's destroyer of bacteria - Phages and their lysins as promissing therapy aginst infections associated with ESKAPE pathogens	2020-2023	DST - SERB	38.94
DEPARTMENT OF BIOINFORMATICS					
37	Prof.J.Jeyakanthan	Design, Synthesis and in vitro anticancer activity of novel and potent p21 activated kinase	2018 -2021	DAE-BRNS	30.33
38	Prof.J.Jeyakanthan	Development of Web Based Search Engines forthe Analyses of Protein interactions with Nucleotides,FattyAcidsand Buffers	2015-2018	DBT,New Delhi	13.81
39	Prof.J.Jeyakanthan	Structural and functional insights of potential anti- malarial drug targets of G6PD and 6PGD from plasmodium falciparum(3D7)”	2020-2024	DST-Indo – Taiwan	32.43

40	Prof. J.Jeyakanthan	Structural insights mechanism of SIRT4 protein from Homo sapiens to identify potential inhibitors for the treatment of Type II diabetes	2017-2020	ICMR	33.34
41	Dr.M.Karthikeyan	Pharmacogenomics Studyof Anti Hypertensive Treatment in South Indian Population	2017-2020	ICMR,New Delhi	21.25
42	Prof. J. Jeyakanthan	Identification of Potential Anti-Filiarial drugtargeted enzymes Wbm0441, Wbm0042 from Wolbachia endosymbiont *Brugia malayi*	2016-2019	DST,New Delhi	69.38
43	Dr. M. Karthikeyan	Computational identification and in vitro validation of small molecule inhibitors for tankyrase protein to inhibit the over expressionofWnt/ß-catenin signalling mechanism using HCA-7, HCT116andMDST8/HCA-46 coloncancercelllines:Anew drug target for Colorectal Cancer	2016 -2019	DBT,New Delhi	30.48
44	Prof. Sanjeev Kumar Singh	*Insilico*screening,theoretical calculation and invitro studiesfordevelopmentof potentialHIV1-PRinhibitors	2016-2019	DBT,New Delhi	19.51
45	Dr.M.Karthikeyan	Molecular insight and in vitro validation of novel lead molecules against SH 3 BP2 and kit protein	2023-*	ICMR	24.48
46	Dr.P.Boomi	Mechanistic investigation involved in the Development of Hybrid self Assembly prodrug targeting breast cancer	2023-*	DST-SERB-SURE	27.90
DEPARTMENT OF OCEANOGRAPHY AND COASTAL AREA STUDIES					
47	Dr.C.Stella	Biodiversity assesment of Macrobenthic invertebrates in Gulf of manner Biosphere Reserve Area		GOMBRT	86.40

DEPARTMENT OF BIOELECTRONICS AND BIOSENSORS					
48	Dr.C.Sekar	Inter University Accelerator Centre - Microstructurally engineered nanocrystdlline Calcium Phosphates for biosensing applications	2021-*	IUAC	32.90
DEPARTMENT OF INDUSTRIAL CHEMISTRY					
49	Dr.S.Viswanathan	Smart lab on a chip biosensor integrated with protein imprinted polymer electrodes for rapid detection of HIV infection.	2019-*	ICMR	23.50
50	Dr.S.Umadevi	Investigation on Nanocellulose Incorporated Liquid Crystal Elastomers (LCE) as Soft Accuators	2022-*	DST - SERB	43.05

RESEARCH SCHEME DURING DST - PURSE PHASE- II SCHEME (2017-*)

S.No	DEPARTMENT	Research Scheme	Period	Amount in Lakhs
1.	Bioinformatics	DBT – National Network Project (NNP)	2023-2027	144.56
2.		DBT-Bioinformatics and Computational Biology Centre (BIC)	2022-2026	183.80
3.	Bioinformatics	DST – Fund for Improvement of Science & Technology Infrastructure (FIST)	2018-2023	40.12

4.	Mathematics		2018-2023	52.25
5.	Industrial Chemistry		2020-2025	84.50
6.	Physics		2015-2020	121.00
7.	Biotechnology		2015-2020	144.00
8.	Oceanography		2017-2022	44.00
9.	Maths	UGC SAP	2019-2024	62.00
10.	Oceanography		2016-2021	87.97

PATENT PUBLISHED DURING DST - PURSE PHASE- II SCHEME (2017-*)

