



AUXILIUM COLLEGE (Autonomous)
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Gandhi Nagar, Vellore – 6.

List of Papers in Scopus / Web of Science with h-index

NAAC CYCLE IV SSR 2023

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Name of the Author	Title of the Paper	Year of Publication	Title of the Journal	Citation Index
Vasumathi A.; Mary T.S.; Mamilla R.; Thangaiah I.S.S.	An impact of demographic profile of undergraduate students on the entrepreneurial knowledge and intention in Tamil Nadu, India	2023	International Journal of Knowledge and Learning	0
Amaresan R.; Gopal U.	Cell surface GRP78: a potential mechanism of therapeutic resistant tumors	2023	Cancer Cell International	4
Sivaraj R.D.; Gnanavel K.; Kanchipuram Chandrasekar D.S.; Rajappan M.J.; Panneer selvam R.; Gunasekaran R.	Crystal growth, structural, optical, laser damage threshold and nonlinear optical properties of Piperazinium citrate single crystal	2023	Journal of Optics (India)	1
Sabareesh V.; Gowri V.S.	A Bird's-Eye View of Fungal Peptides	2023	Fungi and Fungal Products in Human Welfare and Biotechnology	0
Switha D.; Basha S.K.; Kumari V.S.	Fabrication of conductive hybrid scaffold based on polyaniline/polyvinyl alcohol-	2023	Polymer Bulletin	1

	chitosan nanoparticles for skin tissue engineering application			
Maheo A.R.; Vithiya B S.M.; Arul Prasad T A.; Mangesh V.L.; Perumal T.; Al-Qahtani W.H.; Govindasamy M.	Cytotoxic, Antidiabetic, and Antioxidant Study of Biogenically Improved Elsholtzia blanda and Chitosan-Assisted Zinc Oxide Nanoparticles	2023	ACS Omega	3
Venci X.; George A.; Rahul S.; Dhayal Raj A.; Albert Irudayaraj A.; Josephine R.L.; John Sundaram S.; Kaviyarasu K.	Investigation on the formation of self-assembled CdSe dendrite structures and their photocatalytic efficiency	2023	Inorganic Chemistry Communications	4
Nalini T.; Khaleel Basha S.; Mohamed Sadiq A.; Sugantha Kumari V.	Fabrication and evaluation of nanoencapsulated quercetin for wound healing application	2023	Polymer Bulletin	8
Jayamani T.; Arul Prasad T A.; Edal Queen J.; Scholastica Mary Vithiya B.; Tamizhdurai P.; Siva Kumar N.; Al-Fatesh A.S.; Reddy Koduru J.	Catalytic reduction of anionic and cationic toxic dyes and evaluation of antimicrobial activity using green synthesized palladium nanoparticles employing Carica papaya aqueous leaf extract	2023	Journal of Saudi Chemical Society	0
Amali A.A.; Rosline J.J.	Oscillating polar fuzzy graph (OPFG) and its applications	2023	AIP Conference Proceedings	0

Gogula V.; Edward B.; Sathish Kumar K.; Jacob Raglend I.; Suvvala Jayaprakash K.; Sarjila R.	High-Impedance Fault Localization Analysis Employing a Wavelet-Fuzzy Logic Approach	2023	Lecture Notes in Networks and Systems	1
Deepapriya S.; Rodney J.D.; Udayashankar N.K.	Structural, dielectric and impedance functionalities of La _{0.01} Cu _{0.99} O nanocrystals	2023	Journal of Materials Science: Materials in Electronics	0
Aruna G.; Rosline J.J.	Prism fuzzy number and its applications	2023	AIP Conference Proceedings	0
Manoharan J.; Chinnakannu N.K.; Ranganathan B.	Phytochemical screening, Antiradical and Anti-inflammatory activity of aqueous bark extract acquired from <i>Acacia nilotica</i>	2023	Research Journal of Pharmacy and Technology	0
Switha D.; Basha S.K.; Kumari V.S.	In vitro cytocompatibility evaluation of nanostarch reinforced polyaniline-polyvinyl alcohol conductive bionanocomposites for skin tissue engineering application	2023	Journal of Umm Al-Qura University for Applied Sciences	2
Sindhuja G.; Mary Agnes A.	Phytochemical Compounds from the Ethanolic Extract of <i>Gymnema sylvestre</i> , <i>Senna auriculata</i> and <i>Cissus quadrangularis</i> through GC-MS Analysis	2023	Mass Spectrometry Letters	0

Deepapriya S.; Rodney J.D.; Flora John J.; Joshi S.; Udayashankar N.K.; Lakshmi Devi S.; Jerome Das S.	A novel effective immobilization of glucose oxidase on Ni _{0.25} Zn _{0.25} Cu _{0.25} Co _{0.25} La _{0.06} Fe _{1.94} O ₄ – Chitosan nanocomposite as an enzymatic glucose biosensor	2023	Inorganic Chemistry Communications	2
Mathivanan D.; Kamaraj C.; Suseem S.R.; Gandhi P.R.; Malafaia G.	Seaweed <i>Sargassum wightii</i> mediated preparation of TiO ₂ nanoparticles, larvicidal activity against malaria and filariasis vectors, and its effect on non-target organisms	2023	Environmental Research	8
Priya V.S.; Basha S.K.; Kumari V.S.	Kinetics and adsorption performance of biosorbent starch/poly(vinyl alcohol)/graphene oxide nanocomposite for the removal of dyes	2023	Journal of Umm Al-Qura University for Applied Sciences	0
Sebastian J.; Daniel M.; Neppolian B.; Samuel J.M.	Electroactive modified poly(2-aminobenzoic acid)-blend-aloe vera/GCE as an efficient dopamine sensor	2023	Journal of Polymer Research	0
Janani M.; Gomathi T.; Babujanarthanam R.; Kaviyarasu K.	An evaluation of the biological activity of zinc oxide nanoparticles fabricated from aqueous bark extracts of <i>Acacia nilotica</i>	2023	Journal of King Saud University - Science	1

Sebastian J.; Mary Samuel J.	Anticancer potential of poly(2-aminobenzoic acid)-blend-Aloe vera against the human breast cancer cell line MDA-MB-231	2023	Journal of Bioactive and Compatible Polymers	2
Nalini T.; Khaleel Basha S.; Mohamed Sadiq A.; Sugantha Kumari V.	Assessment of acute oral toxicity of quercetin loaded alginate/chitosan nanoparticles: in vivo study	2023	Polymer Bulletin	0
Amali A.A.; Rosline J.J.	ALTERNATE QUADRA SUB - MERGING POLAR FUZZY SOFT GRAPH AND ITS APPLICATION	2023	Reliability: Theory and Applications	0
Dominic S.; Sabjan K.B.; Vinoji S.K.	In Vitro Study of Biocompatible Hybrid Scaffold of Polyvinyl Alcohol–Polyaniline–Nanocellulose for Tissue Engineering Applications	2023	Chemistry Africa	0
Lakshmi R.; Choudhary R.; Senatov F.; Kaloshkin S.; Kothandam S.; Ponnamma D.; Sadasivuni K.K.; Swamiappan S.	Fabrication and bioactivity studies of wollastonite/polycaprolactone composites	2023	International Journal of Nano and Biomaterials	0
Naga Soundarya Lakshmi V.S.V.; Sabarmathi A.	Dynamics of SEIR Model of Nipah Virus	2023	Lecture Notes in Mechanical Engineering	0

Sivaraj R.D.; Panneer Selvam R.; Rangasamy M.K.	Studies on growth, structural, thermal and nonlinear optical properties of 4-methylpyridinium 2, 4-dinitrophenolate single crystal	2023	Journal of Optics (India)	0
Nirmala Devi N.; Vengatesh Kumar S.	A NOVEL LOAD BALANCING APPROACH TOWARDS CLOUD COMPUTING BY REDUCING SLA DEGRADATION AND ENERGY CONSUMPTION	2022	Indian Journal of Computer Science and Engineering	0
Nalini T.; Basha S.K.; Sadiq A.M.; Kumari V.S.	Pectin / chitosan nanoparticle beads as potential carriers for quercetin release	2022	Materials Today Communications	15
Vani G.; Jhancy Mary S.	Interfacially polymerized and characterized electroactive Poly(3-chloroaniline) and Poly(3-chloroaniline)-nanocomposite-NiFe ₂ O ₄ for antimicrobial studies	2022	Materials Today: Proceedings	1
Devi N.N.; Kumar S.V.	SLAV Mitigation and Energy-Efficient VM Allocation Technique Using Improvised Grey Wolf Optimization Algorithm for Cloud Computing	2022	8th International Conference on Advanced Computing and Communication Systems, ICACCS 2022	3

Manimegalai S.; Rajeswari V.D.; Parameswari R.; Nicoletti M.; Alarifi S.; Govindarajan M.	Green synthesis, characterization and biological activity of Solanum trilobatum-mediated silver nanoparticles	2022	Saudi Journal of Biological Sciences	7
Christy P.N.; Basha S.K.; Kumari V.S.	Nano zinc oxide and nano bioactive glass reinforced chitosan/poly(vinyl alcohol) scaffolds for bone tissue engineering application	2022	Materials Today Communications	24
Nalini T.; Basha S.K.; Sadiq A.M.; Kumari V.S.	In vitro cytocompatibility assessment and antibacterial effects of quercetin encapsulated alginate/chitosan nanoparticle	2022	International Journal of Biological Macromolecules	17
Julia Sebastian; Jhancy Mary S.	Structural, Thermal and Electrochemical Behavior of Poly(2-ethylaniline)-nanocomposite-Fe ₂ O ₃ and Poly(2-ethylaniline)-nanocomposite-SiO ₂ for Antibacterial and Antioxidant Studies	2022	Polymer Science - Series B	1
Kanimozhi K.; Kumari V.S.; Basha S.K.; Kaviyarasu K.	In Vitro Degradation Behaviour of Chitosan-Based Blends by ATR-FTIR for Tissue Engineering Scaffolds: An Indirect Bioactivity Assay	2022	Materials Horizons: From Nature to Nanomaterials	0

Priya P.; Sabarmathi A.	Caputo Fractal Fractional Order Derivative of Soil Pollution Model Due to Industrial and Agrochemical	2022	International Journal of Applied and Computational Mathematics	4
Anbumani D.; Dhandapani K.V.; Manoharan J.; Babujanarthanam R.; Bashir A.K.H.; Muthusamy K.; Alfarhan A.; Kanimozhi K.	Green synthesis and antimicrobial efficacy of titanium dioxide nanoparticles using <i>Luffa acutangula</i> leaf extract	2022	Journal of King Saud University - Science	32
Kamaraj C.; Gandhi P.R.; Ragavendran C.; Sugumar V.; Kumar R.C.S.; Ranjith R.; Priyadharsan A.; Cherian T.	Sustainable development through the bio-fabrication of ecofriendly ZnO nanoparticles and its approaches to toxicology and environmental protection	2022	Biomass Conversion and Biorefinery	2
Kaniyappan V.; Rathinasamy R.M.; Manivanan J.G.	Comparative Analysis of the Phyto-compounds Present in the Control and Experimental Peels of <i>Musa paradisiaca</i> used for the Remediation of Chromium Contaminated Water	2022	Mass Spectrometry Letters	1
Jacob J.; Augustine Arul Prasad T.; Scholastica Mary Vithiya B.; Thomas B.; Vasanthi R.	Evaluation of Cu-Ag Bimetallic Nanoalloys as Antibacterial, Antidiabetic, Anticancerous Drug Biosynthesized from <i>Curcuma aromatica</i>	2022	Asian Journal of Chemistry	0
Moolya S.; Anbalagan S.; Devi N.R.; Moolya R.	Magnetohydrodynamics and Aspect Ratio Effects on Double Diffusive Mixed Convection and	2022	Journal of Heat and Mass Transfer Research	0

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Vinodhini S.; Vithiya B.S.M.; Prasad T.A.A.	Green synthesis of silver nanoparticles by employing the <i>Allium fistulosum</i> , <i>Tabernaemontana divaricate</i> and <i>Basella alba</i> leaf extracts for antimicrobial applications	2022	Journal of King Saud University - Science	23
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Vibhute M.S.P.; Jaabir M.; Bharath S.S.; Sivakamavalli J.	Overview of lectins	2022	Lectins: Innate immune defense and Therapeutics	0
Sree Devi K.D.; Karthikeyan P.; Moorthy U.; Deeba K.; Maheshwari V.; Allayear S.M.	Tumor Detection on Microarray Data Using Grey Wolf Optimization with Gain Information	2022	Mathematical Problems in Engineering	5
Switha D.; Khaleel Basha S.; Sugantha Kumari V.	A novel, biocompatible nanostarch incorporated Polyaniline-Polyvinyl alcohol-Nanostarch hybrid scaffold for tissue engineering applications	2022	European Polymer Journal	5

