

Title	Authors	Department of the teacher	Name of Journal	Year	ISSN	Link to website of the Journal	Link	Document Type	Is it listed in UGC Care list (Yes/No)
(2E)-2-[1-(1,3-Benzodioxol-5-yl)-3-(1H-imidazol-1-yl)propylidene]-N-(4-methoxyphenyl)hydrazinecarboxamide: Synthesis, crystal structure, vibrational analysis, DFT computations, molecular docking and antifungal activity	Al-Wabli R.I.; Al-Ghamdi A.R.; Primsa I.P.; Ghabbour H.A.; Al-Agamy M.H.; Joe I.H.; Attia M.I.	Physics	Journal of Molecular Structure	2018	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
"Translation of Diasporic Conflict as Represented in The Inheritance of Loss by Kiran Desai"	Preethamol MK	English	Translation Today	2018	0972-8740	https://www.ntm.org.in/languages/english/translationtoday.aspx	https://papers.ssrn.com/sol3/pa	Article	Yes
An efficient electrochemical approach for characterization of the interface strength of nano titania-silica (TS) composite coating on titanium implants	Mathai S.	Chemistry	Oriental Journal of Chemistry	2018	0970020X	https://www.orientchem.org/	https://www.scopus-com-kerala	Article	Yes
Coherent source interaction, third-order nonlinear response of synthesized PEG coated magnetite nanoparticles in polyethylene glycol and its application	Gopal S.V.; Chitrabalam S.; Joe I.H.	Physics	Optics and Laser Technology	2018	303992	https://www.sciencedirect.com/journal/optics-and-laser-technology	https://www.scopus-com-kerala	Article	Yes
Comparison of Variations of TEC at Disturbed and Quiet Time Using Nonlinear Dynamics Tools	Eapen S.; Asokan K.; Kumar K.S.; Ramamohan T.R.; Kumar A.	Botany	Journal of Geophysical Research: Space Physics	2018	21699380	https://agupubs.onlinelibrary.wiley.com/journal/21699402	https://www.scopus-com-kerala	Article	Yes
Cu:ZnS and Al:ZnS thin films prepared on FTO substrate by nebulized spray pyrolysis technique	Sabitha C.; Kumar K.D.A.; Valanarasu S.; Saranya A.; Joe I.H.	Physics	Journal of Materials Science: Materials in Electronics	2018	9574522	https://link.springer.com/journal/10861	https://www.scopus-com-kerala	Article	Yes
Density functional theory calculations, vibration spectral analysis and molecular docking of the antimicrobial agent 6-(1,3-benzodioxol-5-ylmethyl)-5-ethyl-2-([2-(morpholin-4-yl)ethyl]sulfanyl)pyrimidin-4(3H)-one	Almutairi M.S.; Soumya S.; Al-Wabli R.I.; Hubert Joe I.; Attia M.I.	Physics	Open Chemistry	2018	23915420	https://www.degruyter.com/journal/kev/chem/html?lang=en	https://www.scopus-com-kerala	Article	Yes
Dye sensitized solar cells using catalytically active CuO-ZnO nanocomposite synthesized by single step method	Abraham N.; Rufus A.; Unni C.; Philip D.	Physics	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2018	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala	Article	Yes
Effect of Ni ²⁺ doping on chemocatalytic and supercapacitor performance of biosynthesized nanostructured CuO	Arun L.; Karthikeyan C.; Philip D.; Sasikumar M.; Elanthamilan E.; Merlin J.P.; Unni C.	Physics	Journal of Materials Science: Materials in Electronics	2018	9574522	https://link.springer.com/journal/10860	https://www.scopus-com-kerala	Article	Yes
Electrical and optical properties of pure and zirconium added dysprosium titanates	Sandeep K.; Thomas J.K.; Solomon S.	Physics	Journal of Materials Science: Materials in Electronics	2018	9574522	https://link.springer.com/journal/10859	https://www.scopus-com-kerala	Article	Yes
Empowering Women through Microfinance- A NBFC Approach	Manu M	Commerce (SF)	IOSR Journal of Business and Management (UGC-Approved)	2018	2319-7668	iosr-jbm">https://www.iosrjournals.org>iosr-jbm	http://iisjcm.org/sites/default/fi	Article	Yes

Enhancement of NLO Properties in OBO Fluorophores Derived from Carbazole-Coumarin Chalcones Containing Carboxylic Acid at the N-Alkyl Terminal End	Rajeshirke, M; Sreenath, MC; Chitrabalam, S; Joe, IH; Sekar, N	Physics	JOURNAL OF PHYSICAL CHEMISTRY C	2018	1932-7447	https://pubs.acs.org/journal/jpcccc	View Full Record in Web of Science	Article	Yes
Excitation energy transfer processes in BODIPY based donor-acceptor system - Synthesis, photophysics, NLO and DFT study	Mallah R.; Sreenath M.C.; Chitrabalam S.; Joe I.H.; Sekar N.	Physics	Optical Materials	2018	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Experimental and theoretical investigation of third-order nonlinear optical properties of azo dye 1-(2, 5-Dimethoxy-phenylazo)-naphthalen-2-ol by Z-scan technique and quantum chemical computations	Sreenath M.C.; Hubert Joe I.; Rastogi V.K.	Physics	Dyes and Pigments	2018	1437208	https://www.sciencedirect.com/journal/dyes-and-pigments	https://www.scopus-com-kerala	Article	Yes
Experimental and theoretical spectroscopic analysis, chemical reactivity and fungicidal activity study on benalaxyl along with quantum chemical computation on metalaxyl and furalaxyl	Mol G.P.S.; Aruldhas D.; Joe I.H.; Balachandran S.	Physics	Chemical Data Collections	2018	24058300	https://www.sciencedirect.com/journal/chemical-data-collections	https://www.scopus-com-kerala	Article	Yes
Fabrication and characterization of Ba8Zn(Ta6-xSbx)O24 microwave ceramics	Suresh M.K.; Solomon S.	Physics	Journal of Materials Science: Materials in Electronics	2018	9574522	https://link.springer.com/journal/10858	https://www.scopus-com-kerala	Article	Yes
Fluorescent meso-benzyl curcuminoid boron complex: Synthesis, photophysics, DFT and NLO study	Mallah R.R.; Mohbiya D.R.; Sreenath M.C.; Chitrabalam S.; Joe I.H.; Sekar N.	Physics	Optical Materials	2018	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Influence of stereoelectronic effects on the non-opioid analgesics gaboxadol and gaboxadol hydrochloride: Spectral and DFT study	Leenaraj D.R.; Joe I.H.	Physics	Journal of Physics and Chemistry of Solids	2018	223697	https://www.sciencedirect.com/journal/journal-of-physics-and-chemistry-of-solids	https://www.scopus-com-kerala	Article	Yes
Influence of transition metal ion Ni2+ on optical, electrical, magnetic and antibacterial properties of phyto-synthesized CuO nanostructure	Arun L.; Karthikeyan C.; Philip D.; Dhayanithi D.; Giridharan N.V.; Unni C.	Physics	Optical and Quantum Electronics	2018	3068919	https://link.springer.com/journal/11083	https://www.scopus-com-kerala	Article	Yes
In-silico analysis of substituent effect on the static first order hyperpolarizability of electron donating mono substituted Chalcone derivatives	Nair L.C.S.; Balachandran S.; Arul Dhas D.; Hubert Joe I.	Physics	Journal of Molecular Modeling	2018	16102940	https://link.springer.com/journal/894	https://www.scopus-com-kerala	Article	Yes
Investigation of structural, optical and electrical properties of ZnS thin films prepared by nebulized spray pyrolysis for solar cell applications	Sabitha C.; Joe I.H.; Kumar K.D.A.; Valanarasu S.	Physics	Optical and Quantum Electronics	2018	3068919	https://link.springer.com/journal/11084	https://www.scopus-com-kerala	Article	Yes
Large Stokes Shifted Far-Red to NIR-Emitting D-π-A Coumarins: Combined Synthesis, Experimental, and Computational Investigation of Spectroscopic and Non-Linear Optical Properties	Avhad K.C.; Patil D.S.; Gawale Y.K.; Chitrabalam S.; Sreenath M.C.; Joe I.H.; Sekar N.	Physics	ChemistrySelect	2018	23656549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656555	https://www.scopus-com-kerala	Article	Yes