S.No.	Patent App. No.	Inventor's Name	Title of The Patent	Patent Published On
1	381269	Sivasankar C,Pandian SK And Balamurugan K	An Anti-Acne Synergistic Composition And Process Thereof	03.11.2021
2	201741011854	Muthamil S, Sivasankar C And Pandian SK	A Formulation Comprising Phytochemicals And Applications Thereof	05.10.2018
3	455506	Swetha TK, Sivasankar C And Pandian SK	A Composition Comprising Phytochemicals And Preparation Process Thereof	05.10.2018
4	410864	Swetha TK, Pandian SK, Sivasankar C, Balamurugan K,Veera Ravi A, Bhaskar JP, Venkateswaran K,Deepa M, Das SS	An Antibacterial Composition And Implementations Thereof	03.11.2022
5	411150	Swetha TK, Pandian SK, Sivasankar C, Balamurugan K,Veera Ravi A, Bhaskar JP, Venkateswaran K,Deepa M, Das SS	A Composition Comprising Phytochemicals And Applications Thereof	10.11.2022
6	457480	Ravi AV, Santhakumari S, Durgadevi R,Alexpandi R And Pandian SK	Phytochemical Formulations Against Early Mortality Syndrome (EMS)	27.09.2019
7	345407	Ravi AV, Santhakumari S, Durgadevi R,Alexpandi R And Pandian SK	Phytochemical Formulations Against Early Mortality Syndrome (EMS)	28.08.2020

8	201941007130	Prasath GK And Pandian SK	Composition Exhibiting Antibiofilm And Antihyphal Activity	28.08.2020
9	202141026689	R. Jothi, S. GOWRISHANKAR, Krishnan Ganesh Prasath, S. Karutha Pandian	Anti - Biofilm Compostion And Method Of Preparation Thereof	03.02.2023
10	337898	Prasanth MI, Balamurugan K, Pandian SK, Gayathri, Bhaskar JP	Personal care composition for anti-aging	03.06.2020
11	202041002710	A. Valliammai, S. Karutha Pandian	Anti-Biofilm Composition Of Phytochemicals	23.07.2021
12	436067	K. Ganesh Prasath, S. Karutha Pandian	Phytochemicals Exhibiting Antibiofilm Activity	23.07.2021
13	202041017519	A. Valliammai, S. Karutha Pandian	Anti-Biofilm Composition Of Phytochemicals And Implementations Thereof	29.10.2021
14	202041029479	A. Valliammai, S. Karutha Pandian	Anti-Biofilm Formulation And Method Of Its Preparation And Application Thereof	14.01.2022
15	387232	Sivasankar C, Pandian SK, Gayathri S and Bhaskar JP	A Composition Comprising Of Embelin, And At Least One Anti-Fungal Agent And Uses Thereof	24.01.2022

16	202041045963	A. Priya, S. Karutha Pandian	Antibiofilm And Antihyphal Composition Comprising Phytochemicals	22.04.2022
17	472781	A. Selvaraj, S. Karutha Pandian	Anti-Biofilm Composition And Implementation s Thereof	13.05.2022
18	453930	A. Priya, S. Karutha Pandian	Phytochemical Composition Exhibiting Anti-Biofilm And Anti-Hyphal Activity	24.06.2022
19	464747	T. Kasthuri, T.K. Swetha, S. Karutha Pandian	Phytochemical-Based Cleaning Composition And Applications Thereof	30.09.2022
20	202141019569	A. Priya, S. Karutha Pandian	Phytochemical-Oral Composition, Method Of Preparing The Same And Applications Thereof	02.12.2022
21	202141023944	A. Priya, N. Malligarjunan S. Muthamil, S. Karutha Pandian	Synergistic Antibiofilm Combination Of Phytochemicals And Implementation Thereof	16.12.2022
22	202141052384	K. Pandima Devi	Composition Exhibiting Anti-Cancer Activity, And Implementation s Thereof	19.05.2023

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27	447802	R. Yuvakkumar, G. Ravi, V. Thirumal, SP. Keerthana	A Method Of Preparing 3D SI@MXENE/GRAPHENE Crumbled Spherical Nano Composites	04.03.2022
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S.No.	Patent App. No.	Inventor's Name	Title of The Patent	Patent Filed/Granted on
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