Devi N.R.; Moolya S.; Öztop H.F.; Abu-Hamdeh N.; Padmanathan P.; Satheesh A.	A review on ferrofluids with the effect of MHD and entropy generation due to convective heat transfer	2022	European Physical Journal Plus	8
Vijayalakshmi G.M.; Roselyn Besi P.	ABC Fractional Order Vaccination Model for Covid-19 with Self-Protective Measures	2022	International Journal of Applied and Computational Mathematics	3
Roselyn Maheo A.; Scholastica Mary Vithiya B.; Augustine Arul Prasad T.; Tamizhdurai P.; Mangesh V.L.	Biosynthesis, characterization, biological and photo catalytic investigations of Elsholtzia blanda and chitosan mediated copper oxide nanoparticles: Biosynthesis, characterization, biological and photo catalytic investigations	2022	Arabian Journal of Chemistry	24
Kamaraj C.; Gandhi P.R.; Chandra Satish Kumar R.; Balasubramani G.; Malafaia G.	Biosynthesis and extrinsic toxicity of copper oxide nanoparticles against cattle parasites: An eco-friendly approach	2022	Environmental Research	6
Venci X.; George A.; Raj A.D.; Irudayaraj A.A.; Josephine R.L.; Sundaram S.J.; Kaviyarasu K.	Self-assembly of CdSe 3D urchins and their photocatalytic response	2022	Environmental Research	4
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Rodney J.D.; Deepapriya S.; Das S.J.; Robinson M.C.; Perumal S.; Katlakunta S.; Sivakumar P.; Jung H.; Raj C.J.	Boosting overall electrochemical water splitting via rare earth doped cupric oxide nanoparticles obtained by co-precipitation technique	2022	Journal of Alloys and Compounds	8
Jacob J.; Prasad T.A.A.; Vithiya B.S.M.; Athisa M.R.	Biosynthesis of Bimetallic Cu-Ag Nanocomposites and Evaluation of their Electrocatalytic, Antibacterial and Anti-Cancerous Activity	2022	Journal of Pure and Applied Microbiology	3
Ravi A.; Ravuri M.; Krishnan R.; Narenkumar J.; Anu K.; Alsalhi M.S.; Devanesan S.; Kamala-Kannan S.; Rajasekar A.	Characterization of petroleum degrading bacteria and its optimization conditions on effective utilization of petroleum hydrocarbons	2022	Microbiological Research	4
Maheo A.R.; B. S.M.V.; T. A.A.P.	Biosynthesis and characterization of Eupatorium adenophorum and chitosan mediated Copper oxide nanoparticles and their antibacterial activity	2022	Results in Surfaces and Interfaces	14
Naga Soundarya Lakshmi V.S.V.; Sabarmathi A.	A Mathematical Analysis For Pneumonia Model With Carrier State	2022	AIP Conference Proceedings	0
P N.C.; S K.B.; V S.K.	Multifunctional organic and inorganic hybrid bionanocomposite of chitosan/poly(vinyl alcohol)/nanobioactive	2022	Journal of the Mechanical Behavior of Biomedical Materials	7

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Arumugam J.; George A.; Venci X.; Raj A.D.; Irudayaraj A.A.; Josphine R.L.; Sundaram S.J.; Al-onazi W.A.; Al-Mohaimeed A.M.; Chen T.-W.; Kaviyarasu K.	Exploring and fine tuning the properties of one dimensional Bi ₂ S ₃ nanorods	2022	Journal of Alloys and Compounds	9
Venci X.; George A.; Raj A.D.; Irudayaraj A.A.; Pazhanivel T.; Josephine R.L.; Sundaram S.J.; Kaviyarasu K.; Raja A.; Al-Mekhlafi F.A.; Wadaan M.A.	Photocatalytic degradation effect of CdSe nanoparticles for textile wastewater effluents at low cost and proves to be efficient method	2022	Environmental Research	7
Saranya P.E.; Pachaiappan R.; Fernandes J.M.; Muniramaiah R.; Joseph D.P.; Kovendhan M.	Historical perspective of electrochemical energy storage devices	2022	Smart Supercapacitors: Fundamentals, Structures, and Applications	0
George A.; Magimai Antoni Raj D.; Venci X.; Dhayal Raj A.; Albert Irudayaraj A.; Josephine R.L.; John Sundaram S.; Al-Mohaimeed A.M.; Al Farraj D.A.; Chen T.-W.; Kaviyarasu K.	Photocatalytic effect of CuO nanoparticles flower-like 3D nanostructures under visible light irradiation with the degradation of methylene blue (MB) dye for environmental application	2022	Environmental Research	85
Choudhary R.; Kumar A.; Ellapani V.N.; Trinayan B.; Loganathan M.; Ravy L.; Vijayaparthasarathi V.; Baburao A.M.; Shanthakumar S.; Ponnamma D.; Sadasivuni K.K.; Swamiappan S.	Production of Biodiesel from Soybean Oil in Less Time and at Low Temperature	2022	Asian Journal of Chemistry	0

Bharathwaj P.; Pradeep V.; Padmanathan P.; Satheesh A.; Devi R.	An experimental study on resuspension, thermostability and migration phenomenon of nanoparticles in pool boiling	2022	Journal of Thermal Engineering	0
George A.; Dhayal Raj A.; Albert Irudayaraj A.; Josephine R.L.; Venci X.; John Sundaram S.; Rajakrishnan R.; Kuppusamy P.; Kaviyarasu K.	Regeneration study of MB in recycling runs over nickel vanadium oxide by solvent extraction for photocatalytic performance for wastewater treatments	2022	Environmental Research	19
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Pavithra S.; Mohana B.; Mani M.; Saranya P.E.; Jayavel R.; Prabu D.; Kumaresan S.	Bioengineered 2D Ultrathin Sharp-Edged MgO Nanosheets Using Achyranthes aspera Leaf Extract for Antimicrobial Applications	2021	Journal of Inorganic and Organometallic Polymers and Materials	9
Shendra Shainy V.; Margaret Joan Jebarani G.; Balaji V.	A Labeling 'Sum Modulo Three' with Verification and an Application	2021	Journal of Physics: Conference Series	0

Gowri V.S.; Sabareesh V.	A glimpse into peptidomic approach	2021	Integrated Omics Approaches to Infectious Diseases	0
Gowrishankar J.; Balasundaram G.; Raglend I.J.; Sarjila R.; Edward J.B.; Rajan V.R.	Indoor Automated Vertical Farming Using the Concept of Microgrid	2021	3rd IEEE International Virtual Conference on Innovations in Power and Advanced Computing Technologies, i-PACT 2021	0
Kumar K.; Devi V.L.; Prasad A.; Sarjila R.; Edward J.B.	Interpretation of PMSG Based Wind System with High Gain Converters and MPPT Controllers	2021	3rd IEEE International Virtual Conference on Innovations in Power and Advanced Computing Technologies, i-PACT 2021	0
Jeraldin U.A.M.; Santhi R.J.	Corrosion Inhibition of Mild Steel in 1 M HCl Solution by Poly(o-aminothiophenol) and Poly(o-aminothiophenol)/CuO Nanocomposites	2021	Asian Journal of Chemistry	0

Vijayalakshmi S.; Rajasekar A.; Veeraraghavan V.P.; Ghidan A.Y.; M. Al Antary T.; Karthikkumar V.; Damodaran L.P.M.; Vinayagam R.; David E.	The pro-apoptotic and cytotoxic efficacy of polydatin encapsulated poly(lactic-co-glycolic acid) (PLGA) nanoparticles	2021	Process Biochemistry	1
Padmaja S.; Samuel J.M.	Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline)-composite-Zn as an anodic material in Li-ion batteries	2021	Polymer Bulletin	2
Shrilatha S.; Aruna K.; Bhagavathy S.; Chellaiah G.; Gupta A.	Future of electric vehicles with reference to national electric mobility mission plan at Tamil Nadu	2021	AIP Conference Proceedings	2
Vani G.; Mary S.J.	Prospect of Poly(2-chloroaniline)-Nanocomposite-Silica as Anode in Li-Ion Coin Cell	2021	Asian Journal of Chemistry	0
Naga Soundarya Lakshmi V.S.V.; Sabarmathi A.	Covid-19 analysis by seir model with multiple controls	2021	Advances in Mathematics: Scientific Journal	0
Devakumar J.; Ramesh V.; Suresh P.; Anto Mariya Jeraldine P.; Amaladass P.; Santhi R.J.	Corrosion Inhibition Efficiencies of Polymethacrylic Acid and Substituted Polymethacrylic Acid on Aluminium in 0.3M NaOH	2021	ECS Journal of Solid State Science and Technology	0
Janaki C.; Gowri V.S.; Srinivasan N.	Master Blaster: an approach to sensitive identification of remotely related proteins	2021	Scientific Reports	0

Sharma V.K.; Suresh B.	A Study on Work–Life Balance and Marital Satisfaction of Faculty Members	2021	Lecture Notes in Electrical Engineering	0
Kaviyarasu K.; Magdalane C.M.; Raja A.; Matinise N.; Mayedwa N.; Mongwaketsi N.; Letsholathebe D.; Mola G.T.; AbdullahAl-Dhabi N.; Arasu M.V.; Ramalingam G.; Mohamed S.B.; Isaev A.B.; Kanimozhi K.; Bashir A.K.H.; Kennedy J.; Maaza M.	Photocatalytic oxygen evolution reaction for energy conversion and storage of functional nanomaterials	2020	Handbook of Functionalized Nanomaterials for Industrial Applications	3
Suganthi R.; Padmaja S.; Jhancy Mary S.	Magnetic, thermal and electrical transport properties of O-substituted polyanilines encapsulated with Fe ₂ O ₃ nanoparticles	2020	Asian Journal of Chemistry	0
Christy P.N.; Basha S.K.; Kumari V.S.; Bashir A.K.H.; Maaza M.; Kaviyarasu K.; Arasu M.V.; Al-Dhabi N.A.; Ignacimuthu S.	Biopolymeric nanocomposite scaffolds for bone tissue engineering applications – A review	2020	Journal of Drug Delivery Science and Technology	106
Sujatha L.; Geetha Priya M.; Pavithra N.; Akila R.	Fuzzy transshipment model using fuzzy one point method	2020	Advances in Mathematics: Scientific Journal	1
Gomathy G.; Sabarmathi A.; Shukla P.	Creeping flow of non-newtonian fluid past a fluid sphere with non-zero spin boundary condition	2020	Advances in Mathematics: Scientific Journal	1

Manogharan A.; Sami R.M.R.; Mohan R.	Identification of the motifs of beta-turns and mutated amino acids studies on bcr (Breakpoint cluster region) protein using insilico techniques	2020	International Journal of Research in Pharmaceutical Sciences	0
Sebastian J.; Samuel J.M.	Recent advances in the applications of substituted polyanilines and their blends and composites	2020	Polymer Bulletin	8
Devakumar J.; Jaya Santhi R.; Amaladass P.; Ramesh V.	Anticorrosion activities of polymethacrylic acid and grafted/modified polymethacrylic acid on pure aluminium in acid medium	2020	Materials Today: Proceedings	2
Manogharan A.; Samy R.M.R.; Mohan R.	Molecular effects of mutated amino acids involved in transmembrane and domain regions on the bcr oncogene protein using in silico techniques	2020	International Journal of Research in Pharmaceutical Sciences	0
Sathiya D.; Margaret Joan Jebarani G.; Merceline Anita A.	Coding messages through prime cordial labeling on mcgee graph	2020	Advances in Mathematics: Scientific Journal	0
Sabjan K.B.; Munawar S.M.; Rajendiran D.; Vinoji S.K.; Kasinathan K.	Nanoemulsion as oral drug delivery-a review	2020	Current Drug Research Reviews	27

Amul B.; Muthu S.; Raja M.; Sevvanthi S.	Molecular structure, spectroscopic (FT-IR, FT-Raman, NMR, UV-VIS), chemical reactivity and biological examinations of Ketorolac	2020	Journal of Molecular Structure	12
Jyothi N.S.; Ravichandran K.	Optimum pH for effective dye degradation: Mo, Mn, Co and Cu doped ZnO photocatalysts in thin film form	2020	Ceramics International	24
Shendra Shainy V.; Margaret Joan Jebarani G.; Balaji V.	A coding technique with felicitous labeling and caterpillar graphs	2020	Advances in Mathematics: Scientific Journal	2
Magdalane C.M.; Kanimozhi K.; Arularasu M.V.; Ramalingam G.; Kaviyarasu K.	Self-cleaning mechanism of synthesized SnO ₂ /TiO ₂ nanostructure for photocatalytic activity application for waste water treatment	2019	Surfaces and Interfaces	57
Shendra Shainy V.; Margaret Joan Jebarani G.; Balaji V.	OTSMO Labeling on Generalized Petersen Graphs GP(n, 2)	2019	Journal of Physics: Conference Series	0
Magdalane C.M.; Kaviyarasu K.; Arularasu M.V.; Kanimozhi K.; Ramalingam G.	Structural and morphological properties of Co ₃ O ₄ nanostructures: Investigation of low temperature oxidation for photocatalytic application for waste water treatment	2019	Surfaces and Interfaces	45

Helda Malarkodi J.; Murugavel S.; Rosaline Ezhilarasi J.; Dinesh M.; Ponnuswamy A.	Structure investigation, spectral characterization, electronic properties, and antimicrobial and molecular docking studies of 3'-(1-benzyl-5-methyl-1H-1,2,3-triazole-4-carbonyl)-1'-methyl-4'-phenyl-2H-spiro[acenaphthylene-1,2'-pyrrolidine]-2-one	2019	Journal of the Chinese Chemical Society	7
Monika P.; Madona A.	A symmetric key encryption for data integrity verification using artificial neural network	2019	International Journal of Scientific and Technology Research	0
Venci X.; George A.; Raj A.D.; Irudayaraj A.A.; Raj D.M.A.; Jayakumar G.; Sundaram S.J.	Tuning the morphology and band gap of CdSe nanoparticles via solvothermal method	2019	Materials Today: Proceedings	6
Vincent P.M.D.R.; Manivannan S.S.; Vanmathi C.; Felicita S.A.M.	Automated Blood Donation System using Machine Learning Approach	2019	2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2019	0
Uma Maheswari G.; Margaret Joan Jebarani G.; Balaji V.	Coding through a two star and super mean labeling	2019	Trends in Mathematics	6