Mudra Loan; A Tool for Entrepreneurship and Economic Development	Manu M	Commerce (SF)	Journal of Emerging Technologies and Innovative Research (UGC- Approved)	2018	2349-5162	https://www.jetir.org	JETIR Research Journal	Article	Yes
Nickel entrapped K10-montmorillonite composite incorporated Al alloy for cathodic protection	Archana S.R.; Saalin Raj S.; Suja M.; Suma M.S.	Chemistry	Asian Journal of Chemistry	2018	9707077	https://asianpubs.org/index.php/ajchem	https://www.scopus-com-kerala	Article	Yes
Obesity promotes resistance to anti-VEGF therapy in breast cancer by up-regulating IL-6 and potentially FGF-2	Incio J.; Ligibel J.A.; McManus D.T.; Suboj P.; Jung K.; Kawaguchi K.; Pinter M.; Babykutty S.; Chin S.M.; Vardam T.D.; Huang Y.; Rahbari N.N.; Roberge S.; Wang D.; Gomes-Santos I.L.; Puchner S.B.; Schlett C.L.; Hoffmman U.; Ancukiewicz M.; Tolaney S.M.; Krop I.E.; Duda D.G.; Boucher Y.; Fukumura D.; Jain R.K.	Zoology	Science Translational Medicine	2018	19466234	https://www.science.org/journal/stm	https://www.scopus-com-kerala	https://www.scopus	Article
Optical properties of chiral Schiff base MnII, CoII, NiII complexes having azobenzene	Sato H.; Beppu I.; Haraguchi T.; Akitsu T.; Parida R.; Giri S.; Roymahapatra G.; Hubert Joe I.	Physics	Journal of the Indian Chemical Society	2018	194522	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://www.scopus-com-kerala	Article	Yes
Optimization of retention of phosphate species onto a novel bentonite–alum adsorbent system	Mahadevan H.; Dev V.V.; Krishnan K.A.; Abraham A.; Ershana O.C.	Chemistry	Environmental Technology and Innovation	2018	23521864	https://www.sciencedirect.com/journal/environmental-technology-and-innovation	https://www.scopus-com-kerala	Article	Yes
Photoluminescent properties of nanocrystalline Sm ³⁺ -doped CaO-CeO ₂ system synthesized by an auto-igniting combustion synthesis technique	Aswathy S.V.; Venugopal M.; Kumar H.P.	Physics	Modern Physics Letters B	2018	2179849	https://www.worldscientific.com/worldscinet/mplb	https://www.scopus-com-kerala	Article	Yes
Phytochemical composition, antioxidant and anti-bacterial activity of Syzygium calophyllifolium Walp. fruit	Sathyaranayanan S.; Chandran R.; Thankarajan S.; Abrahamse H.; Thangaraj P.	Botany	Journal of Food Science and Technology	2018	221155	https://link.springer.com/journal/13197	https://www.scopus-com-kerala	Article	Yes

Retraction notice to "Synthesis of ZrB ₂ -SiC ceramic composites from a single-source precursor" [Materials Chemistry and Physics Volume 194, Pages 308-312] (Materials Chemistry and Physics (2017) 194 (308–312), (S0254058417302729) (10.1016/j.matchemphys.2017.03.055))	Arish D.; Shiju C.; Joseyphus R.S.; Pushparajan J.	Chemistry	Materials Chemistry and Physics	2018	2540584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://www.scopus-com-kerala	Article	Yes
Saturation in Fuzzy Graphs	Mathew S.; Yang H.L.; Mathew J.K.	Physics	New Mathematics and Natural Computation	2018	17930057	https://www.worldscientific.com/worldscinet/nmnc	https://www.scopus-com-kerala	Article	Yes
Structural, Optical and Impedance Spectroscopic Characterizations of Nanocrystalline A ₂ Ti ₂ Zr ₅ O ₁₆ (A = Mg, Ca, Ba and Sr)	Sandeep, K; Thomas, JK; Solomon, S	Physics	JOURNAL OF ELECTRONIC MATERIALS	2018	0361-5235	https://link.springer.com/journal/11666	View Full Record in Web of Science	Article	Yes
Structural, optical and impedance spectroscopic characterizations of RE ₂ Zr ₂ O ₇ (RE = La, Y) ceramics	Rejith, RS; Thomas, JK; Solomon, S	Physics	SOLID STATE IONICS	2018	0167-2738	https://www.sciencedirect.com/journal/solid-state-ionics	View Full Record in Web of Science	Article	Yes
Structural, optical and ionic transport properties of Dy _{2-x} LaxZr ₂ O ₇ nanoceramics	Rejith, RS; Thomas, JK; Solomon, S	Physics	JOURNAL OF ALLOYS AND COMPOUNDS	2018	0925-8388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	View Full Record in Web of Science	Article	Yes
Studies on bandgap tuning of visible light active heterojunction CuO/ZnO nanocomposites for DSSC application	Abraham N.; Unni C.; Philip D.	Physics	Journal of Materials Science: Materials in Electronics	2018	9574522	https://link.springer.com/journal/10862	https://www.scopus-com-kerala	Article	Yes
Synthesis and electronic structure studies of a novel nonlinear optical crystal L-leucinium squarate monohydrate: A spectroscopic view	Nath M.J.; Roy S.D.D.; Hubert Joe I.	Physics	Journal of Physics and Chemistry of Solids	2018	223697	https://www.sciencedirect.com/journal/journal-of-physics-and-chemistry-of-solids	https://www.scopus-com-kerala	Article	Yes
Synthesis of ZrB ₂ -SiC ceramic composites from a single-source precursor (Retraction of Vol 194, Pg 308, 2017)	Arish, D; Shiju, C; Joseyphus, RS; Pushparajan, J	Chemistry	MATERIALS CHEMISTRY AND PHYSICS	2018	0254-0584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	View Full Record in Web of Science	Article	Yes
Synthesis, crystal structure, vibrational profiling, DFT studies and molecular docking of N-(4-chloro-2-[2-(1H-indol-2-ylcarbonyl)hydrazinyl](oxoacetyl)phenyl)acetamide. DMSO: A new antiproliferative agent	Al-Wabli, RI; Salman, A; Shyni, V; Ghabbour, HA; Joe, IH; Almutairi, MS; Maklad, YA; Attia, MI	Physics	JOURNAL OF MOLECULAR STRUCTURE	2018	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Science	Article	Yes
Synthesis, Hirshfeld surface analysis, laser damage threshold, third-order nonlinear optical property and DFT computation studies of Dichlorobis(DL-valine)zinc(II): A spectroscopic approach	Chitrambalam S.; Manimaran D.; Hubert Joe I.; Rastogi V.K.; UI Hassan I.	Physics	Optical Materials	2018	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Synthesis, spectroscopic identification and molecular docking of certain N-(2-[2-(1H-Indol-2-ylcarbonyl)hydrazinyl](oxoacetyl)phenyl)acetamides and N-[2-(2-[2-(Acetylamino)phenyl](oxoacetyl)hydrazinyl)-2-oxoethyl]-1H-indole-2-carboxamides: New antimicrobial agents	Almutairi M.S.; Zakaria A.S.; Al-Wabli R.I.; Hubert Joe I.; Abdelhameed A.S.; Attia M.I.	Physics	Molecules	2018	14203049	https://www.mdpi.com/journal/molecules	https://www.scopus-com-kerala	Article	Yes
Synthesis, spectroscopic investigations, DFT studies, molecular docking and antimicrobial potential of certain new indole-isatin molecular hybrids: Experimental and theoretical approaches	Almutairi M.S.; Zakaria A.S.; Ignasius P.P.; Al-Wabli R.I.; Joe I.H.; Attia M.I.	Physics	Journal of Molecular Structure	2018	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes

Third-order optical nonlinearities of 1,5-Diaminoanthraquinone for optical limiting application	Sreenath M.C.; Hubert Joe I.; Rastogi V.K.	Physics	Optics and Laser Technology	2018	303992	https://www.sciencedirect.com/journal/optics-and-laser-technology	https://www.scopus.com	Article	
Triphenylamine Derived 3-Acetyl and 3-Benzothiazolyl Bis and Tris Coumarins: Synthesis, Photophysical and DFT Assisted Hyperpolarizability Study	Erande Y.; Kothavale S.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	Journal of Electronic Materials	2018	3615235	https://link.springer.com/journal/11665	https://www.scopus-com-kerala	Article	Yes
Triphenylamine derived coumarin chalcones and their red emitting OBO difluoride complexes: Synthesis, photophysical and NLO property study	Erande Y.; Kothavale S.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	Dyes and Pigments	2018	1437208	https://www.sciencedirect.com/journal/dyes-and-pigments	https://www.scopus-com-kerala	Article	Yes
Viscosity induced emission of red-emitting NLOphoric coumarin morpholine-thiazole hybrid styryl dyes as FMRs: Consolidated experimental and theoretical approach	Avhad K.C.; Patil D.S.; Chitrambalam S.; Sreenath M.C.; Joe I.H.; Sekar N.	Physics	Optical Materials	2018	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Order—Disorder transformation and its effect on the properties of (Lanthanide) ₂ Zr _{1.5} Hf _{0.5} O ₇ functional nanoceramics	Rejith R.S.; Thomas J.K.; Solomon S.	Physics	Materials Research Bulletin	2019	255408	https://www.sciencedirect.com/journal/materials-research-bulletin	https://www.scopus-com-kerala	Article	Yes
Structural, optical and electrical characterizations of Ln ₆ WO ₁₂ (Ln=La, Nd, Sm, Gd) nanoceramics	Jayalekshmy N.L.; John A.; Thomas J.K.; Solomon S.	Physics	Applied Physics A: Materials Science and Processing	2019	9478396	https://link.springer.com/journal/339	https://www.scopus-com-kerala	Article	Yes
“Chick Lit and Cricketing Nationalism: The Significance of Genre in Anuja Chauhan’s The Zoya Factor”,	Rakesh Ramamoorthy	English	International Journal of English Language, Literature in the Humanities 7.2 (2019), 220-233. (ISSN: 2321-7065)	2019	2321-7065	https://portal.issn.org/resource/ISSN/2321-7065	https://portal.issn.org/resource/	Article	Yes
An antipsychotic drug: Spectroscopic identification, structural features, DFT computations and molecular docking studies on 4-(methylamino)-3-nitrobenzoic acid	Julie M.M.; Prabhu T.; Margreat S.S.; Leenaraj D.R.; Periandy S.; Muthu S.; Raajaraman B.R.	Physics	Journal of Molecular Structure	2019	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Asymptotic and boundedness behaviour of a rational difference equation	Dilip D.S.; Kılıçman A.; Babu S.C.	Mathematics	Journal of Difference Equations and Applications	2019	10236198	https://www.tandfonline.com/toc/gdea20/current	https://www.scopus-com-kerala	Article	Yes
Biogenic synthesis of nanostructured Gd ₂ O ₃ : Structural, optical and bioactive properties	Rajan A.R.; Rajan A.; John A.; Vilas V.; Philip D.	Physics	Ceramics International	2019	2728842	https://www.sciencedirect.com/journal/ceramics-international	https://www.scopus-com-kerala	Article	Yes
Characterization of general position sets and its applications to cographs and bipartite graphs	Anand B.S.; Chandran S. V. U.; Changat M.; Klavžar S.; Thomas E.J.	Mathematics	Applied Mathematics and Computation	2019	963003	https://www.sciencedirect.com/journal/applied-mathematics-and-computation	https://www.scopus-com-kerala	Article	Yes

DFT analysis on spectral and NLO properties of (2E)-3-[4-(dimethylamino phenyl)-1-(naphthalen-2-yl) prop-2-en-1-one; a D- π -A chalcone derivative and its docking studies as a potent hepatoprotective agent	Lakshmi C.S.N.; Balachandran S.; Arul D.D.; Ronaldo A.A.; Hubert J.I.	Physics	Chemical Data Collections	2019	24058300	https://www.sciencedirect.com/journal/chemical-data-collections	https://www.scopus-com-kerala	Data paper	Yes
D- π -A- π -D coumarin hybrids derived from arylamine donors: DFT and Z-scan studies	Raikwar M.M.; Avhad K.C.; Varghese M.; Mathew E.; Joe I.H.; Sekar N.	Physics	Optical Materials	2019	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Enhanced photoluminescence in CaZr _{0.95} MxDy(0.1-x)O ₃ perovskites by Mg ²⁺ and Al ³⁺ co-doping for WLED applications	Venugopal M.; Kumar H.P.; Sathesh R.; Jayakrishnan R.	Physics	Materials Research Express	2019	20531591	https://iopscience.iop.org/journal/2053-1591	https://www.scopus-com-kerala	Article	Yes
Extensive Study of Rhodanine-Arylamine-Based Chromophores: Consolidated Optical, DFT/TD-DFT and Non-Linear Optical Properties	Avhad K.C.; Patil D.S.; Chitrambalam S.; Sreenath M.C.; Joe I.H.; Sekar N.	Physics	ChemistrySelect	2019	23656549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656554	https://www.scopus-com-kerala	Article	Yes
Global Banking Developments; A Study on Selected Countries	Manu M	Commerce (SF)	Impact; International Journal of Research in Humanities, Arts and Literature (UGC-Approved)	2019	2347-4564	https://www.impactjournals.us/index.php/journals	https://www.impactjournals.us	Article	Yes
Growth, structural, third order nonlinear optical properties, dielectric properties, conductivity mechanisms and spectroscopic characterization of a luminescent material trans-diaqua-bis(pyridine-2-carboxylato)-cobalt(II) dihydrate for optoelectronic applications	Rajan R.V.; Gowri S.; Manopradha N.; Leenaraj D.R.; Joy L.K.; Sajan D.	Physics	Optics and Laser Technology	2019	303992	https://www.sciencedirect.com/journal/optics-and-laser-technology	https://www.scopus-com-kerala	Article	Yes
Influence of acceptors in NLOphoric aacenaphthene and morpholine-thiourea hybrid dyes: Photophysical, viscosity, DFT and Z-Scan study	Mohbiya D.R.; Mallah R.R.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	Optical Materials	2019	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Influence of thiophene spacer and auxiliary acceptor on the optical properties of 4-(Diethylamino)-2-hydroxybenzaldehyde based D- π -A- π -D Colorants with N-alkyl donors: Experimental, DFT and Z-scan study	Raikwar M.M.; Patil D.S.; Mathew E.; Varghese M.; Joe I.H.; Sekar N.	Physics	Journal of Photochemistry and Photobiology A: Chemistry	2019	10106030	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-a-chemistry	https://www.scopus-com-kerala	Article	Yes
Molecular docking, structural characterization, DFT and cytotoxicity studies of metal(II) Schiff base complexes derived from thiophene-2-carboxaldehyde and L-histidine	John L.; Dasan A.; Joseyphus R.S.; Joe I.H.	Physics	Journal of Molecular Structure	2019	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Nanostructured copper (II) oxide and its novel reduction to stable copper nanoparticles	Sreeju N.; Rufus A.; Philip D.	Physics	Journal of Physics and Chemistry of Solids	2019	223697	https://www.sciencedirect.com/journal/journal-of-physics-and-chemistry-of-solids	https://www.scopus-com-kerala	Article	Yes
NLO Properties of 2-Naphthol Monoazo Disperse Dyes by DFT and Z-Scan Technique - A Detailed Study	Yadav, SB; Sreenath, MC; Chitrambalam, S; Joe, IH; Sekar, N	Physics	CHEMISTRYSELECT	2019	2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656555	View Full Record in Web of Science	Article	Yes