Nalini T.; Basha S.K.; Mohamed Sadiq A.M.; Kumari V.S.; Kaviyarasu K.	Development and characterization of alginate / chitosan nanoparticulate system for hydrophobic drug encapsulation	2019	Journal of Drug Delivery Science and Technology	92
George A.; Raj A.D.; Irudayaraj A.A.; Raj D.M.A.; Venci X.; Jayakumar G.; Arumugam J.; Kumar M.S.; Sundaram S.J.; Kaviyarasu K.	Two step synthesis of vanadium pentoxide thin films for optoelectronic applications	2019	Materials Today: Proceedings	6
Jesudoss H.M.; Saminathan M.; Jesudoss R.E.; Murugan D.; Alagusundaram P.	Crystal Structure, Spectral, Electronic, NLO Studies, and Bioactivity of 3'-(1-Benzyl-5-Methyl-1H-1,2,3-Triazole-4-Carbonyl)-4'-(4-Bromophenyl)-1'-Methyl-2H-Spiro [Acenaphthylene-1,2'-Pyrrolidine]-2-One	2019	Brazilian Journal of Physics	4
Magimai Antoni Raj D.; George A.; Dhayal Raj A.; Albert Irudayaraj A.; Venci X.; Arumugam J.; John Sundaram S.; Joy Prabu H.	The role of pH in enhancing the capacity of CuO nanoparticles for antibacterial activity	2019	Materials Today: Proceedings	3
Amul B.; Muthu S.; Raja M.; Sevvanthi S.	Spectral, DFT and molecular docking investigations on Etodolac	2019	Journal of Molecular Structure	42
Khaleel Basha S.; Syed Muzammil M.; Dhandayuthabani R.; Sugantha Kumari V.	Development of nanoemulsion of Alginate/Aloe vera for oral delivery of insulin	2019	Materials Today: Proceedings	10

Suganthi R.; Jhancy Mary S.	Thermal and electrical transport properties of O-substituted polyanilines encapsulated with CuO nanoparticles	2019	Asian Journal of Chemistry	1
Kaviyarasu K.; Mola G.T.; Oseni S.O.; Kanimozhi K.; Magdalane C.M.; Kennedy J.; Maaza M.	ZnO doped single wall carbon nanotube as an active medium for gas sensor and solar absorber	2019	Journal of Materials Science: Materials in Electronics	106
Lakshmi R.; Choudhary R.; Ponnamma D.; Sadasivuni K.K.; Swamiappan S.	Wollastonite/forsterite composite scaffolds offer better surface for hydroxyapatite formation	2019	Bulletin of Materials Science	7
Arivizhivendhan K.V.; Mahesh M.; Murali R.; Regina Mary R.; Thanikaivelan P.; Sekaran G.	Prodigiosin-Iron-Oxide-Carbon Matrix for Efficient Antibiotic-Resistant Bacterial Disinfection of Contaminated Water	2019	ACS Sustainable Chemistry and Engineering	7
Vani G.; Jhancy Mary S.	Synthesis and characterization of poly(2-Chloroaniline), its starch and silk blends and applications in lithiumion batteries	2019	Materials Today: Proceedings	2
Vasumathi A.; Sagaya M.T.; Poranki K.R.	The impact of emotional intelligence on work life balance among the faculty members' performance in the private universities using multivariate analysis, Tamil Nadu, India - an empirical study	2019	International Journal of Services and Operations Management	3

Nivetha R.; Kavitha S.	Bidirectional recurrent neural network language model: Cross entropy churn metrics for defect prediction modelling	2019	International Journal of Engineering and Advanced Technology	1
Arogia Mary A.; Balasubramanian P.	A study on determining the effectiveness of the electronic information sources and services by the user's of university libraries in Tamil Nadu, India	2019	Library Philosophy and Practice	0
Basha S.K.; Dhandayuthabani R.; Muzammil M.S.; Kumari V.S.	Solid lipid nanoparticles for oral drug delivery	2019	Materials Today: Proceedings	51
Sebastian E.; Victor P.	Mathematical Modelling and Optimization of Lung Cancer in Smokers and Non Smokers	2018	Communications in Computer and Information Science	0
Gandhi P.R.; Jayaseelan C.; Kamaraj C.; Rajasree S.R.R.; Regina Mary R.	In vitro antimalarial activity of synthesized TiO ₂ nanoparticles using Momordica charantia leaf extract against Plasmodium falciparum	2018	Journal of Applied Biomedicine	30
Poonguzhali R.; Khaleel Basha S.; Sugantha Kumari V.	Synthesis of alginate/nanocellulose bionanocomposite for in vitro delivery of ampicillin	2018	Polymer Bulletin	30

Mathivanan D.; Gandhi P.R.; Mary R.R.; Suseem S.R.	Larvicidal and acaricidal efficacy of different solvent extracts of <i>Andrographis echinoides</i> against blood-sucking parasites	2018	Physiological and Molecular Plant Pathology	13
Kanimozhi K.; Khaleel Basha S.; Sugantha Kumari V.; Kaviyarasu K.; Maaza M.	In vitro cytocompatibility of chitosan/PVA/methylcellulose – Nanocellulose nanocomposites scaffolds using L929 fibroblast cells	2018	Applied Surface Science	58
Velmurugan G.; Subashini R.; Kandaswamy Sharma V.; Suresh B.	Job satisfaction of engineering faculty members in a private university, Chennai, Tamil Nadu	2018	International Journal of Mechanical Engineering and Technology	0
Maheswari G.U.; Jebarani G.M.J.; Balaji V.	Coding techniques through Fibonacci webs, difference cordial labeling and GMJ code method	2018	Journal of Physics: Conference Series	5
Sebastian E.; Victor P.	A mathematical model on deforestation due to human population and its effect on farm fields: Role of technology in its conservation	2018	Smart Innovation, Systems and Technologies	1
Arivizhivendhan V.; Mahesh M.; Boopathy R.; Karthikeyan S.; Mary R.R.; Sekaran G.	Functioned silver nanoparticle loaded activated carbon for the recovery of bioactive molecule from bacterial fermenter for its bactericidal activity	2018	Applied Surface Science	9

Arularasu M.V.; Devakumar J.; Rajendran T.V.	An innovative approach for green synthesis of iron oxide nanoparticles: Characterization and its photocatalytic activity	2018	Polyhedron	77
Poonguzhali R.; Khaleel Basha S.; Sugantha Kumari V.	Fabrication of asymmetric nanostarch reinforced Chitosan/PVP membrane and its evaluation as an antibacterial patch for in vivo wound healing application	2018	International Journal of Biological Macromolecules	51
Poonguzhali R.; Basha S.K.; Kumari V.S.	Nanostarch Reinforced with Chitosan/Poly (vinyl pyrrolidone) Blend for In Vitro Wound Healing Application	2018	Polymer - Plastics Technology and Engineering	32
Kamaraj C.; Gandhi P.R.; Elango G.; Karthi S.; Chung I.-M.; Rajakumar G.	Novel and environmental friendly approach; Impact of Neem (<i>Azadirachta indica</i>) gum nano formulation (NGNF) on <i>Helicoverpa armigera</i> (Hub.) and <i>Spodoptera litura</i> (Fab.)	2018	International Journal of Biological Macromolecules	51
Sebastian E.; Victor P.	A SIR epidemic model with primary immunodeficiency	2018	Smart Innovation, Systems and Technologies	0
Kamaraj C.; Deepak P.; Balasubramani G.; Karthi S.; Arul D.; Aiswarya D.; Amutha V.; Vimalkumar E.; Mathivanan D.; Suseem S.R.; Muthu-Pandian C.K.; Senthil-Nathan S.; Perumal P.	Target and non-target toxicity of fern extracts against mosquito vectors and beneficial aquatic organisms	2018	Ecotoxicology and Environmental Safety	27

Arivizhivendhan K.V.; Mahesh M.; Boopathy R.; Swarnalatha S.; Regina Mary R.; Sekaran G.	Antioxidant and antimicrobial activity of bioactive prodigiosin produces from <i>Serratia marcescens</i> using agricultural waste as a substrate	2018	Journal of Food Science and Technology	58
Jayaseelan C.; Gandhi P.R.; Rajasree S.R.R.; Suman T.Y.; Mary R.R.	Toxicity studies of nanofabricated palladium against filariasis and malaria vectors	2018	Environmental Science and Pollution Research	17
Poonguzhali R.; Khaleel Basha S.; Sugantha Kumari V.	Novel asymmetric chitosan/PVP/nanocellulose wound dressing: In vitro and in vivo evaluation	2018	International Journal of Biological Macromolecules	71
Malarkodi H.; Saminathan M.; Ezhilarasi R.; Murugan D.; Ponnuswamy A.	Molecular Structure, Spectral, Electronic and Thermodynamic, First-Order Hyperpolarizability, NBO and Molecular Docking Studies of Novel Acenaphthylene Pyrrolidine Derivative	2018	ChemistrySelect	1
Arularasu M.V.; Devakumar J.; Sundaram R.	Impedance Spectroscopy, Magnetic and Optical Analysis of Cadmium Tungstate Nanoparticles from Influence of Capping Agent Additives	2018	Journal of Superconductivity and Novel Magnetism	5
TOTAL NUMBER OF CITATION				1595

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Year: 2021 -2022				
Name of the Author	Title of the Paper	Year of Publication	Title of the Journal	Citation Index
Nirmala Devi N.; Vengatesh Kumar S.	A NOVEL LOAD BALANCING APPROACH TOWARDS CLOUD COMPUTING BY REDUCING SLA DEGRADATION AND ENERGY CONSUMPTION	2022	Indian Journal of Computer Science and Engineering	0
Nalini T.; Basha S.K.; Sadiq A.M.; Kumari V.S.	Pectin / chitosan nanoparticle beads as potential carriers for quercetin release	2022	Materials Today Communications	15
Vani G.; Jhancy Mary S.	Interfacially polymerized and characterized electroactive Poly(3-chloroaniline) and Poly(3-chloroaniline)-nanocomposite-NiFe ₂ O ₄ for antimicrobial studies	2022	Materials Today: Proceedings	1
Devi N.N.; Kumar S.V.	SLAV Mitigation and Energy-Efficient VM Allocation Technique Using Improvised Grey Wolf Optimization Algorithm for Cloud Computing	2022	8th International Conference on Advanced Computing and Communication Systems, ICACCS 2022	3
Manimegalai S.; Rajeswari V.D.; Parameswari R.; Nicoletti M.; Alarifi S.; Govindarajan M.	Green synthesis, characterization and biological activity of Solanum	2022	Saudi Journal of Biological Sciences	7

	trilobatum-mediated silver nanoparticles			
Christy P.N.; Basha S.K.; Kumari V.S.	Nano zinc oxide and nano bioactive glass reinforced chitosan/poly(vinyl alcohol) scaffolds for bone tissue engineering application	2022	Materials Today Communications	24
Nalini T.; Basha S.K.; Sadiq A.M.; Kumari V.S.	In vitro cytocompatibility assessment and antibacterial effects of quercetin encapsulated alginate/chitosan nanoparticle	2022	International Journal of Biological Macromolecules	17
Julia Sebastian; Jhancy Mary S.	Structural, Thermal and Electrochemical Behavior of Poly(2-ethylaniline)-nanocomposite-Fe ₂ O ₃ and Poly(2-ethylaniline)-nanocomposite-SiO ₂ for Antibacterial and Antioxidant Studies	2022	Polymer Science - Series B	1
Kanimozhi K.; Kumari V.S.; Basha S.K.; Kaviyarasu K.	In Vitro Degradation Behaviour of Chitosan-Based Blends by ATR-FTIR for Tissue Engineering Scaffolds: An Indirect Bioactivity Assay	2022	Materials Horizons: From Nature to Nanomaterials	0
Priya P.; Sabarmathi A.	Caputo Fractal Fractional Order Derivative of Soil Pollution Model Due to Industrial and Agrochemical	2022	International Journal of Applied and Computational Mathematics	4

Anbumani D.; Dhandapani K.V.; Manoharan J.; Babujanarthanam R.; Bashir A.K.H.; Muthusamy K.; Alfarhan A.; Kanimozhi K.	Green synthesis and antimicrobial efficacy of titanium dioxide nanoparticles using <i>Luffa acutangula</i> leaf extract	2022	Journal of King Saud University - Science	32
Kamaraj C.; Gandhi P.R.; Ragavendran C.; Sugumar V.; Kumar R.C.S.; Ranjith R.; Priyadharsan A.; Cherian T.	Sustainable development through the bio-fabrication of ecofriendly ZnO nanoparticles and its approaches to toxicology and environmental protection	2022	Biomass Conversion and Biorefinery	2
Kaniyappan V.; Rathinasamy R.M.; Manivanan J.G.	Comparative Analysis of the Phyto-compounds Present in the Control and Experimental Peels of <i>Musa paradisiaca</i> used for the Remediation of Chromium Contaminated Water	2022	Mass Spectrometry Letters	1
Jacob J.; Augustine Arul Prasad T.; Scholastica Mary Vithiya B.; Thomas B.; Vasanthi R.	Evaluation of Cu-Ag Bimetallic Nanoalloys as Antibacterial, Antidiabetic, Anticancerous Drug Biosynthesized from <i>Curcuma aromatica</i>	2022	Asian Journal of Chemistry	0
Moolya S.; Anbalagan S.; Devi N.R.; Moolya R.	Magnetohydrodynamics and Aspect Ratio Effects on Double Diffusive Mixed Convection and Their Prediction: Linear Regression Model	2022	Journal of Heat and Mass Transfer Research	0
Vinodhini S.; Vithiya B.S.M.; Prasad T.A.A.	Green synthesis of silver nanoparticles by employing the <i>Allium fistulosum</i> ,	2022	Journal of King Saud University - Science	23

	Tabernaemontana divaricate and Basella alba leaf extracts for antimicrobial applications			
Maheo A.R.; Scholastica Mary Vithiya B.; Augustine Arul Prasad T.	Biosynthesis of chitosan and Eupatorium adenophorum mediated zinc oxide nanoparticles and their biological and photocatalytic activities	2022	Materials Today: Proceedings	3
Vibhute M.S.P.; Jaabir M.; Bharath S.S.; Sivakamavalli J.	Overview of lectins	2022	Lectins: Innate immune defense and Therapeutics	0
Sree Devi K.D.; Karthikeyan P.; Moorthy U.; Deeba K.; Maheshwari V.; Allayear S.M.	Tumor Detection on Microarray Data Using Grey Wolf Optimization with Gain Information	2022	Mathematical Problems in Engineering	5
Switha D.; Khaleel Basha S.; Sugantha Kumari V.	A novel, biocompatible nanostarch incorporated Polyaniline-Polyvinyl alcohol-Nanostarch hybrid scaffold for tissue engineering applications	2022	European Polymer Journal	5
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Vijayalakshmi G.M.; Roselyn Besi P.	ABC Fractional Order Vaccination Model for Covid-19 with Self-Protective Measures	2022	International Journal of Applied and Computational Mathematics	3

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Kamaraj C.; Gandhi P.R.; Chandra Satish Kumar R.; Balasubramani G.; Malafaia G.	Biosynthesis and extrinsic toxicity of copper oxide nanoparticles against cattle parasites: An eco-friendly approach	2022	Environmental Research	6
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Kanimozhi K.; Kumari V.S.; Basha S.K.; Kaviyarasu K.	In Vitro Studies of Chitosan/PVA/Methylcellulose—Silver Nanocomposites Scaffolds Using L929 Fibroblast Cells	2022	Materials Horizons: From Nature to Nanomaterials	0
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Ravi A.; Ravuri M.; Krishnan R.; Narenkumar J.; Anu K.; Alsalhi M.S.; Devanesan S.; Kamala-Kannan S.; Rajasekar A.	Characterization of petroleum degrading bacteria and its optimization conditions on effective utilization of petroleum hydrocarbons	2022	Microbiological Research	4
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Saranya P.E.; Pachaiappan R.; Fernandes J.M.; Muniramaiah R.; Joseph D.P.; Kovendhan M.	Historical perspective of electrochemical energy storage devices	2022	Smart Supercapacitors: Fundamentals, Structures, and Applications	0
George A.; Magimai Antoni Raj D.; Venci X.; Dhayal Raj A.; Albert Irudayaraj A.; Josephine R.L.; John Sundaram S.; Al-Mohaimed A.M.; Al Farraj D.A.; Chen T.-W.; Kaviyarasu K.	Photocatalytic effect of CuO nanoparticles flower-like 3D nanostructures under visible light irradiation with the degradation of methylene blue (MB) dye for environmental application	2022	Environmental Research	85
Choudhary R.; Kumar A.; Ellapani V.N.; Trinayan B.; Loganathan M.; Ravy L.; Vijayaparthisarathi V.; Baburao A.M.; Shanthakumar S.; Ponnamma D.; Sadasivuni K.K.; Swamiappan S.	Production of Biodiesel from Soybean Oil in Less Time and at Low Temperature	2022	Asian Journal of Chemistry	0
Bharathwaj P.; Pradeep V.; Padmanathan P.; Satheesh A.; Devi R.	An experimental study on resuspension, thermostability and migration phenomenon of nanoparticles in pool boiling	2022	Journal of Thermal Engineering	0
George A.; Dhayal Raj A.; Albert Irudayaraj A.; Josephine R.L.; Venci X.; John Sundaram S.; Rajakrishnan R.; Kuppusamy P.; Kaviyarasu K.	Regeneration study of MB in recycling runs over nickel vanadium oxide by solvent extraction for photocatalytic performance for wastewater treatments	2022	Environmental Research	19
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Nirmala D.N.; Ve+A196:E200ngatesh K.S.	Research Challenges in Pre-Copy Virtual Machine Migration in Cloud Environment	2021	The Internet of Medical Things (IoMT): Healthcare Transformation	0
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Gowri V.S.; Sabareesh V.	A glimpse into peptidomic approach	2021	Integrated Omics Approaches to Infectious Diseases	0
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Padmaja S.; Samuel J.M.	Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline)-composite-Zn as an anodic material in Li-ion batteries	2021	Polymer Bulletin	2
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Naga Soundarya Lakshmi V.S.V.; Sabarmathi A.	Covid-19 analysis by seir model with multiple controls	2021	Advances in Mathematics: Scientific Journal	0
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Janaki C.; Gowri V.S.; Srinivasan N.	Master Blaster: an approach to sensitive identification of remotely related proteins	2021	Scientific Reports	0
Sharma V.K.; Suresh B.	A Study on Work–Life Balance and Marital Satisfaction of Faculty Members	2021	Lecture Notes in Electrical Engineering	0
Kaviyarasu K.; Magdalane C.M.; Raja A.; Matinise N.; Mayedwa N.; Mongwaketsi N.; Letsholathebe D.; Mola G.T.; AbdullahAl-Dhabi N.; Arasu M.V.; Ramalingam G.; Mohamed S.B.; Isaev A.B.; Kanimozhi K.; Bashir A.K.H.; Kennedy J.; Maaza M.	Photocatalytic oxygen evolution reaction for energy conversion and storage of functional nanomaterials	2020	Handbook of Functionalized Nanomaterials for Industrial Applications	3
Suganthi R.; Padmaja S.; Jhancy Mary S.	Magnetic, thermal and electrical transport properties of O-substituted polyanilines encapsulated with Fe ₂ O ₃ nanoparticles	2020	Asian Journal of Chemistry	0

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Sujatha L.; Geetha Priya M.; Pavithra N.; Akila R.	Fuzzy transshipment model using fuzzy one point method	2020	Advances in Mathematics: Scientific Journal	1
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Manogharan A.; Sami R.M.R.; Mohan R.	Identification of the motifs of beta-turns and mutated amino acids studies on bcr (Breakpoint cluster region) protein using insilico techniques	2020	International Journal of Research in Pharmaceutical Sciences	0
Sebastian J.; Samuel J.M.	Recent advances in the applications of substituted polyanilines and their blends and composites	2020	Polymer Bulletin	8
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Sathiya D.; Margaret Joan Jebarani G.; Merceline Anita A.	Coding messages through prime cordial labeling on mcgee graph	2020	Advances in Mathematics: Scientific Journal	0
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Helda Malarkodi J.; Murugavel S.; Rosaline Ezhilarasi J.; Dinesh M.; Ponnuswamy A.	Structure investigation, spectral characterization, electronic properties, and antimicrobial and molecular docking studies of 3'-(1-benzyl-5-methyl-1H-1,2,3-triazole-4-carbonyl)-1'-methyl-4'-phenyl-2H-spiro[acenaphthylene-1,2'-pyrrolidine]-2-one	2019	Journal of the Chinese Chemical Society	7
Monika P.; Madona A.	A symmetric key encryption for data integrity verification using artificial neural network	2019	International Journal of Scientific and Technology Research	0
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Uma Maheswari G.; Margaret Joan Jebarani G.; Balaji V.	Coding through a two star and super mean labeling	2019	Trends in Mathematics	6
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Vani G.; Jhancy Mary S.	Synthesis and characterization of poly(2-Chloroaniline), its starch and silk blends and applications in lithiumion batteries	2019	Materials Today: Proceedings	2
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Nivetha R.; Kavitha S.	Bidirectional recurrent neural network language model: Cross entropy churn metrics for defect prediction modelling	2019	International Journal of Engineering and Advanced Technology	1
Arogia Mary A.; Balasubramanian P.	A study on determining the effectiveness of the electronic information sources and services by the user's of university libraries in Tamil Nadu, India	2019	Library Philosophy and Practice	0
Basha S.K.; Dhandayuthabani R.; Muzammil M.S.; Kumari V.S.	Solid lipid nanoparticles for oral drug delivery	2019	Materials Today: Proceedings	51
Sebastian E.; Victor P.	Mathematical Modelling and Optimization of Lung Cancer in Smokers and Non Smokers	2018	Communications in Computer and Information Science	0
Gandhi P.R.; Jayaseelan C.; Kamaraj C.; Rajasree S.R.R.; Regina Mary R.	In vitro antimalarial activity of synthesized TiO ₂ nanoparticles using Momordica charantia leaf extract against Plasmodium falciparum	2018	Journal of Applied Biomedicine	30
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Mathivanan D.; Gandhi P.R.; Mary R.R.; Suseem S.R.	Larvicidal and acaricidal efficacy of different solvent extracts of <i>Andrographis echinoides</i> against blood-sucking parasites	2018	Physiological and Molecular Plant Pathology	13
Kanimozhi K.; Khaleel Basha S.; Sugantha Kumari V.; Kaviyarasu K.; Maaza M.	In vitro cytocompatibility of chitosan/PVA/methylcellulose – Nanocellulose nanocomposites scaffolds using L929 fibroblast cells	2018	Applied Surface Science	58
Velmurugan G.; Subashini R.; Kandaswamy Sharma V.; Suresh B.	Job satisfaction of engineering faculty members in a private university, Chennai, Tamil Nadu	2018	International Journal of Mechanical Engineering and Technology	0
Maheswari G.U.; Jebarani G.M.J.; Balaji V.	Coding techniques through Fibonacci webs, difference cordial labeling and GMJ code method	2018	Journal of Physics: Conference Series	5
Sebastian E.; Victor P.	A mathematical model on deforestation due to human population and its effect on farm fields: Role of technology in its conservation	2018	Smart Innovation, Systems and Technologies	1
Arivizhivendhan V.; Mahesh M.; Boopathy R.; Karthikeyan S.; Mary R.R.; Sekaran G.	Functioned silver nanoparticle loaded activated carbon for the recovery of bioactive molecule from bacterial fermenter for its bactericidal activity	2018	Applied Surface Science	9

Arularasu M.V.; Devakumar J.; Rajendran T.V.	An innovative approach for green synthesis of iron oxide nanoparticles: Characterization and its photocatalytic activity	2018	Polyhedron	77
Poonguzhali R.; Khaleel Basha S.; Sugantha Kumari V.	Fabrication of asymmetric nanostarch reinforced Chitosan/PVP membrane and its evaluation as an antibacterial patch for in vivo wound healing application	2018	International Journal of Biological Macromolecules	51
Poonguzhali R.; Basha S.K.; Kumari V.S.	Nanostarch Reinforced with Chitosan/Poly (vinyl pyrrolidone) Blend for In Vitro Wound Healing Application	2018	Polymer - Plastics Technology and Engineering	32
Kamaraj C.; Gandhi P.R.; Elango G.; Karthi S.; Chung I.-M.; Rajakumar G.	Novel and environmental friendly approach; Impact of Neem (Azadirachta indica) gum nano formulation (NGNF) on Helicoverpa armigera (Hub.) and Spodoptera litura (Fab.)	2018	International Journal of Biological Macromolecules	51
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Kamaraj C.; Deepak P.; Balasubramani G.; Karthi S.; Arul D.; Aiswarya D.; Amutha V.; Vimalkumar E.; Mathivanan D.; Suseem S.R.; Muthu-Pandian C.K.; Senthil-Nathan S.; Perumal P.	Target and non-target toxicity of fern extracts against mosquito vectors and beneficial aquatic organisms	2018	Ecotoxicology and Environmental Safety	27

Arivizhivendhan K.V.; Mahesh M.; Boopathy R.; Swarnalatha S.; Regina Mary R.; Sekaran G.	Antioxidant and antimicrobial activity of bioactive prodigiosin produces from <i>Serratia marcescens</i> using agricultural waste as a substrate	2018	Journal of Food Science and Technology	58
Jayaseelan C.; Gandhi P.R.; Rajasree S.R.R.; Suman T.Y.; Mary R.R.	Toxicity studies of nanofabricated palladium against filariasis and malaria vectors	2018	Environmental Science and Pollution Research	17
Poonguzhali R.; Khaleel Basha S.; Sugantha Kumari V.	Novel asymmetric chitosan/PVP/nanocellulose wound dressing: In vitro and in vivo evaluation	2018	International Journal of Biological Macromolecules	71
Malarkodi H.; Saminathan M.; Ezhilarasi R.; Murugan D.; Ponnuswamy A.	Molecular Structure, Spectral, Electronic and Thermodynamic, First-Order Hyperpolarizability, NBO and Molecular Docking Studies of Novel Acenaphthylene Pyrrolidine Derivative	2018	ChemistrySelect	1
Arularasu M.V.; Devakumar J.; Sundaram R.	Impedance Spectroscopy, Magnetic and Optical Analysis of Cadmium Tungstate Nanoparticles from Influence of Capping Agent Additives	2018	Journal of Superconductivity and Novel Magnetism	5
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Pavithra S.; Mohana B.; Mani M.; Saranya P.E.; Jayavel R.; Prabu D.; Kumaresan S.	Bioengineered 2D Ultrathin Sharp-Edged MgO Nanosheets Using Achyranthes aspera Leaf Extract for Antimicrobial Applications	2021	Journal of Inorganic and Organometallic Polymers and Materials	9
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Sharma V.K.; Suresh B.	A Study on Work–Life Balance and Marital Satisfaction of Faculty Members	2021	Lecture Notes in Electrical Engineering	0
Kaviyarasu K.; Magdalane C.M.; Raja A.; Matinise N.; Mayedwa N.; Mongwaketsi N.; Letsholathebe D.; Mola G.T.; AbdullahAl-Dhabi N.; Arasu M.V.; Ramalingam G.; Mohamed S.B.; Isaev A.B.; Kanimozhi K.; Bashir A.K.H.; Kennedy J.; Maaza M.	Photocatalytic oxygen evolution reaction for energy conversion and storage of functional nanomaterials	2020	Handbook of Functionalized Nanomaterials for Industrial Applications	3
Suganthi R.; Padmaja S.; Jhancy Mary S.	Magnetic, thermal and electrical transport properties of O-substituted polyanilines encapsulated with Fe ₂ O ₃ nanoparticles	2020	Asian Journal of Chemistry	0