NLOphoric benzyl substituted BODIPY and BOPHY: A comprehensive linear and nonlinear optical study by spectroscopic, DFT and Z-scan measurement	Mallah R.R.; Mohbiya D.R.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2019	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala	Article	Yes
NLO-Phoric Emissive Quinoxaline Analog of Quinoline Yellow 54 and Z-Scan Studies	Ayare N.N.; Rajeshirke M.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	ChemistrySelect	2019	23656549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656552	https://www.scopus-com-kerala	Article	Yes
NLOphoric Triphenylamine Derived Donor- π -Acceptor- π -Donor Based Colorants: Synthesis, Spectroscopic, Density Functional Theory and Z-scan Studies	Raikwar M.M.; Mathew E.; Varghese M.; Joe I.H.; Nethi S.N.	Physics	Photochemistry and Photobiology	2019	318655	https://onlinelibrary.wiley.com/journal/17511097	https://www.scopus-com-kerala	Article	Yes
Nonlinear optical limiting and dual beam mode matched thermal lensing of nano fluids containing green synthesized copper nanoparticles	John J.; Mathew R.M.; Rejeena I.; Jayakrishnan R.; Mathew S.; Thomas V.; Mujeeb A.	Physics	Journal of Molecular Liquids	2019	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus	Article	
Non-linear optical response of meso hybrid BODIPY: Synthesis, photophysical, DFT and Z scan study	Mallah R.R.; Mohbiya D.R.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2019	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala	Article	Yes
Non-linear optical response of meso substituted dipyrromethene boron difluoride dyes: Synthesis, photophysical, DFT and Z scan study	Mallah R.R.; Mohbiya D.R.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	Optical Materials	2019	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus	Article	
Order-Disorder transformation and its effect on the properties of (Lanthanide)2Zr1.5Hf0.5O7 functional nanoceramics	Rejith, RS; Thomas, JK; Solomon, S	Physics	MATERIALS RESEARCH BULLETIN	2019	0025-5408	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	View Full Record in Web of Science	Article	Yes
Preparation, characterization and properties of LnSmWO 6 (Ln = Nd and Dy) nanofunctional ceramics	Jayalekshmy N.L.; Thomas J.K.; Solomon S.	Physics	Bulletin of Materials Science	2019	2504707	https://link.springer.com/journal/12036	https://www.scopus-com-kerala	Article	Yes
Pyrene Based NLOphoric D- π -A- π -D Coumarin-Chalcone and Their Red Emitting OBO Difluoride Complex: Synthesis, Solvatochromism, Z-scan, and Detailed TD-DFT Studies	Yadav S.B.; Erande Y.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	ChemistrySelect	2019	23656549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656551	https://www.scopus-com-kerala	Article	Yes
Reverse saturable absorption behavior of Disodium 8-Hydroxy-5,7-Dinitro-2-Naphthalenesulfonate Hydrate for nonlinear optical applications	Sreenath M.C.; Joe I.H.; Rastogi V.K.	Physics	Journal of Molecular Structure	2019	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Simulation studies on the responses of ZnO-CuO/CNT nanocomposite based SAW sensor to various volatile organic chemicals	Abraham N.; Reshma Krishnakumar R.; Unni C.; Philip D.	Physics	Journal of Science: Advanced Materials and Devices	2019	24682284	https://www.sciencedirect.com/journal/journal-of-science-advanced-materials-and-devices	https://www.scopus-com-kerala	Article	Yes
Size tunable biosynthesis and luminescence quenching of nanostructured hematite (α -Fe2O3) for catalytic degradation of organic pollutants	Rufus A.; Sreeju N.; Philip D.	Physics	Journal of Physics and Chemistry of Solids	2019	223697	https://www.sciencedirect.com/journal/journal-of-physics-and-chemistry-of-solids	https://www.scopus	Article	

Spectral, structural and theoretical studies of α -methyl trans cinnamaldehyde semicarbazone	Saritha, SR; Anitha, L; Layana, SR; Sudarsanakumar, MR; Joe, IH; Manimaran, D; Siji, VL	Physics	JOURNAL OF MOLECULAR STRUCTURE	2019	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Science	Article	Yes
Spectroscopic identification, structural features, Hirshfeld surface analysis and molecular docking studies on stiripentol: An orphan antiepileptic drug	Almutairi M.S.; Leenaraj D.R.; Ghabbour H.A.; Joe I.H.; Attia M.I.	Physics	Journal of Molecular Structure	2019	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Spectroscopic investigation and non linear optical activity study on 7,7,8,8-tetra cyano quino dimethane	Suma V.K.; Arul Dhas D.; Lydia Renj D.P.; Balachandran S.; Hubert Joe I.; Chitrabalam S.	Physics	Chemical Data Collections	2019	24058300	https://www.sciencedirect.com/journal/chemical-data-collections	https://www.scopus-com-kerala	Data paper	Yes
Spectroscopic investigation, fungicidal activity and molecular dynamics simulation on benzimidazol-2-yl carbamate derivatives	Mol G.P.S.; Aruldhas D.; Hubert Joe I.; Balachandran S.; Anuf A.R.; George J.	Physics	Journal of Molecular Structure	2019	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Structural activity (monomer and dimer), spectroscopic analysis, chemical reactivity, fungicidal activity and molecular dynamics simulation of phenyl benzamide fungicides: A combined experimental and theoretical approach	Mol G.P.S.; Aruldhas D.; Joe I.H.; Balachandran S.; Anuf A.R.; George J.	Physics	Journal of Molecular Structure	2019	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Structural activity, fungicidal activity and molecular dynamics simulation of certain triphenyl methyl imidazole derivatives by experimental and computational spectroscopic techniques	Sheeja Mol G.P.; Aruldhas D.; Hubert Joe I.; Balachandran S.; Ronaldo Anuf A.; George J.; Nadh A.G.	Physics	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2019	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala	Article	Yes
Structural and temperature dependent dielectric properties of nanocrystalline PbTiO ₃ synthesized through auto-igniting combustion technique	Suresh M.K.; Thomas J.K.	Physics	Solid State Sciences	2019	12932558	https://www.sciencedirect.com/journal/solid-state-sciences	https://www.scopus-com-kerala	Article	Yes
Structural optical and electrical properties of RE ₄ Zr ₃ O ₁₂ (RE = Dy, Y, Er, and Yb) nanoceramics	Rejith R.S.; Krishnan R.R.; John A.; Thomas J.K.; Solomon S.	Physics	Ionics	2019	9477047	https://link.springer.com/journal/11581	https://www.scopus-com-kerala	Article	Yes
Structural studies of 3-[(E)-[(2E)-2-methyl-3-phenylprop-2-en-1-ylidene] amino]-1-phenylthiourea: Combined experimental and computational studies	Anitha L.; Saritha S.R.; Layana S.R.; Nair Lakshmi C.S.; Hubert Joe I.; Sudarsanakumar M.R.	Physics	Journal of Molecular Structure	2019	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Structural, optical and electrical characterizations of Ln ₆ WO ₁₂ (Ln=La, Nd, Sm, Gd) nanoceramics	Jayalekshmy, NL; John, A; Thomas, JK; Solomon, S	Physics	APPLIED PHYSICS A- MATERIALS SCIENCE & PROCESSING	2019	0947-8396	https://link.springer.com/journal/339	View Full Record in Web of Science	Article	Yes
Synthesis and characterization of AZrTi ₂ O ₇ (A = mg, ca, Sr and Ba) functional nanoceramics	K S.; Thomas J.K.; Solomon S.	Physics	Journal of Electroceramics	2019	13853449	https://link.springer.com/journal/10832	https://www.scopus-com-kerala	Article	Yes

Synthesis and spectral characterization of metal complexes of Schiff base derived from indole-3-carboxaldehyde and L-histidine as potent biocides	Reshma R.; Joseyphus R.S.; Dasan A.; John L.	Chemistry	Journal of Coordination Chemistry	2019	958972	https://www.tandfonline.com/journals/gcoo20	https://www-scopus-com-kerala	Article	Yes
Synthesis of ultrafine nanopowder of Y2O3-ZnO composite by a modified combustion method for their application as infrared transparent ceramic materials	Jose S.M.; Mathew C.T.; Swapna Y.V.; Lakshmi J.S.; Thomas J.K.	Physics	Emerging Trends in Advanced Spectroscopy	2019		https://www.routledge.com/Emerging-Trends-in-Advanced-Spectroscopy/Weiman-Jibin-KP-GL-Thomas-Kalarikkal/p/book/9788770220828	https://www-scopus	Article	
Synthesis, single crystal X-ray structure, DFT computations, hirshfeld surface analysis and molecular docking simulations on (((1E)-1-(1,3-benzodioxol-5-yl)-3-(1H-imidazol-1-yl)propylidene)amino)oxy(furan-2-yl)methanone: A new antifungal agent	Al-Wabli R.I.; Al-Ghamdi A.R.; Aswathy S.V.; Ghabbour H.A.; Al-Agamy M.H.; Joe I.H.; Attia M.I.	Physics	Crystals	2019	20734352	https://www.mdpi.com/journal/crystals	https://www-scopus-com-kerala	Article	Yes
Synthesis, spectral characterization, DFT, and molecular docking studies of metal(II) complexes derived from thiophene-2-carboxaldehyde and 2-amino-6-picoline	John L.; Joseyphus R.S.; Joe I.H.	Chemistry	Journal of Coordination Chemistry	2019	958972	https://www.tandfonline.com/journals/gcoo20	https://www-scopus	Article	
Tailoring the photoluminescent properties of samarium and dysprosium doped calcium zirconate perovskites for WLED applications	Venugopal M.; Padma Kumar H.; Sathesh R.; Jayakrishnan R.	Physics	International Journal of Applied Ceramic Technology	2019	1546542X	https://ceramics.onlinelibrary.wiley.com/journal/17447402	https://www-scopus	Article	
Third-order nonlinear optical studies of two novel chalcone derivatives using Z-scan technique and DFT method	Mathew E.; Salian V.V.; Hubert Joe I.; Narayana B.	Physics	Optics and Laser Technology	2019	303992	https://www.sciencedirect.com/journal/optics-and-laser-technology	https://www-scopus-com-kerala	Article	Yes
Tunable light emission using crystalline carbon dots	John J.; Mathew R.M.; Thomas T.; Abraham R.; Rejeena I.; Jayakrishnan R.; Chacko F.; Thomas V.	Physics	Journal of Optics (India)	2019	9728821	https://link.springer.com/journal/12596	https://www-scopus-com-kerala	Article	Yes
Tuning the optical and mechanical properties of Y2O3 ceramics by the inclusion of La3+ ion in the matrix for infrared transparent window applications	Mathew C.T.	Physics	International Journal of Advanced Research in Engineering and Technology	2019	9766480	https://iaeme.com/Home/journal/IJARET	https://www-scopus-com-kerala	Article	Yes
"Adapting Fiction into Film- Rashomon (1950)".	Preethamol MK	English	Translation Today	2020	0972-8740	https://www.ntm.org.in/languages/english/NewT-vol14n2.aspx	Microsoft Word - Translation Tod	Article	Yes
A potent multifunctional Ag/Co-polyvinylpyrrolidone nanocomposite for enhanced detection of Cr(III) from environmental samples and its photocatalytic and antibacterial applications	Janani B.; Alarjani K.M.; Raju L.L.; Thomas A.M.; Das A.; Khan S.S.	Zoology	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2020	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www-scopus-com-kerala	Article	Yes
A study on Tax revenue and non tax revenue of india	Jissy S G	Commerce (SF)	ugc care list journal. Studies in Indian Place names	2020	2394-3114	https://www.tpnsindia.org		Article	Yes
Assessment of urban river water quality and developing strategies for phosphate removal from water and wastewaters: Integrated monitoring and mitigation studies	Mahadevan H.; Krishnan K.A.; Pillai R.R.; Sudhakaran S.	Chemistry	SN Applied Sciences	2020	25233971	https://link.springer.com/journal/42452	https://www-scopus-com-kerala	Article	Yes