Christy P.N.; Basha S.K.; Kumari V.S.; Bashir A.K.H.; Maaza M.; Kaviyarasu K.; Arasu M.V.; Al-Dhabi N.A.; Ignacimuthu S.	Biopolymeric nanocomposite scaffolds for bone tissue engineering applications – A review	2020	Journal of Drug Delivery Science and Technology	106
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Sathiya D.; Margaret Joan Jebarani G.; Merceline Anita A.	Coding messages through prime cordial labeling on mcgee graph	2020	Advances in Mathematics: Scientific Journal	0
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Helda Malarkodi J.; Murugavel S.; Rosaline Ezhilarasi J.; Dinesh M.; Ponnuswamy A.	Structure investigation, spectral characterization, electronic properties, and antimicrobial and molecular docking studies of 3'-(1-benzyl-5-methyl-1H-1,2,3-triazole-4-carbonyl)-1'-methyl-4'-phenyl-2H-spiro[acenaphthylene-1,2'-pyrrolidine]-2-one	2019	Journal of the Chinese Chemical Society	7
Monika P.; Madona A.	A symmetric key encryption for data integrity verification using artificial neural network	2019	International Journal of Scientific and Technology Research	0
Venci X.; George A.; Raj A.D.; Irudayaraj A.A.; Raj D.M.A.; Jayakumar G.; Sundaram S.J.	Tuning the morphology and band gap of CdSe nanoparticles via solvothermal method	2019	Materials Today: Proceedings	6
Vincent P.M.D.R.; Manivannan S.S.; Vanmathi C.; Felicita S.A.M.	Automated Blood Donation System using Machine Learning Approach	2019	2019 2nd International Conference on Intelligent Computing, Instrumentation	0

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Uma Maheswari G.; Margaret Joan Jebarani G.; Balaji V.	Coding through a two star and super mean labeling	2019	Trends in Mathematics	6
Nalini T.; Basha S.K.; Mohamed Sadiq A.M.; Kumari V.S.; Kaviyarasu K.	Development and characterization of alginate / chitosan nanoparticulate system for hydrophobic drug encapsulation	2019	Journal of Drug Delivery Science and Technology	92
George A.; Raj A.D.; Irudayaraj A.A.; Raj D.M.A.; Venci X.; Jayakumar G.; Arumugam J.; Kumar M.S.; Sundaram S.J.; Kaviyarasu K.	Two step synthesis of vanadium pentoxide thin films for optoelectronic applications	2019	Materials Today: Proceedings	6
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Magimai Antoni Raj D.; George A.; Dhayal Raj A.; Albert Irudayaraj A.; Venci X.; Arumugam J.; John Sundaram S.; Joy Prabu H.	The role of pH in enhancing the capacity of CuO nanoparticles for antibacterial activity	2019	Materials Today: Proceedings	3
Amul B.; Muthu S.; Raja M.; Sevvanthi S.	Spectral, DFT and molecular docking investigations on Etodolac	2019	Journal of Molecular Structure	42

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Lakshmi R.; Choudhary R.; Ponnamma D.; Sadasivuni K.K.; Swamiappan S.	Wollastonite/forsterite composite scaffolds offer better surface for hydroxyapatite formation	2019	Bulletin of Materials Science	7
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Vasumathi A.; Sagaya M.T.; Poranki K.R.	The impact of emotional intelligence on work life balance among the faculty members' performance in the private universities using multivariate	2019	International Journal of Services and Operations Management	3

	analysis, Tamil Nadu, India - an empirical study			
Nivetha R.; Kavitha S.	Bidirectional recurrent neural network language model: Cross entropy churn metrics for defect prediction modelling	2019	International Journal of Engineering and Advanced Technology	1
Arogia Mary A.; Balasubramanian P.	A study on determining the effectiveness of the electronic information sources and services by the user's of university libraries in Tamil Nadu, India	2019	Library Philosophy and Practice	0
Basha S.K.; Dhandayuthabani R.; Muzammil M.S.; Kumari V.S.	Solid lipid nanoparticles for oral drug delivery	2019	Materials Today: Proceedings	51
Sebastian E.; Victor P.	Mathematical Modelling and Optimization of Lung Cancer in Smokers and Non Smokers	2018	Communications in Computer and Information Science	0
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Mathivanan D.; Gandhi P.R.; Mary R.R.; Suseem S.R.	Larvicidal and acaricidal efficacy of different solvent extracts of <i>Andrographis echinoides</i> against blood-sucking parasites	2018	Physiological and Molecular Plant Pathology	13
Kanimozhi K.; Khaleel Basha S.; Sugantha Kumari V.; Kaviyarasu K.; Maaza M.	In vitro cytocompatibility of chitosan/PVA/methylcellulose – Nanocellulose nanocomposites scaffolds using L929 fibroblast cells	2018	Applied Surface Science	58
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Arularasu M.V.; Devakumar J.; Sundaram R.	Impedance Spectroscopy, Magnetic and Optical Analysis of Cadmium Tungstate Nanoparticles from Influence of Capping Agent Additives	2018	Journal of Superconductivity and Novel Magnetism	5
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Sebastian E.; Victor P.	Mathematical Modelling and Optimization of Lung Cancer in Smokers and Non Smokers	2018	Communications in Computer and Information Science	0

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Poonguzhali R.; Khaleel Basha S.; Sugantha Kumari V.	Synthesis of alginate/nanocellulose bionanocomposite for in vitro delivery of ampicillin	2018	Polymer Bulletin	30
Mathivanan D.; Gandhi P.R.; Mary R.R.; Suseem S.R.	Larvicidal and acaricidal efficacy of different solvent extracts of Andrographis echiodides against blood-sucking parasites	2018	Physiological and Molecular Plant Pathology	13
Kanimozhi K.; Khaleel Basha S.; Sugantha Kumari V.; Kaviyarasu K.; Maaza M.	In vitro cytocompatibility of chitosan/PVA/methylcellulose – Nanocellulose nanocomposites scaffolds using L929 fibroblast cells	2018	Applied Surface Science	58
Velmurugan G.; Subashini R.; Kandaswamy Sharma V.; Suresh B.	Job satisfaction of engineering faculty members in a private university, Chennai, Tamil Nadu	2018	International Journal of Mechanical Engineering and Technology	0
Maheswari G.U.; Jebarani G.M.J.; Balaji V.	Coding techniques through Fibonacci webs, difference cordial labeling and GMJ code method	2018	Journal of Physics: Conference Series	5
Sebastian E.; Victor P.	A mathematical model on deforestation due to human population and its effect on farm	2018	Smart Innovation, Systems and Technologies	1

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Arivizhivendhan V.; Mahesh M.; Boopathy R.; Karthikeyan S.; Mary R.R.; Sekaran G.	Functioned silver nanoparticle loaded activated carbon for the recovery of bioactive molecule from bacterial fermenter for its bactericidal activity	2018	Applied Surface Science	9
Arularasu M.V.; Devakumar J.; Rajendran T.V.	An innovative approach for green synthesis of iron oxide nanoparticles: Characterization and its photocatalytic activity	2018	Polyhedron	77
Poonguzhali R.; Khaleel Basha S.; Sugantha Kumari V.	Fabrication of asymmetric nanostarch reinforced Chitosan/PVP membrane and its evaluation as an antibacterial patch for in vivo wound healing application	2018	International Journal of Biological Macromolecules	51
Poonguzhali R.; Basha S.K.; Kumari V.S.	Nanostarch Reinforced with Chitosan/Poly (vinyl pyrrolidone) Blend for In Vitro Wound Healing Application	2018	Polymer - Plastics Technology and Engineering	32
Kamaraj C.; Gandhi P.R.; Elango G.; Karthi S.; Chung I.-M.; Rajakumar G.	Novel and environmental friendly approach; Impact of Neem (Azadirachta indica) gum nano formulation (NGNF) on Helicoverpa armigera (Hub.) and Spodoptera litura (Fab.)	2018	International Journal of Biological Macromolecules	51

Sebastian E.; Victor P.	A SIR epidemic model with primary immunodeficiency	2018	Smart Innovation, Systems and Technologies	0
Kamaraj C.; Deepak P.; Balasubramani G.; Karthi S.; Arul D.; Aiswarya D.; Amutha V.; Vimalkumar E.; Mathivanan D.; Suseem S.R.; Muthu-Pandian C.K.; Senthil-Nathan S.; Perumal P.	Target and non-target toxicity of fern extracts against mosquito vectors and beneficial aquatic organisms	2018	Ecotoxicology and Environmental Safety	27
Arivizhivendhan K.V.; Mahesh M.; Boopathy R.; Swarnalatha S.; Regina Mary R.; Sekaran G.	Antioxidant and antimicrobial activity of bioactive prodigiosin produces from <i>Serratia marcescens</i> using agricultural waste as a substrate	2018	Journal of Food Science and Technology	58
Jayaseelan C.; Gandhi P.R.; Rajasree S.R.R.; Suman T.Y.; Mary R.R.	Toxicity studies of nanofabricated palladium against filariasis and malaria vectors	2018	Environmental Science and Pollution Research	17
Poonguzhali R.; Khaleel Basha S.; Sugantha Kumari V.	Novel asymmetric chitosan/PVP/nanocellulose wound dressing: In vitro and in vivo evaluation	2018	International Journal of Biological Macromolecules	71
Malarkodi H.; Saminathan M.; Ezhilarasi R.; Murugan D.; Ponnuswamy A.	Molecular Structure, Spectral, Electronic and Thermodynamic, First-Order Hyperpolarizability, NBO and Molecular Docking Studies of Novel Acenaphthylene Pyrrolidine Derivative	2018	ChemistrySelect	1

Arularasu M.V.; Devakumar J.; Sundaram R.	Impedance Spectroscopy, Magnetic and Optical Analysis of Cadmium Tungstate Nanoparticles from Influence of Capping Agent Additives	2018	Journal of Superconductivity and Novel Magnetism	5
Scopus				
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Name of the Author	Title of the Paper	Year of Publication	Title of the Journal	Citation Index
Magdalane C.M.; Kanimozhi K.; Arularasu M.V.; Ramalingam G.; Kaviyarasu K.	Self-cleaning mechanism of synthesized SnO ₂ /TiO ₂ nanostructure for photocatalytic activity application for waste water treatment	2019	Surfaces and Interfaces	57
Shendra Shainy V.; Margaret Joan Jebarani G.; Balaji V.	OTSMO Labeling on Generalized Petersen Graphs GP(n, 2)	2019	Journal of Physics: Conference Series	0
Magdalane C.M.; Kaviyarasu K.; Arularasu M.V.; Kanimozhi K.; Ramalingam G.	Structural and morphological properties of Co ₃ O ₄ nanostructures: Investigation of low temperature oxidation for photocatalytic application for waste water treatment	2019	Surfaces and Interfaces	45

Helda Malarkodi J.; Murugavel S.; Rosaline Ezhilarasi J.; Dinesh M.; Ponnuswamy A.	Structure investigation, spectral characterization, electronic properties, and antimicrobial and molecular docking studies of 3'-(1-benzyl-5-methyl-1H-1,2,3-triazole-4-carbonyl)-1'-methyl-4'-phenyl-2H-spiro[acenaphthylene-1,2'-pyrrolidine]-2-one	2019	Journal of the Chinese Chemical Society	7
Monika P.; Madona A.	A symmetric key encryption for data integrity verification using artificial neural network	2019	International Journal of Scientific and Technology Research	0
Venci X.; George A.; Raj A.D.; Irudayaraj A.A.; Raj D.M.A.; Jayakumar G.; Sundaram S.J.	Tuning the morphology and band gap of CdSe nanoparticles via solvothermal method	2019	Materials Today: Proceedings	6
Vincent P.M.D.R.; Manivannan S.S.; Vanmathi C.; Felicita S.A.M.	Automated Blood Donation System using Machine Learning Approach	2019	2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2019	0
Uma Maheswari G.; Margaret Joan Jebarani G.; Balaji V.	Coding through a two star and super mean labeling	2019	Trends in Mathematics	6
Nalini T.; Basha S.K.; Mohamed Sadiq A.M.; Kumari V.S.; Kaviyarasu K.	Development and characterization of alginate / chitosan	2019	Journal of Drug Delivery Science and Technology	92

	nanoparticulate system for hydrophobic drug encapsulation			
George A.; Raj A.D.; Irudayaraj A.A.; Raj D.M.A.; Venci X.; Jayakumar G.; Arumugam J.; Kumar M.S.; Sundaram S.J.; Kaviyarasu K.	Two step synthesis of vanadium pentoxide thin films for optoelectronic applications	2019	Materials Today: Proceedings	6
Jesudoss H.M.; Saminathan M.; Jesudoss R.E.; Murugan D.; Alagusundaram P.	Crystal Structure, Spectral, Electronic, NLO Studies, and Bioactivity of 3'-(1-Benzyl-5-Methyl-1H-1,2,3-Triazole-4-Carbonyl)-4'-(4-Bromophenyl)-1'-Methyl-2H-Spiro [Acenaphthylene-1,2'-Pyrrolidine]-2-One	2019	Brazilian Journal of Physics	4
Magimai Antoni Raj D.; George A.; Dhayal Raj A.; Albert Irudayaraj A.; Venci X.; Arumugam J.; John Sundaram S.; Joy Prabu H.	The role of pH in enhancing the capacity of CuO nanoparticles for antibacterial activity	2019	Materials Today: Proceedings	3
Amul B.; Muthu S.; Raja M.; Sevvanthi S.	Spectral, DFT and molecular docking investigations on Etodolac	2019	Journal of Molecular Structure	42
Khaleel Basha S.; Syed Muzammil M.; Dhandayuthabani R.; Sugantha Kumari V.	Development of nanoemulsion of Alginate/Aloe vera for oral delivery of insulin	2019	Materials Today: Proceedings	10
Suganthi R.; Jhancy Mary S.	Thermal and electrical transport properties of O-substituted polyanilines encapsulated with CuO nanoparticles	2019	Asian Journal of Chemistry	1