Benzothiazole pyrazole containing emissive azo dyes decorated with ES IPT core: Linear and non linear optical properties, Z scan, optical limiting, laser damage threshold with comparative DFT studies	Ghanavatkar C.W.; Mishra V.R.; Sekar N.; Mathew E.; Thomas S.S.; Joe I.H.	Physics	Journal of Molecular Structure	2020	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Biomedical application studies of Schiff base metal complexes containing pyridine moiety: molecular docking and a DFT approach	John L.; Joseyphus R.S.; Joe I.H.	Physics	SN Applied Sciences	2020	25233971	https://link.springer.com/journal/42452	https://www.scopus-com-kerala	Article	Yes
Characterization of classes of graphs with large general position number	Thomas E.J.; Chandran S. V U.	Mathematics	AKCE International Journal of Graphs and Combinatorics	2020	9728600	https://www.tandfonline.com/toc/uakc20/current	https://www.scopus-com-kerala	Article	Yes
Citrate functionalized Ag NPs-polyethylene glycol nanocomposite for the sensitive and selective detection of mercury (II) ion, photocatalytic and antimicrobial applications	Kokilavani S.; Syed A.; Raju L.L.; Al-Rashed S.; Elgorban A.M.; Thomas A.M.; Das A.; Sudheerkhan S.	Zoology	Physica E: Low-Dimensional Systems and Nanostructures	2020	13869477	https://www.sciencedirect.com/journal/physica-e-low-dimensional-systems-and-nanostructures	https://www.scopus-com-kerala	Article	Yes
Colorimetric detection of mercury ions from environmental water sample by using 3-(Trimethoxysilyl)propyl methacrylate functionalized Ag NPs-tryptophan nanoconjugate	Balasurya S.; Syed A.; Thomas A.M.; Marraiki N.; Al-Rashed S.; Elgorban A.M.; Raju L.L.; Das A.; Khan S.S.	Zoology	Journal of Photochemistry and Photobiology B: Biology	2020	10111344	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-b-biology	https://www.scopus-com-kerala	Article	Yes
Computing the hull number in Δ -convexity	Anand B.S.; Anil A.; Changat M.; Dourado M.C.; Ramla S.S.	Zoology	Theoretical Computer Science	2020	3043975	https://www.sciencedirect.com/journal/theoretical-computer-science	Scopus - Document details - Δ -C	Article	Yes
Cytotoxicological evaluation of copper oxide nanoparticles on green algae, bacteria and crustacean systems	Janani B.; Al Farraj D.A.; Raju L.L.; Elshikh M.S.; Alkubaisi N.A.; Thomas A.M.; Das A.; Sudheer Khan S.	Zoology	Journal of Environmental Health Science and Engineering	2020	2052336X	https://link.springer.com/journal/40201	https://www.scopus-com-kerala	Article	Yes
Density functional theory, spectroscopic and hydrogen bonding analysis of fenoxycarb-water complexes	Anju, LS; Aruldhas, D; Joe, IH; Balachandran, S	Physics	JOURNAL OF MOLECULAR STRUCTURE	2020	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Scien	Article	Yes
Effect of annealing temperature in the emission properties of nanocrystalline $\text{CaZr}_{0.9}\text{SmxDy}_{0.1-x}\text{O}_3$ systems prepared via self-propagating combustion synthesis	Venugopal M.; Kumar H.P.; Satheesh R.; Jayakrishnan R.	Biotechnology	Physics Letters, Section A: General, Atomic and Solid State Physics	2020	3759601	https://www.sciencedirect.com/journal/physics-letters-a	https://www.scopus-com-kerala	Article	Yes
Effect of solvents on the nonlinear optical behavior and spectral findings of bis [4-(dimethylamino) phenyl] methaniminium chloride	Sreenath M.C.; Hubert Joe I.; Rastogi V.K.	Physics	Chemical Physics Letters	2020	92614	https://www.sciencedirect.com/journal/chemical-physics-letters	https://www.scopus-com-kerala	Article	Yes

Enhanced SPR signals based on methylenediphosphonic acid functionalized Ag NPs for the detection of Hg(II) in the presence of an antioxidant glutathione	Janani B.; Syed A.; Thomas A.M.; Marraiki N.; Al-Rashed S.; Elgorban A.M.; Raju L.L.; Das A.; Khan S.S.	Zoology	Journal of Molecular Liquids	2020	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus-com-kerala	Article	yes
Experimental and computational approach on p-toluenesulfonamide and its derivatives	Daniel A.B.; Aruldhas D.; Joe I.H.; Arun Sasi B.S.	Physics	Journal of Molecular Structure	2020	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Experimental and theoretical investigation of linear and nonlinear optical properties of ethyl-3-hydroxy-2-naphthoate azo dyes by solvatochromic, computational aspects, and Z-scan technique	Yadav S.B.; Taware S.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	Journal of Physical Organic Chemistry	2020	8943230	https://www.sciencedirect.com/org/journal/journal-of-physical-organic-chemistry	https://www.scopus-com-kerala	Article	Yes
Experimental and theoretical spectroscopic analysis, hydrogen bonding, reduced density gradient and antibacterial activity study on 2-Phenyl quinoline alkaloid	Priscilla J.; Arul Dhas D.; Hubert Joe I.; Balachandran S.	Physics	Chemical Physics	2020	3010104	https://www.sciencedirect.com/journal/chemical-physics	https://www.scopus-com-kerala	Article	Yes
Facile synthesis of Ag/Cu-cellulose nanocomposite for detection, photocatalysis and anti-microbial applications	Kokilavani S.; Syed A.; Thomas A.M.; Elgorban A.M.; Raju L.L.; Das A.; Khan S.S.	Zoology	Optik	2020	304026	https://www.sciencedirect.com/journal/optik	https://www.scopus-com-kerala	Article	Yes
Facile synthesis of SnO ₂ /NiO nano-composites: Structural, magnetic and catalytic properties	Suvith V.S.; Devu V.S.; Philip D.	Physics	Ceramics International	2020	2728842	https://www.sciencedirect.com/journal/ceramics-international	https://www.scopus-com-kerala	Article	Yes
Ferrocenyl chalcone derivative (E)-3-(2-methylpyrimidin-5-yl)-1-ferrocenylprop-2-en-1-one: Synthesis, Structural analysis, Docking study and their Antibacterial evaluation	Twinkle A.R.; Leenaraj D.R.; Ratkovic Z.; Arunsasi B.S.; Bright K.C.; Reshma R.	Physics	Journal of Molecular Structure	2020	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Growth, Z-scan and density functional theoretical study for investigating the nonlinear optical properties of guanidinium L-glutamate for optical limiting applications	Rajan R.V.; George M.; Leenaraj D.R.; Ittyachan R.; Sajan D.; Vinitha G.	Physics	Journal of Molecular Structure	2020	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
GST as a strategy of avoiding Tax Leakage	VINAYAK J R	Commerce (SF)	Studies in Indian Place Names Volume 40, special issue	2020	2394-3114	https://www.tpsindia.org	Journal Paper Format (tpsindia)	Article	yes
Highly selective and effective environmental mercuric ion detection method based on starch modified Ag NPs in presence of glycine	Janani B.; Syed A.; Raju L.L.; Marraiki N.; Elgorban A.M.; Zaghoul N.S.S.; Thomas A.M.; Das A.; Khan S.S.	Zoology	Optics Communications	2020	304018	https://www.sciencedirect.com/journal/optics-communications	https://www.scopus-com-kerala	Article	Yes