Kaviyarasu K.; Mola G.T.; Oseni S.O.; Kanimozhi K.; Magdalane C.M.; Kennedy J.; Maaza M.	ZnO doped single wall carbon nanotube as an active medium for gas sensor and solar absorber	2019	Journal of Materials Science: Materials in Electronics	106
Lakshmi R.; Choudhary R.; Ponnamma D.; Sadasivuni K.K.; Swamiappan S.	Wollastonite/forsterite composite scaffolds offer better surface for hydroxyapatite formation	2019	Bulletin of Materials Science	7
Arivizhivendhan K.V.; Mahesh M.; Murali R.; Regina Mary R.; Thanikaivelan P.; Sekaran G.	Prodigiosin-Iron-Oxide-Carbon Matrix for Efficient Antibiotic-Resistant Bacterial Disinfection of Contaminated Water	2019	ACS Sustainable Chemistry and Engineering	7
Vani G.; Jhancy Mary S.	Synthesis and characterization of poly(2-Chloroaniline), its starch and silk blends and applications in lithiumion batteries	2019	Materials Today: Proceedings	2
Vasumathi A.; Sagaya M.T.; Poranki K.R.	The impact of emotional intelligence on work life balance among the faculty members' performance in the private universities using multivariate analysis, Tamil Nadu, India - an empirical study	2019	International Journal of Services and Operations Management	3
Nivetha R.; Kavitha S.	Bidirectional recurrent neural network language model: Cross entropy churn metrics for defect prediction modelling	2019	International Journal of Engineering and Advanced Technology	1

Arogia Mary A.; Balasubramanian P.	A study on determining the effectiveness of the electronic information sources and services by the user's of university libraries in Tamil Nadu, India	2019	Library Philosophy and Practice	0
Basha S.K.; Dhandayuthabani R.; Muzammil M.S.; Kumari V.S.	Solid lipid nanoparticles for oral drug delivery	2019	Materials Today: Proceedings	51
Sebastian E.; Victor P.	Mathematical Modelling and Optimization of Lung Cancer in Smokers and Non Smokers	2018	Communications in Computer and Information Science	0
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Web of Science				
Year: 2022- 2023				
Title of the Paper	Name of the Author	Title of the Journal	Year of Publication	Citation Index
Fabrication and evaluation of nanoencapsulated quercetin for wound healing application	Nalini, T.; Basha, S. Khaleel; Sadiq, A. Mohamed; Kumari, V. Sugantha	Polymer Bulletin	2023	4
Seaweed Sargassum wightii mediated preparation of TiO ₂ nanoparticles, larvicidal activity against malaria and filariasis vectors, and its effect on non-target organisms	Mathivanan, D.; Kamaraj, Chinnaperumal; Suseem, S. R.; Gandhic, Pachiyappan Rajiv; Malafaia, Guilherme	Environmental Research	2023	2

Investigation on the formation of self-assembled CdSe dendrite structures and their photocatalytic efficiency	Venci, X.; George, Amal; Rahul, S.; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Sundaram, S. John; Kaviyarasu, K.	Inorganic Chemistry Communications	2023	2
Anticancer potential of poly(2-aminobenzoic acid)-blend-Aloe vera against the human breast cancer cell line MDA-MB-231	Sebastian, Julia; Samuel, Jhanc Mary	Journal of Bioactive and Compatible Polymers	2023	2
Cell surface GRP78: a potential mechanism of therapeutic resistant tumors	Amaresan, Rajalakshmi; Gopal, Udhayakumar	Cancer Cell International	2023	1
Prospect of electroactive poly(2-aminobenzoic acid) and poly(2-aminobenzoic acid)-nanocomposite-Fe ₂ O ₃ as antibacterial agents and antioxidants	Sebastian, Julia; Samuel, Jhancy Mary	Polymer Bulletin	2023	1
Cytotoxic, Antidiabetic, and Antioxidant Study of Biogenically Improved <i>Elsholtzia blanda</i> and Chitosan-Assisted Zinc Oxide Nanoparticles	Maheo, Athisa Roselyn; Vithiya, B. Scholastica Mary; Prasad, T. Augustine Arul; Mangesh, V. L.; Perumal, Tamizhdurai; Al-Qahtani, Wahidah H.; Govindasamy, Mani	Acs Omega	2023	1
Structural, dielectric and impedance functionalities of La _{0.01} Cu _{0.99} O nanocrystals	Deepapriya, S.; Rodney, John D.; Udayashankar, N. K.	Journal of Materials Science-Materials In Electronics	2023	0
Electroactive modified poly(2-aminobenzoic acid)-blend-aloe vera/GCE as an efficient dopamine sensor	Sebastian, Julia; Daniel, Miriam; Neppolian, Bernaurdshaw; Samuel, Jhancy Mary	Journal of Polymer Research	2023	0

Photocatalytic effect of CuO nanoparticles flower-like 3D nanostructures under visible light irradiation with the degradation of methylene blue (MB) dye for environmental application	George, Amal; Raj, D. Magimai Antoni; Venci, X.; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Sundaram, S. John; Al-Mohaimeed, Amal M.; Al Farraj, Dunia A.; Chen, Tse-Wei; Kaviyarasu, K.	Environmental Research	2022	59
Biosynthesis, characterization, biological and photo catalytic investigations of <i>Elsholtzia blanda</i> and chitosan mediated copper oxide nanoparticles	Maheo, Athisa Roselyn; Vithiya, B. Scholastica Mary; Prasad, T. Augustine Arul; Tamizhdurai, P.; Mangesh, V. L.	Arabian Journal of Chemistry	2022	22
Green synthesis of silver nanoparticles by employing the <i>Allium fistulosum</i> , <i>Tabernaemontana divaricate</i> and <i>Basella alba</i> leaf extracts for antimicrobial applications	Vinodhini, S.; Vithiya, B. Scholastica Mary; Prasad, T. Augustine Arul	Journal of King Saud University Science	2022	19
Green synthesis and antimicrobial efficacy of titanium dioxide nanoparticles using <i>Luffa acutangula</i> leaf extract	Anbumani, Devipriya; Dhandapani, Kayal Vizhi; Manoharan, Janani; Babujanarathanam, Ranganathan; Bashir, A. K. H.; Muthusamy, Karnan; Alfarhan, Ahmed; Kanimozhi, K.	Journal of King Saud University Science	2022	18
Nano zinc oxide and nano bioactive glass reinforced chitosan/poly(vinyl alcohol) scaffolds for bone tissue engineering application	Christy, P. Narmatha; Basha, S. Khaleel; Kumari, V. Sugantha	Materials Today Communications	2022	16

Regeneration study of MB in recycling runs over nickel vanadium oxide by solvent extraction for photocatalytic performance for wastewater treatments	George, Amal; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Venci, X.; Sundaram, S. John; Rajakrishnan, R.; Kuppusamy, Palaniselvam; Kaviyarasu, K.	Environmental Research	2022	14
Green synthesis of palladium nanoparticles using aqueous plant extracts and its biomedical applications	Vinodhini, S.; Vithiya, B. Scholastica Mary; Prasad, T. Augustine Arul	Journal of King Saud University Science	2022	12
<i>In vitro</i> cytocompatibility assessment and antibacterial effects of quercetin encapsulated alginate/chitosan nanoparticle	Nalini, T.; Basha, S. Khaleel; Sadiq, A. Mohamed; Kumari, V. Sugantha	International Journal of Biological Macromolecules	2022	11
Pectin/chitosan nanoparticle beads as potential carriers for quercetin release	Nalini, T.; Basha, S. Khaleel; Sadiq, A. Mohamed; Kumari, V. Sugantha	Materials Today Communications	2022	10
Exploring and fine tuning the properties of one dimensional Bi ₂ S ₃ nanorods	Arumugam, J.; George, Amal; Venci, X.; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Sundaram, S. John; Al-onazi, Wedad A.; Al-Mohaimeed, Amal M.; Chen, Tse-Wei; Kaviyarasu, K.	Journal of Alloys and Compounds	2022	7
Biosynthesis and extrinsic toxicity of copper oxide nanoparticles against cattle parasites: An eco-friendly approach	Kamaraj, Chinnaperumal; Gandhi, Pachiyappan Rajiv; Kumar, Rajappan Chandra Satish;	Environmental Research	2022	6

	Balasubramani, Govindasamy; Malafaia, Guilherme			
Photocatalytic degradation effect of CdSe nanoparticles for textile wastewater effluents at low cost and proves to be efficient method	Venci, X.; George, Amal; Raj, A. Dhayal; Irudayaraj, A. Albert; Pazhanivel, T.; Josephine, R. L.; Sundaram, S. John; Kaviyarasu, K.; Raja, A.; Al-Mekhlafi, Fahd A.; Wadaan, Muhammad A.	Environmental Research	2022	6
Boosting overall electrochemical water splitting via rare earth doped cupric oxide nanoparticles obtained by co-precipitation technique	Rodney, John D.; Deepapriya, S.; Das, S. Jerome; Robinson, M. Cyril; Perumal, Suresh; Katlakunta, Sadhana; Sivakumar, Periyasamy; Jung, Hyun; Raj, C. Justin	Journal of Alloys and Compounds	2022	5
A review on ferrofluids with the effect of MHD and entropy generation due to convective heat transfer	Devi, N. R.; Moolya, Shivananda; Oztop, Hakan F.; Abu-Hamdeh, Nidal; Padmanathan, P.; Satheesh, A.	European Physical Journal Plus	2022	5
Multifunctional organic and inorganic hybrid bionanocomposite of chitosan/poly(vinyl alcohol)/nanobioactive glass/nanocellulose for bone tissue engineering	Christy, P. Narmatha; Basha, S. Khaleel; Kumari, V. Sugantha	Journal of The Mechanical Behavior of Biomedical Materials	2022	4
Green synthesis, characterization and biological activity of <i>Solanum trilobatum</i> -mediated silver nanoparticles	Manimegalai, Sengani; Rajeswari, Vijayarangan Devi; Parameswari, Ranganathan; Nicoletti, Marcello; Alarifi, Saud; Govindarajan, Marimuthu	Saudi Journal of Biological Sciences	2022	4

Characterization of petroleum degrading bacteria and its optimization conditions on effective utilization of petroleum hydrocarbons	Ravi, Ashwini; Ravuri, Mounesh; Krishnan, Ramkishore; Narenkumar, Jayaraman; Anu, Kasi; Alsalhi, Mohamad S.; Devanesan, Sandhanasamy; Kamala-Kannan, Seralathan; Rajasekar, Aruliah	Microbiological Research	2022	3
A novel, biocompatible nanostarch incorporated Polyaniline-Polyvinyl alcohol-Nanostarch hybrid scaffold for tissue engineering applications	Switha, D.; Basha, S. Khaleel; Kumari, V. Sugantha	European Polymer Journal	2022	3
Self-assembly of CdSe 3D urchins and their photocatalytic response	Venci, X.; George, A.; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Sundaram, S. John; Kaviyarasu, K.	Environmental Research	2022	2
Tumor Detection on Microarray Data Using Grey Wolf Optimization with Gain Information	Sree Devi, K. Dhana; Karthikeyan, P.; Moorthy, Usha; Deeba, K.; Maheshwari, V.; Allayear, Shaikh Muhammad	Mathematical Problems In Engineering	2022	2
Sustainable development through the bio-fabrication of ecofriendly ZnO nanoparticles and its approaches to toxicology and environmental protection	Kamaraj, Chinnaperumal; Gandhi, Pachiyappan Rajiv; Ragavendran, Chinnasamy; Sugumar, Vimal; Kumar, R. C. Satish; Ranjith, Rajendran; Priyadharsan, A.; Cherian, Tijo	Biomass Conversion and Biorefinery	2022	1
Fabrication of conductive hybrid scaffold based on polyaniline/polyvinyl alcohol-chitosan nanoparticles for skin tissue engineering application	Switha, D.; Basha, S. Khaleel; Kumari, V. Sugantha	Polymer Bulletin	2022	0

Structural, Thermal and Electrochemical Behavior of Poly(2-ethylaniline)-nanocomposite-Fe ₂ O ₃ and Poly(2-ethylaniline)-nanocomposite-SiO ₂ for Antibacterial and Antioxidant Studies	Sebastian, Julia; Mary, S. Jhancy	Polymer Science Series B	2022	0
Bioengineered 2D Ultrathin Sharp-Edged MgO Nanosheets Using <i>Achyranthes aspera</i> Leaf Extract for Antimicrobial Applications	Pavithra, S.; Mohana, B.; Mani, M.; Saranya, P. E.; Jayavel, R.; Prabu, D.; Kumaresan, S.	Journal of Inorganic and Organometallic Polymers and Materials	2021	7
Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline) as an anodic material in Li-ion batteries	Padmaja, S.; Samuel, Jhancy Mary	Polymer Bulletin	2021	3
Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline)-composite-Zn as an anodic material in Li-ion batteries	Padmaja, S.; Samuel, Jhancy Mary	Polymer Bulletin	2021	2
The pro-apoptotic and cytotoxic efficacy of polydatin encapsulated poly (lactic-co-glycolic acid) (PLGA) nanoparticles	Vijayalakshmi, Sankaran; Rajasekar, Aruliah; Veeraraghavan, Vishnu Priya; Ghidan, Alaa Yousef; Al Antary, Tawfiq M.; Karthikkumar, Venkatachalam; Damodaran, Lakshmi Priya Malarveni; Ramachandran, Vinayagam; David, Ernest	Process Biochemistry	2021	1
Corrosion Inhibition Efficiencies of Polymethacrylic Acid and Substituted Polymethacrylic Acid on Aluminium in 0.3M NaOH	Devakumar, J.; Ramesh, V.; Suresh, P.; Anto Mariya Jeraldine, P.; Amaladass, P.; Santhi, R. Jaya	Ecs Journal of Solid State Science and Technology	2021	0

Master Blaster: an approach to sensitive identification of remotely related proteins	Janaki, Chintalapati; Gowri, Venkatraman S.; Srinivasan, Narayanaswamy	Scientific Reports	2021	0
Biopolymeric nanocomposite scaffolds for bone tissue engineering applications - A review	Christy, P. Narmatha; Basha, S. Khaleel; Kumari, V. Sugantha; Bashir, A. K. H.; Maaza, M.; Kaviyarasu, K.; Arasu, Mariadhas Valan; Al-Dhabi, Naif Abdullah; Ignacimuthu, Savarimuthu	Journal of Drug Delivery Science and Technology	2020	84
Optimum pH for effective dye degradation: Mo, Mn, Co and Cu doped ZnO photocatalysts in thin film form	Jyothi, N. Siva; Ravichandran, K.	Ceramics International	2020	20
Molecular structure, spectroscopic (FT-IR, FT-Raman, NMR, UV-VIS), chemical reactivity and biological examinations of Ketorolac	Amul, B.; Muthu, S.; Raja, M.; Sevvanthi, S.	Journal of Molecular Structure	2020	13
Recent advances in the applications of substituted polyanilines and their blends and composites	Sebastian, Julia; Samuel, Jhancy Mary	Polymer Bulletin	2020	7
ZnO doped single wall carbon nanotube as an active medium for gas sensor and solar absorber	Kaviyarasu, K.; Mola, Genene T.; Oseni, S. O.; Kanimozhi, K.; Magdalane, C. Maria; Kennedy, J.; Maaza, M.	Journal of Materials Science- Materials In Electronics	2019	92
Development and characterization of alginate/chitosan nanoparticulate system for hydrophobic drug encapsulation	Nalini, T.; Basha, S. Khaleel; Sadiq, A. Majeeth Mohamed; Kumari, V. Sugantha; Kaviyarasu, K.	Journal of Drug Delivery Science and Technology	2019	77

Self-cleaning mechanism of synthesized SnO ₂ /TiO ₂ nanostructure for photocatalytic activity application for waste water treatment	Magdalane, C. Maria; Kanimozhi, K.; Arularasu, M., V; Ramalingam, G.; Kaviyarasu, K.	Surfaces and Interfaces	2019	48
Structural and morphological properties of Co ₃ O ₄ nanostructures: Investigation of low temperature oxidation for photocatalytic application for waste water treatment	Magdalane, C. Maria; Kaviyarasu, K.; Arularasu, M., V; Kanimozhi, K.; Ramalingam, G.	Surfaces and Interfaces	2019	36
Salt Leaching Synthesis, Characterization and <i>In Vitro</i> Cytocompatibility of Chitosan/Poly(vinyl alcohol)/Methylcellulose - ZnO Nanocomposites Scaffolds Using L929 Fibroblast Cells	Kanimozhi, K.; Basha, S. Khaleel; Kaviyarasu, K.; SuganthaKumari, V.	Journal of Nanoscience and Nanotechnology	2019	29
Spectral, DFT and molecular docking investigations on Etodolac	Amul, B.; Muthu, S.; Raja, M.; Sevvanthi, S.	Journal of Molecular Structure	2019	28
Development and Characterization of Sodium Alginate/Poly(vinyl alcohol) Blend Scaffold with Ciprofloxacin Loaded in Controlled Drug Delivery System	Kanimozhi, K.; KhaleelBasha, S.; SuganthaKumari, V.; Kaviyarasu, K.	Journal of Nanoscience and Nanotechnology	2019	21
Wollastonite/forsterite composite scaffolds offer better surface for hydroxyapatite formation	Lakshmi, R.; Choudhary, Rajan; Ponnamma, Deepalekshmi; Sadasivuni, Kishor Kumar; Swamiappan, Sasikumar	Bulletin of Materials Science	2019	7

Prodigiosin-Iron-Oxide-Carbon Matrix for Efficient Antibiotic-Resistant Bacterial Disinfection of Contaminated Water	Arivizhivendhan, K. V.; Mahesh, M.; Murali, R.; Mary, R. Regina; Thanikaivelan, P.; Sekaran, G.	Acs Sustainable Chemistry & Engineering	2019	7
Structure investigation, spectral characterization, electronic properties, and antimicrobial and molecular docking studies of 3'-(1-benzyl-5-methyl-1 <i>H</i> -1,2,3-triazole-4-carbonyl)-1'-methyl-4'-phenyl-2 <i>H</i> -spiro[acenaphthylene-1,2'-pyrrolidine]-2-one	Malarkodi, Jesudoss Helda; Murugavel, Saminathan; Ezhilarasi, Jesudoss Rosaline; Dinesh, Murugan; Ponnuswamy, Alagusundaram	Journal of The Chinese Chemical Society	2019	5
Crystal Structure, Spectral, Electronic, NLO Studies, and Bioactivity of 3-(1-Benzyl-5-Methyl-1 <i>H</i> -1,2,3-Triazole-4-Carbonyl)-4-(4-Bromophenyl)-1-Methyl-2 <i>H</i> -Spiro [Acenaphthylene-1,2-Pyrrolidine]-2-One	Jesudoss, Helda Malarkodi; Saminathan, Murugavel; Jesudoss, Rosaline Ezhilarasi; Murugan, Dinesh; Alagusundaram, Ponnuswamy	Brazilian Journal of Physics	2019	4
A comparative study of hydroxyapatite (Ca ₁₀ (PO ₄) ₆ (OH) ₂) using sol-gel and co-precipitation methods for biomedical applications	Shalini, B.; Kumar, A. Ruban	Journal of The Indian Chemical Society	2019	3
Structural, Optical, Morphological and Microbial Studies on SnO ₂ Nanoparticles Prepared by Co-Precipitation Method	Arularasu, M. V.; Anbarasu, M.; Poovaragan, S.; Sundaram, R.; Kanimozhi, K.; Magdalane, C. Maria; Kaviyarasu, K.; Thema, F. T.; Letsholathebe, D.; Mola, Genene T.; Maaza, M.	Journal of Nanoscience and Nanotechnology	2018	60
Novel asymmetric chitosan/PVP/nanocellulose wound dressing: <i>in vitro</i> and <i>in vivo</i> evaluation	Poonguzhali, R.; Basha, S. Khaleel; Kumari, V. Sugantha	International Journal of Biological	2018	57

		Macromolecules		
In vitro cytocompatibility of chitosan/PVA/methylcellulose - Nanocellulose nanocomposites scaffolds using L929 fibroblast cells	Kanimozhi, K.; Basha, S. Khaleel; Kumari, V. Sugantha; Kaviyarasu, K.; Maaza, M.	Applied Surface Science	2018	49
Development of Biomimetic Hybrid Porous Scaffold of Chitosan/Polyvinyl Alcohol/Carboxymethyl Cellulose by Freeze-Dried and Salt Leached Technique	Kanimozhi, K.; Basha, S. Khaleel; Kumari, V. Sugantha; Kaviyarasu, K.	Journal of Nanoscience and Nanotechnology	2018	49
An innovative approach for green synthesis of iron oxide nanoparticles: Characterization and its photocatalytic activity	Arularasu, M., V; Devakumar, J.; Rajendran, T., V	Polyhedron	2018	48
Antioxidant and antimicrobial activity of bioactive prodigiosin produces from <i>Serratia marcescens</i> using agricultural waste as a substrate	Arivizhivendhan, K. V.; Mahesh, M.; Boopathy, R.; Swarnalatha, S.; Mary, R. Regina; Sekaran, G.	Journal of Food Science and Technology-Mysore	2018	45
Fabrication of asymmetric nanostarch reinforced Chitosan/PVP membrane and its evaluation as an antibacterial patch for <i>in vivo</i> wound healing application	Poonguzhali, R.; Basha, S. Khaleel; Kumari, V. Sugantha	International Journal of Biological Macromolecules	2018	42

Novel and environmental friendly approach; Impact of Neem (<i>Azadirachta indica</i>) gum nano formulation (NGNF) on <i>Helicoverpa armigera</i> (Hub.) and <i>Spodoptera litura</i> (Fab.)	Kamaraj, Chinnaperumal; Gandhi, Pachiyappan Rajiv; Elango, Gandhi; Karthi, Sengodan; Chung, Ill-Min; Rajakumar, Govindasamy	International Journal of Biological Macromolecules	2018	38
Target and non-target toxicity of fern extracts against mosquito vectors and beneficial aquatic organisms	Kamaraj, Chinnaperumal; Deepak, Paramasivam; Balasubramani, Govindasamy; Karthi, Sengodan; Arul, Dhayalan; Aiswarya, Dilipkumar; Amutha, Vadivel; Vimalkumar, Elangovan; Mathivanan, Damodaran; Suseem, Sundaram Renjitham; Muthu-Pandian, Chanthini Kanagaraj; Senthil-Nathan, Sengottayan; Perumal, Pachiappan	Ecotoxicology and Environmental Safety	2018	25
Synthesis of alginate/nanocellulose bionanocomposite for in vitro delivery of ampicillin	Poonguzhali, R.; Basha, S. Khaleel; Kumari, V. Sugantha	Polymer Bulletin	2018	24
<i>In vitro</i> antimalarial activity of synthesized TiO ₂ nanoparticles using <i>Momordica charantia</i> leaf extract against <i>Plasmodium falciparum</i>	Gandhi, Pachiyappan Rajiv; Jayaseelan, Chidambaram; Kamaraj, Chinnaperumal; Rajasree, S. R. Radhika; Mary, Rathinasamy Regina	Journal of Applied Biomedicine	2018	23
Nanostarch Reinforced with Chitosan/Poly (vinyl pyrrolidone) Blend for In Vitro Wound Healing Application	Poonguzhali, R.; Basha, S. Khaleel; Kumari, V. Sugantha	Polymer-Plastics Technology and Engineering	2018	22

Toxicity studies of nanofabricated palladium against filariasis and malaria vectors	Jayaseelan, Chidambaram; Gandhi, Pachiyappan Rajiv; Rajasree, Santha Ravindranath Radhika; Suman, Thodhal Yoganandham; Mary, Rathinasamy Regina	Environmental Science and Pollution Research	2018	14
Larvicidal and acaricidal efficacy of different solvent extracts of <i>andrographis echiodides</i> against blood-sucking parasites	Mathivanan, D.; Gandhi, P. Rajiv; Mary, R. Regina; Suseem, S. R.	Physiological and Molecular Plant Pathology	2018	13
Functioned silver nanoparticle loaded activated carbon for the recovery of bioactive molecule from bacterial fermenter for its bactericidal activity	Arivizhivendhan, Villalan; Mahesh, Mannacharaju; Boopathy, Ramasamy; Karthikeyan, Sekar; Mary, Rathanasamy Regina; Sekaran, Ganesan	Applied Surface Science	2018	7
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TOTAL CITATION				1257
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Year: 2021- 2022				
Title	Authors	Source Title	Publication Year	Total Citations
Photocatalytic effect of CuO nanoparticles flower-like 3D nanostructures under visible light irradiation with the degradation of methylene blue (MB) dye for environmental application	George, Amal; Raj, D. Magimai Antoni; Venci, X.; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Sundaram, S. John; Al-Mohaimed, Amal M.; Al Farraj, Dunia A.; Chen, Tse-Wei; Kaviyarasu, K.	Environmental Research	2022	59
Biosynthesis, characterization, biological and photo catalytic investigations of Elsholtzia blanda and chitosan mediated copper oxide nanoparticles	Maheo, Athisa Roselyn; Vithiya, B. Scholastica Mary; Prasad, T. Augustine Arul; Tamizhdurai, P.; Mangesh, V. L.	Arabian Journal of Chemistry	2022	22
Green synthesis of silver nanoparticles by employing the <i>Allium fistulosum</i> , <i>Tabernaemontana divaricate</i> and <i>Basella alba</i> leaf extracts for antimicrobial applications	Vinodhini, S.; Vithiya, B. Scholastica Mary; Prasad, T. Augustine Arul	Journal of King Saud University Science	2022	19
Green synthesis and antimicrobial efficacy of titanium dioxide nanoparticles using <i>Luffa acutangula</i> leaf extract	Anbumani, Devipriya; Dhandapani, Kayal Vizhi; Manoharan, Janani; Babujanathanam, Ranganathan; Bashir, A. K. H.; Muthusamy, Karnan; Alfarhan, Ahmed; Kanimozhi, K.	Journal of King Saud University Science	2022	18
Nano zinc oxide and nano bioactive glass reinforced chitosan/poly(vinyl alcohol) scaffolds for bone tissue engineering application	Christy, P. Narmatha; Basha, S. Khaleel; Kumari, V. Sugantha	Materials Today	2022	16