Highly selective and sensitive tool for the detection of Hg(II) using 3-(Trimethoxysilyl) propyl methacrylate functionalized Ag-Ce nanocomposite from real water sample	Kokilavani S.; Syed A.; Raju L.L.; Marraiki N.; Al-Rashed S.; Elgorban A.M.; Thomas A.M.; Khan S.S.	Zoology	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2020	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala	Article	Yes
Highly sensitive and selective colorimetric detection of arginine by polyvinylpyrrolidone functionalized silver nanoparticles	Balasurya S.; Syed A.; Thomas A.M.; Bahkali A.H.; Elgorban A.M.; Raju L.L.; Khan S.S.	Zoology	Journal of Molecular Liquids	2020	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus-com-kerala	Article	Yes
Ionic conduction properties of nanocrystalline Er ₂ Ti ₂ O ₇ functional material	Sandeep K.	Physics	Semiconductor Physics, Quantum Electronics and Optoelectronics	2020	15608034	https://www.journal-spqeo.org.ua/	https://www.scopus-com-kerala	Article	Yes
Iron assisted formation of CO ₂ over condensed CO and its relevance to interstellar chemistry	Methikkalam, RRJ; Ghosh, J; Bhui, RG; Bag, S; Ragupathy, G; Pradeep, T	Chemistry	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2020	1463-9076	https://www.rsc.org/journals-books-databases/about-journals/pccp/	View Full Record in Web of Science	Article	Yes
Linear and NLO Properties of Functional Group and Position Isomers of Azo and Azomethine: Comparative Photophysical-Electrochemical Properties, Z-Scan and DFT Studies	Mishra V.R.; Ghanavatkar C.W.; Sharma S.; Premarani A.; Mathew E.; Joe I.H.; Sekar N.	Physics	ChemistrySelect	2020	23656549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656550	https://www.scopus-com-kerala	Article	Yes
Molecular docking, photocatalytic activity and biomedical investigations of some metal complexes	John L.; Joseyphus R.S.; Joe I.H.	Chemistry	Journal of Biomolecular Structure and Dynamics	2020	7391102	https://www.tandfonline.com/journals/tbsd20	https://www.scopus-com-kerala	Article	Yes
Molecular structure, vibrational spectra and density functional theory of the spiro-conjugated anticancer active molecule rubrocurcumin	Aruldhas D.; John J.; Balachandran S.; Joe I.H.	Physics	Spectroscopy Letters	2020	387010	https://www.tandfonline.com/journals/lstl21	https://www.scopus-com-kerala	Article	Yes
NLO characteristics of D-π-A coumarin-thiophene bridged azo dyes by Z-scan and DFT methods	Ayare N.N.; Sreenath M.C.; Chitrabalam S.; Joe I.H.; Sekar N.	Physics	Molecular Physics	2020	268976	https://www.tandfonline.com/journals/tmph20	https://www.scopus-com-kerala	Article	Yes
Optical, magnetic, electrical, and chemo-catalytic properties of bio-synthesized CuO/NiO nanocomposites	Arun L.; Karthikeyan C.; Philip D.; Unni C.	Physics	Journal of Physics and Chemistry of Solids	2020	223697	https://www.sciencedirect.com/journal/journal-of-physics-and-chemistry-of-solids	https://www.scopus-com-kerala	Article	Yes
Polyethylene glycol functionalised Ag NPs based optical probe for the selective and sensitive detection of Hg(II)	Kokilavani S.; Syed A.; Thomas A.M.; Marraiki N.; Al-Rashed S.; Elgorban A.M.; Raju L.L.; Das A.; Khan S.S.	Zoology	Journal of Molecular Liquids	2020	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus-com-kerala	Article	Yes

Preparation of Ag-cellulose nanocomposite for the selective detection and quantification of mercury at nanomolar level and the evaluation of its photocatalytic performance	Balasurya S.; Syed A.; Thomas A.M.; Bahkali A.H.; Al-Rashed S.; Elgorban A.M.; Raju L.L.; Das A.; Khan S.S.	Zoology	International Journal of Biological Macromolecules	2020	1418130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.scopus-com-kerala	Article	Yes
Quantum chemical insight into molecular structure, spectroscopic (FT-IR, FT-Raman, UV-vis, NMR), and molecular docking of 3,5-di-tert-butyl-2-hydroxybenzaldehyde	Jenepha Mary S.J.; James C.; Shyni V.	Physics	Chemical Data Collections	2020	24058300	https://www.sciencedirect.com/journal/chemical-data-collections	https://www.scopus-com-kerala	Article	Yes
Rapid colorimetric and spectroscopy based sensing of mercury by surface functionalized silver nanoparticles in the presence of tyrosine	Balasurya S.; Ahmad P.; Thomas A.M.; Raju L.L.; Das A.; Sudheer Khan S.	Zoology	Optics Communications	2020	304018	https://www.sciencedirect.com/journal/optics-communications	https://www.scopus-com-kerala	Article	Yes
Rapid colorimetric detection of mercury using silver nanoparticles in the presence of methionine	Balasurya S.; Syed A.; Thomas A.M.; Marraiki N.; Elgorban A.M.; Raju L.L.; Das A.; Khan S.S.	Zoology	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2020	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala	Article	Yes
Red Emitting Hydroxybenzazole (HBX) Based Azo Dyes: Linear and Non Linear Optical Properties, Optical Limiting, Z Scan Analysis with DFT Assessments	Ghanavatkar C.W.; Mishra V.R.; Sharma S.; Mathew E.; Chitrabalam S.; Joe I.H.; Nethi S.N.	Physics	Journal of Fluorescence	2020	10530509	https://link.springer.com/journal/10895	https://www.scopus-com-kerala	Article	Yes
Self-focusing behaviour of dichlorobis(sarcosinato)zinc(II) complex investigated by DFT computations, fluorescence, laser damaged threshold and Z-scan technique	Chitrabalam S.; Abraham S.; Rastogi V.K.; Hubert Joe I.	Physics	Chemical Physics Letters	2020	92614	https://www.sciencedirect.com/journal/chemical-physics-letters	https://www.scopus-com-kerala	Article	Yes
Sensitive and robust colorimetric assay for the detection of Hg ²⁺ at nanomolar level from real samples by TMPM functionalized Ag-Fe NCs and its photocatalytic and antimicrobial activities	Balasurya, S; Al Farraj, DA; Thomas, AM; Alkubaisi, NA; Raju, LL; Das, A; Khan, SS	Zoology	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2020	2213-2929	https://sciencedirect.com/journal/journal-of-environmental-chemical-engineering	View Full Record in Web of Science	Article	Yes
Solution of nonlinear fourth order boundary value problems by shooting type differential transform algorithm	Sudha G.; Sivakumar T.R.; Dilip D.S.	Mathematics	Advances in Mathematics: Scientific Journal	2020	18578365	https://www.research-publication.com/amsj/	https://www.scopus-com-kerala	Article	Yes
Solution of nonlinear second order multi-point boundary value problems by shooting type differential transform algorithm	George S.; Sivakumar T.R.; Dilip D.S.	Mathematics	Advances in Mathematics: Scientific Journal	2020	18578365	https://www.research-publication.com/amsj/	https://www.scopus-com-kerala	Article	Yes
Spectroscopic, DFT and Z-scan approach to study linear and nonlinear optical properties of Disperse Red 277	Shinde S.S.; Sreenath M.C.; Chitrabalam S.; Joe I.H.; Sekar N.		Optical Materials	2020	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Spectroscopic, quantum chemical, QTAIM analysis, molecular dynamics simulation, docking studies and solvent effect of pyridin-2-yl oxyacetic acid herbicide and its derivatives	Suma N.; Aruldas D.; Joe I.H.; Anuf A.R.; Arun Sasi B.S.	Physics	Journal of Molecular Structure	2020	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes

Spectroscopic, quantum mechanical and docking studies on organochlorine insecticides by density functional theory	Anju, LS; Aruldas, D; Joe, IH; John, NL	Physics	JOURNAL OF MOLECULAR STRUCTURE	2020	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Science	Article	Yes
Stirring-ageing technique to develop zirconium-pillared bentonite clay along with its surface profiling using various spectroscopic techniques	Mahadevan H.; Anoop Krishnan K.; Pillai R.R.; Sudhakaran S.	Chemistry	Research on Chemical Intermediates	2020	9226168	https://link.springer.com/journal/11164	https://www.scopus-com-kerala	Article	Yes
Structural analysis, NLO activity and Hirshfeld surfaces of DL-cysteinium semioxalate crystal	Suma, VK; Aruldas, D; Joe, IH; John, NL	Physics	JOURNAL OF MOLECULAR STRUCTURE	2020	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Science	Article	Yes
Structural, spectroscopic and O-H...O hydrogen bonding interaction on monomer and dimer form of hydroxy phenoxy acetic acid derivatives by experimental and computational techniques	Bell, CCW; Aruldas, D; Balachandran, S; Joe, IH; Masand, VHV	Physics	JOURNAL OF MOLECULAR STRUCTURE	2020	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Science	Article	Yes
Structure and properties of pure and zirconium substituted nanocrystalline samarium titanate	Sandeep K.; Thomas J.K.; Solomon S.	Physics	Materials Science and Engineering: B	2020	9215107	https://www.sciencedirect.com/journal/materials-science-and-engineering-b	https://www.scopus-com-kerala	Article	Yes
Synthesis of Carbon Stabilized Zinc Oxide Nanoparticles and Evaluation of Its Photocatalytic, Antibacterial and Anti-biofilm Activities	Janani B.; Syed A.; Raju L.L.; Al-Harathi H.F.; Thomas A.M.; Das A.; Khan S.S.	Zoology	Journal of Inorganic and Organometallic Polymers and Materials	2020	15741443	https://link.springer.com/journal/10904	https://www.scopus-com-kerala	Article	Yes
Synthesis of CTAB functionalized MnS/PVP-Ag nanocomposite for Hg ²⁺ detection, photocatalysis and antibacterial application	Janani R.; Rubashree M.; Kumar B.H.; Syed A.; Thomas A.M.; Elgorban A.M.; Raju L.L.; Khan S.S.	Zoology	Optical Materials	2020	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Synthesis of nanostructured CeO ₂ by chemical and biogenic methods: Optical properties and bioactivity	Rajan A.R.; Vilas V.; Rajan A.; John A.; Philip D.	Physics	Ceramics International	2020	2728842	https://www.sciencedirect.com/journal/ceramics-international	https://www.scopus-com-kerala	Article	Yes
Synthesis, characterization and photoluminescent properties of Sm ³⁺ /Dy ³⁺ doped strontium zirconate perovskites	Venugopal M.; Kumar H.P.; Jayakrishnan R.	Physics	Journal of Electroceramics	2020	13853449	https://link.springer.com/journal/10832	https://www.scopus-com-kerala	Article	Yes
Tannic acid mediated synthesis of nanostructured NiO and SnO ₂ for catalytic degradation of methylene blue	Suvith V.S.; Devu V.S.; Philip D.	physics	Optical and Quantum Electronics	2020	3068919	https://link.springer.com/journal/11082	https://www.scopus-com-kerala	Article	Yes
The Effect of Various Capping Agents on Surface Modifications of CdO NPs and the Investigation of Photocatalytic Performance, Antibacterial and Anti-biofilm Activities	Janani B.; Gayathri G.; Syed A.; Raju L.L.; Marraiki N.; Elgorban A.M.; Thomas A.M.; Khan S.S.	Zoology	Journal of Inorganic and Organometallic Polymers and Materials	2020	15741443	https://link.springer.com/journal/10904	https://www.scopus-com-kerala	Article	Yes
Tunable Release of Combined Contraceptive Steroids from Core-shell Gelatin/PCL Fibers	Nisha U.; Merline C.; Ragupathy L.; Painuly D.	Chemistry	Fibers and Polymers	2020	12299197	https://link.springer.com/journal/12221	https://www.scopus-com-kerala	Article	Yes
UV-vis spectroscopic method for the sensitive and selective detection of mercury by silver nanoparticles in presence of alanine	Janani B.; Syed A.; Thomas A.M.; Bahkali A.H.; Elgorban A.M.; Raju L.L.; Khan S.S.	Zoology	Optik	2020	304026	https://www.sciencedirect.com/journal/optik	https://www.scopus-com-kerala	Article	Yes

Vibrational spectra, hydrogen bonding analysis and herbicidal activity study of mefenacet: A DFT approach	Suma N.; Aruldas D.; Hubert Joe I.; Balachandran S.; Anuf A.R.; Sasi A.; George J.	Physics	Journal of Molecular Structure	2020	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Z-scan and DFT approach for investigating the NLO properties of imidazole fused anthraquinone dyes	Ayare N.N.; Ghanavatkar C.; Sreenath M.C.; Chitrambalam S.; Joe I.H.; Sekar N.	Physics	Journal of Photochemistry and Photobiology A: Chemistry	2020	10106030	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-a-chemistry	https://www.scopus-com-kerala	Article	Yes
Zwitterion-chitosan bed for the simultaneous immobilization of Zn(II), Cd(II), Pb(II) and Cu(II) from multi-metal aqueous systems	Dev V.V.; Baburaj G.; Antony S.; Arun V.; Krishnan K.A.	Chemistry	Journal of Cleaner Production	2020	9596526	https://www.sciencedirect.com/journal/journal-of-cleaner-production	https://www.scopus-com-kerala	Article	Yes
A simple approach for the synthesis of bi-functional p-n type ZnO@CuFe2O4 heterojunction nanocomposite for photocatalytic and antimicrobial application	Janani B.; Syed A.; Thomas A.M.; Al-Rashed S.; Elgorban A.M.; Raju L.L.; Khan S.S.	Zoology	Physica E: Low-Dimensional Systems and Nanostructures	2021	13869477	https://www.sciencedirect.com/journal/physica-e-low-dimensional-systems-and-nanostructures	https://www.scopus-com-kerala	Article	Yes
Al-doped zinc ferrite nanoparticles: Preparation and evaluation of thermal, structural, morphological and anticancer properties	Jyothish B.; Jacob J.	Physics	Journal of Alloys and Compounds	2021	9258388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus-com-kerala	Article	Yes
Anticancer activity of indapamide adsorbed on gold nanoparticles: DFT, in-silico, and in-vitro analysis	Shyni V.; Leenaraj D.R.; Ittyachan R.; Joseph L.; Sajan D.	Physics	Journal of Molecular Recognition	2021	9523499	https://onlinelibrary.wiley.com/journal/10991355	https://www.scopus-com-kerala	Article	Yes
Anticancer potential of Annona genus: A detailed review	Amala Dev A.R.; Joseph S.M.	Chemistry	Journal of the Indian Chemical Society	2021	194522	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://www.scopus-com-kerala	Review	Yes
Chemistry of Amomum essential oils	Sabulal N.; Baby S.	Chemistry	Journal of Essential Oil Research	2021	10412905	https://www.tandfonline.com/journals/tjeo20	https://www.scopus-com-kerala	Article	Yes
Chitosan capped Ag/NIS nanocomposites: A novel colorimetric probe for detection of L-cysteine at nanomolar level and its anti-microbial activity	Kumar B.H.; Okla M.K.; Abdelmaksoud M.A.; Al-Qahtani W.H.; AbdElgawad H.; Altukhayfi M.S.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	International Journal of Biological Macromolecules	2021	1418130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.scopus-com-kerala	Article	Yes
Construction of nano-heterojunction AgFeO2-ZnO for boosted photocatalytic performance and its antibacterial applications	Janani, B; Al-Kheraif, AA; Thomas, AM; Syed, A; Elgorban, AM; Raju, LL; Das, A; Khan, SS	Zoology	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2021	1369-8001	https://www.sciencedirect.com/journal/materials-science-in-semiconductor-processing	View Full Record in Web of Scien	Article	Yes