		Communications		
Regeneration study of MB in recycling runs over nickel vanadium oxide by solvent extraction for photocatalytic performance for wastewater treatments	George, Amal; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Venci, X.; Sundaram, S. John; Rajakrishnan, R.; Kuppusamy, Palaniselvam; Kaviyarasu, K.	Environmental Research	2022	14
Green synthesis of palladium nanoparticles using aqueous plant extracts and its biomedical applications	Vinodhini, S.; Vithiya, B. Scholastica Mary; Prasad, T. Augustine Arul	Journal of King Saud University Science	2022	12
<i>In vitro</i> cytocompatibility assessment and antibacterial effects of quercetin encapsulated alginate/chitosan nanoparticle	Nalini, T.; Basha, S. Khaleel; Sadiq, A. Mohamed; Kumari, V. Sugantha	International Journal of Biological Macromolecules	2022	11
Pectin/chitosan nanoparticle beads as potential carriers for quercetin release	Nalini, T.; Basha, S. Khaleel; Sadiq, A. Mohamed; Kumari, V. Sugantha	Materials Today Communications	2022	10
Exploring and fine tuning the properties of one dimensional Bi ₂ S ₃ nanorods	Arumugam, J.; George, Amal; Venci, X.; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Sundaram, S. John; Al-onazi, Wedad A.; Al-Mohaimed, Amal M.; Chen, Tse-Wei; Kaviyarasu, K.	Journal of Alloys and Compounds	2022	7

Biosynthesis and extrinsic toxicity of copper oxide nanoparticles against cattle parasites: An eco-friendly approach	Kamaraj, Chinnaperumal; Gandhi, Pachiyappan Rajiv; Kumar, Rajappan Chandra Satish; Balasubramani, Govindasamy; Malafaia, Guilherme	Environmental Research	2022	6
Photocatalytic degradation effect of CdSe nanoparticles for textile wastewater effluents at low cost and proves to be efficient method	Venci, X.; George, Amal; Raj, A. Dhayal; Irudayaraj, A. Albert; Pazhanivel, T.; Josephine, R. L.; Sundaram, S. John; Kaviyarasu, K.; Raja, A.; Al-Mekhlafi, Fahd A.; Wadaan, Muhammad A.	Environmental Research	2022	6
Boosting overall electrochemical water splitting via rare earth doped cupric oxide nanoparticles obtained by co-precipitation technique	Rodney, John D.; Deepapriya, S.; Das, S. Jerome; Robinson, M. Cyril; Perumal, Suresh; Katlakunta, Sadhana; Sivakumar, Periyasamy; Jung, Hyun; Raj, C. Justin	Journal of Alloys and Compounds	2022	5
A review on ferrofluids with the effect of MHD and entropy generation due to convective heat transfer	Devi, N. R.; Moolya, Shivananda; Oztop, Hakan F.; Abu-Hamdeh, Nidal; Padmanathan, P.; Satheesh, A.	European Physical Journal Plus	2022	5
Multifunctional organic and inorganic hybrid bionanocomposite of chitosan/poly(vinyl alcohol)/nanobioactive glass/nanocellulose for bone tissue engineering	Christy, P. Narmatha; Basha, S. Khaleel; Kumari, V. Sugantha	Journal of The Mechanical Behavior of Biomedical Materials	2022	4
Green synthesis, characterization and biological activity of <i>Solanum trilobatum</i> -mediated silver nanoparticles	Manimegalai, Sengani; Rajeswari, Vijayarangan Devi; Parameswari, Ranganathan; Nicoletti, Marcello;	Saudi Journal of Biological Sciences	2022	4

	Alarifi, Saud; Govindarajan, Marimuthu			
Characterization of petroleum degrading bacteria and its optimization conditions on effective utilization of petroleum hydrocarbons	Ravi, Ashwini; Ravuri, Mounesh; Krishnan, Ramkishore; Narenkumar, Jayaraman; Anu, Kasi; Alsalhi, Mohamad S.; Devanesan, Sandhanasamy; Kamala-Kannan, Seralathan; Rajasekar, Aruliah	Microbiological Research	2022	3
A novel, biocompatible nanostarch incorporated Polyaniline-Polyvinyl alcohol-Nanostarch hybrid scaffold for tissue engineering applications	Switha, D.; Basha, S. Khaleel; Kumari, V. Sugantha	European Polymer Journal	2022	3
Self-assembly of CdSe 3D urchins and their photocatalytic response	Venci, X.; George, A.; Raj, A. Dhayal; Irudayaraj, A. Albert; Josephine, R. L.; Sundaram, S. John; Kaviyarasu, K.	Environmental Research	2022	2
Tumor Detection on Microarray Data Using Grey Wolf Optimization with Gain Information	Sree Devi, K. Dhana; Karthikeyan, P.; Moorthy, Usha; Deeba, K.; Maheshwari, V.; Allayear, Shaikh Muhammad	Mathematical Problems In Engineering	2022	2
Sustainable development through the bio-fabrication of ecofriendly ZnO nanoparticles and its approaches to toxicology and environmental protection	Kamaraj, Chinnaperumal; Gandhi, Pachiyappan Rajiv; Ragavendran, Chinnasamy; Sugumar, Vimal; Kumar, R. C. Satish; Ranjith, Rajendran; Priyadharsan, A.; Cherian, Tijo	Biomass Conversion and Biorefinery	2022	1

Fabrication of conductive hybrid scaffold based on polyaniline/polyvinyl alcohol-chitosan nanoparticles for skin tissue engineering application	Switha, D.; Basha, S. Khaleel; Kumari, V. Sugantha	Polymer Bulletin	2022	0
Structural, Thermal and Electrochemical Behavior of Poly(2-ethylaniline)-nanocomposite-Fe ₂ O ₃ and Poly(2-ethylaniline)-nanocomposite-SiO ₂ for Antibacterial and Antioxidant Studies	Sebastian, Julia; Mary, S. Jhancy	Polymer Science Series B	2022	0
Bioengineered 2D Ultrathin Sharp-Edged MgO Nanosheets Using <i>Achyranthes aspera</i> Leaf Extract for Antimicrobial Applications	Pavithra, S.; Mohana, B.; Mani, M.; Saranya, P. E.; Jayavel, R.; Prabu, D.; Kumaresan, S.	Journal of Inorganic and Organometallic Polymers and Materials	2021	7
Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline) as an anodic material in Li-ion batteries	Padmaja, S.; Samuel, Jhancy Mary	Polymer Bulletin	2021	3
Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline)-composite-Zn as an anodic material in Li-ion batteries	Padmaja, S.; Samuel, Jhancy Mary	Polymer Bulletin	2021	2
The pro-apoptotic and cytotoxic efficacy of polydatin encapsulated poly (lactic-co-glycolic acid) (PLGA) nanoparticles	Vijayalakshmi, Sankaran; Rajasekar, Aruliah; Veeraraghavan, Vishnu Priya; Ghidan, Alaa Yousef; Al Antary, Tawfiq M.; Karthikkumar, Venkatachalam; Damodaran, Lakshmi Priya Malarveni; Ramachandran, Vinayagam; David, Ernest	Process Biochemistry	2021	1

Corrosion Inhibition Efficiencies of Polymethacrylic Acid and Substituted Polymethacrylic Acid on Aluminium in 0.3M NaOH	Devakumar, J.; Ramesh, V.; Suresh, P.; Anto Mariya Jeraldine, P.; Amaladass, P.; Santhi, R. Jaya	Ecs Journal of Solid State Science and Technology	2021	0
Master Blaster: an approach to sensitive identification of remotely related proteins	Janaki, Chintalapati; Gowri, Venkatraman S.; Srinivasan, Narayanaswamy	Scientific Reports	2021	0
Biopolymeric nanocomposite scaffolds for bone tissue engineering applications - A review	Christy, P. Narmatha; Basha, S. Khaleel; Kumari, V. Sugantha; Bashir, A. K. H.; Maaza, M.; Kaviyarasu, K.; Arasu, Mariadhas Valan; Al-Dhabi, Naif Abdullah; Ignacimuthu, Savarimuthu	Journal of Drug Delivery Science and Technology	2020	84
Optimum pH for effective dye degradation: Mo, Mn, Co and Cu doped ZnO photocatalysts in thin film form	Jyothi, N. Siva; Ravichandran, K.	Ceramics International	2020	20
Molecular structure, spectroscopic (FT-IR, FT-Raman, NMR, UV-VIS), chemical reactivity and biological examinations of Ketorolac	Amul, B.; Muthu, S.; Raja, M.; Sevvanthi, S.	Journal of Molecular Structure	2020	13
Recent advances in the applications of substituted polyanilines and their blends and composites	Sebastian, Julia; Samuel, Jhancy Mary	Polymer Bulletin	2020	7
ZnO doped single wall carbon nanotube as an active medium for gas sensor and solar absorber	Kaviyarasu, K.; Mola, Genene T.; Oseni, S. O.; Kanimozhi, K.; Magdalane, C. Maria; Kennedy, J.; Maaza, M.	Journal of Materials Science- Materials In Electronics	2019	92

Development and characterization of alginate/chitosan nanoparticulate system for hydrophobic drug encapsulation	Nalini, T.; Basha, S. Khaleel; Sadiq, A. Majeeth Mohamed; Kumari, V. Sugantha; Kaviyarasu, K.	Journal of Drug Delivery Science and Technology	2019	77
Self-cleaning mechanism of synthesized SnO ₂ /TiO ₂ nanostructure for photocatalytic activity application for waste water treatment	Magdalane, C. Maria; Kanimozhi, K.; Arularasu, M., V; Ramalingam, G.; Kaviyarasu, K.	Surfaces and Interfaces	2019	48
Structural and morphological properties of Co ₃ O ₄ nanostructures: Investigation of low temperature oxidation for photocatalytic application for waste water treatment	Magdalane, C. Maria; Kaviyarasu, K.; Arularasu, M., V; Kanimozhi, K.; Ramalingam, G.	Surfaces and Interfaces	2019	36
Salt Leaching Synthesis, Characterization and <i>In Vitro</i> Cytocompatibility of Chitosan/Poly(vinyl alcohol)/Methylcellulose - ZnO Nanocomposites Scaffolds Using L929 Fibroblast Cells	Kaninozhi, K.; Basha, S. Khaleel; Kaviyarasu, K.; SuganthaKumari, V.	Journal of Nanoscience and Nanotechnology	2019	29
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Chemically copolymerized poly(2-chloroaniline-co-2-ethyl-aniline) as an anodic material in Li-ion batteries	Padmaja, S.; Samuel, Jhancy Mary	Polymer Bulletin	2021	3
Chemically copolymerized poly(2-chloroaniline-co-2-ethyl-aniline)-composite-Zn as an anodic material in Li-ion batteries	Padmaja, S.; Samuel, Jhancy Mary	Polymer Bulletin	2021	2
The pro-apoptotic and cytotoxic efficacy of polydatin encapsulated poly (lactic-co-glycolic acid) (PLGA) nanoparticles	Vijayalakshmi, Sankaran; Rajasekar, Aruliah; Veeraraghavan, Vishnu Priya; Ghidan, Alaa Yousef; Al Antary, Tawfiq M.; Karthikkumar, Venkatachalam; Damodaran, Lakshmi Priya Malarveni; Ramachandran, Vinayagam; David, Ernest	Process Biochemistry	2021	1
Corrosion Inhibition Efficiencies of Polymethacrylic Acid and Substituted Polymethacrylic Acid on Aluminium in 0.3M NaOH	Devakumar, J.; Ramesh, V.; Suresh, P.; Anto Mariya Jeraldine, P.; Amaladass, P.; Santhi, R. Jaya	Ecs Journal of Solid State Science and Technology	2021	0

Master Blaster: an approach to sensitive identification of remotely related proteins	Janaki, Chintalapati; Gowri, Venkatraman S.; Srinivasan, Narayanaswamy	Scientific Reports	2021	0
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Synthesis of alginate/nanocellulose bionanocomposite for in vitro delivery of ampicillin	Poonguzhali, R.; Basha, S. Khaleel; Kumari, V. Sugantha	Polymer Bulletin	2018	24
<i>In vitro</i> antimalarial activity of synthesized TiO ₂ nanoparticles using <i>Momordica charantia</i> leaf extract against <i>Plasmodium falciparum</i>	Gandhi, Pachiyappan Rajiv; Jayaseelan, Chidambaram; Kamaraj, Chinnaperumal; Rajasree, S. R. Radhika; Mary, Rathinasamy Regina	Journal of Applied Biomedicine	2018	23

Nanostarch Reinforced with Chitosan/Poly (vinyl pyrrolidone) Blend for In Vitro Wound Healing Application	Poonguzhali, R.; Basha, S. Khaleel; Kumari, V. Sugantha	Polymer-Plastics Technology and Engineering	2018	22
Toxicity studies of nanofabricated palladium against filariasis and malaria vectors	Jayaseelan, Chidambaram; Gandhi, Pachiyappan Rajiv; Rajasree, Santha Ravindranath Radhika; Suman, Thodhal Yoganandham; Mary, Rathinasamy Regina	Environmental Science and Pollution Research	2018	14
Larvicidal and acaricidal efficacy of different solvent extracts of <i>andrographis echioides</i> against blood-sucking parasites	Mathivanan, D.; Gandhi, P. Rajiv; Mary, R. Regina; Suseem, S. R.	Physiological and Molecular Plant Pathology	2018	13
Functioned silver nanoparticle loaded activated carbon for the recovery of bioactive molecule from bacterial fermenter for its bactericidal activity	Arivizhivendhan, Villalan; Mahesh, Mannacharaju; Boopathy, Ramasamy; Karthikeyan, Sekar; Mary, Rathanasamy Regina; Sekaran, Ganesan	Applied Surface Science	2018	7
Impedance Spectroscopy, Magnetic and Optical Analysis of Cadmium Tungstate Nanoparticles from Influence of Capping Agent Additives	Arularasu, M. V.; Devakumar, J.; Sundaram, R.	Journal of Superconductivity and Novel Magnetism	2018	5

Molecular Structure, Spectral, Electronic and Thermodynamic, First-Order Hyperpolarizability, NBO and Molecular Docking Studies of Novel Acenaphthylene Pyrrolidine Derivative	Malarkodi, Helda; Saminathan, Murugavel; Ezhilarasi, Rosaline; Murugan, Dinesh; Ponnuswamy, Alagusundaram	Chemistrysele ct	2018	0
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