Cross-conjugated ferrocenyl derivative furan-2-yl-(ferrocenyl)methanone: synthesis, structural analysis, docking and antibacterial evaluation	Twinkle A.R.; Leenaraj D.R.; Zoran R.; Arunsasi B.S.; Bright K.C.; Reshma R.; Praveen V.N.	physics	Spectroscopy Letters	2021	387010	https://www.tandfonline.com/journals/ltst20	https://www.scopus-com-kerala	Article	Yes
Crosslinked chitosan-montmorillonite biocomposite with Fe intercalation: Enhancing surface chemistry for improved phosphate adsorption	Sudhakaran S.; Abraham E.V.; Mahadevan H.; Krishnan K.A.	Chemistry	Surfaces and Interfaces	2021	24680230	https://www.sciencedirect.com/journal/surfaces-and-interfaces	https://www.scopus-com-kerala	Article	Yes
Designing spinel NiCr2O4 loaded Bi2O3 semiconductor hybrid for mitigating the charge recombination and tuned band gap for enhanced white light photocatalysis and antibacterial applications	Janani B.; Syed A.; Thomas A.M.; Al-Rashed S.; Raju L.L.; Khan S.S.	Zoology	Journal of Alloys and Compounds	2021	9258388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus-com-kerala	Article	Yes
Development of multifunctional Cu sensitized Ag-dextran nanocomposite for selective and sensitive detection of mercury from environmental sample and evaluation of its photocatalytic and antimicrobial applications	Kokilavani S.; Syed A.; Thomas A.M.; Elgorban A.M.; Bahkali A.H.; Marraiki N.; Raju L.L.; Das A.; Khan S.S.	Zoology	Journal of Molecular Liquids	2021	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus-com-kerala	Article	Yes
Development of silver-polyvinylpyrrolidone nanocomposite for the selective and sensitive detection of sulfide from aqueous sample and its antimicrobial activity	Balasurya S.; Syed A.; Thomas A.M.; Marraiki N.; Elgorban A.M.; Raju L.L.; Khan S.S.	Zoology	Materials Chemistry and Physics	2021	2540584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://www.scopus-com-kerala	Article	Yes
Elucidation of photocatalysis, photoluminescence and antibacterial studies of Ag2MoO4 decorated NiMoO4 nano-heterostructure	Balasurya S.; Syed A.; Raju L.L.; Al-Rashed S.; Thomas A.M.; Das A.; Khan S.S.	Zoology	Optical Materials	2021	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Emergence of fifth-order optical nonlinearity in 2-(2-Quinoly)-1,3-indandione with strong third-order nonlinear effect under low power CW laser excitation	Primsa I.P.; Sreenath M.C.; Anandakumar V.M.; Hubert Joe I.	Physics	Chemical Physics Letters	2021	92614	https://www.sciencedirect.com/journal/chemical-physics-letters	https://www.scopus-com-kerala	Article	Yes
Enhanced visible light driven photocatalytic and antibacterial activities of Ag2WO4 decorated ZnS nanocomposite	Kokilavani S.; Al-Farraj S.A.; Thomas A.M.; El-Serehy H.A.; Raju L.L.; Khan S.S.	Zoology	Ceramics International	2021	2728842	https://www.sciencedirect.com/journal/ceramics-international	https://www.scopus-com-kerala	Article	Yes
Impact of bovine serum albumin - A protein corona on toxicity of ZnO NPs in environmental model systems of plant, bacteria, algae and crustaceans	Janani, B; Raju, LL; Thomas, AM; Alyemeni, MN; Dudin, GA; Wijaya, L; Alsahli, AA; Ahmad, P; Khan, SS	Zoology	CHEMOSPHERE	2021	0045-6535	https://www.sciencedirect.com/journal/chemospere	View Full Record in Web of Scien	Article	Yes
Influence of pyrochlore domains on the structure and electrical properties Gd2-xDyxZr1.5Hf0.5O7 energy materials	Rejith R.S.; Solomon S.	Physics	Journal of Alloys and Compounds	2021	9258388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus-com-kerala	Article	Yes

Integrating Ag ₂ WO ₄ on VS ₄ nanoplates with synergy of plasmonic photocatalysis and boosted visible-light harvesting and its antibacterial applications	Kokilavani S.; Syed A.; Thomas A.M.; Elgorban A.M.; Al-Rashed S.; Raju L.L.; Khan S.S.	Zoology	Journal of Alloys and Compounds	2021	9258388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus-com-kerala	Article	Yes
Investigations of Dianhydro-D-glucitol adsorbed on AuNPs surface: In silico and in vitro approach based on anticancer activity studies against A549 lung cancer cell lines	Shyni V.; Leenaraj D.R.; Joseph L.; Sajjan D.	Physics	Journal of Molecular Recognition	2021	9523499	https://onlinelibrary.wiley.com/journal/10991353	https://www.scopus-com-kerala	Article	Yes
Kavinjar Vairamuthuvin Padaipukalil Pulapadum Ariviyal Saithikal	Dr.K S Anbu Kala	TAMIL	Modern Tamil Research (UGC-Care List)	2021	2321-984X	ISSN 2321-984X (Print) Journal of modern Thamizh research The ISSN Portal	ISSN 2321-984X (Print) Journal	Article	Yes
Near-white light emission from samarium and dysprosium combined doped calcium zirconate spin-coated thick film	Venugopal M.; Padma Kumar H.; Jayakrishnan R.	Physics	Bulletin of Materials Science	2021	2504707	https://link.springer.com/journal/12035	https://www.scopus-com-kerala	Article	Yes
Neoliberal Cricketing Subjects in Contemporary India: The State-Market Dichotomy in Two Cricket Movies	Ramamoorthy R.	English	Rupkatha Journal on Interdisciplinary Studies in Humanities	2021	9752935	https://rupkatha.com/	https://www.scopus-com-kerala	Article	Yes
NLOphoric imidazole-fused fluorescent anthraquinone dyes	Ayare N.N.; Gupta P.O.; Sreenath M.C.; Chitrabalam S.; Joe I.H.; Sekar N.	Physics	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2021	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala	Article	Yes
Non-Linear Optical Properties of Disperse Blue 354 and Disperse Blue183 by DFT and Z-Scan Technique	Shinde S.S.; Sreenath M.C.; Chitrabalam S.; Joe I.H.; Sekar N.	Physics	Polycyclic Aromatic Compounds	2021	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Novel CoWO ₄ -Ag ₂ MoO ₄ NCs: Synthesis, enhanced photocatalytic activity under visible-light irradiation and its antimicrobial activity	Balasurya S.; Alfarraj S.; Raju L.L.; Chinnathambi A.; Alharbi S.A.; Thomas A.M.; Khan S.S.	Zoology	Surfaces and Interfaces	2021	24680230	https://www.sciencedirect.com/journal/surfaces-and-interfaces	https://www.scopus-com-kerala	Article	Yes
Novel NiS/Ag ₂ MoO ₄ heterostructure nanocomposite: Synthesis, characterization and superior antibacterial and enhanced photocatalytic activity	Kokilavani S.; Al-Kheraif A.A.; Thomas A.M.; Syed A.; Elgorban A.M.; Raju L.L.; Das A.; Khan S.S.	Zoology	Physica E: Low-Dimensional Systems and Nanostructures	2021	13869477	https://www.sciencedirect.com/journal/physica-e-low-dimensional-systems-and-nanostructures	https://www.scopus-com-kerala	Article	Yes
Novelkalil Pen Thaiva Sitharipukal	Dr.K S Anbu Kala	TAMIL	Modern Tamil Research (UGC-Care List)	2021	2321-984X	https://www.researchgate.net/publication/349882779_JOURNAL_OF_MODERN_THAMIZH_RESEARCH_ARASAKULATHAR_VIRUTHOMBAL-Part_2_ISSN2321-984X_UGC_Listed_Group-1_Journal_330-337-Vol8_No4_October_-_December-2020		Article	Yes
On independent position sets in graphs	Thomas E.J.; Chandran U.S.V.	Mathematics	Proyecciones	2021	7160917	https://www.revistaproyecciones.cl/	https://www.scopus-com-kerala	Article	Yes

Positional isomers of heterocyclic azo dyes: Investigation of NLO properties by Z-scan and correlative DFT studies	Ghanavatkar C.W.; Mishra V.R.; Ayare N.; Mathew E.; Thomas S.S.; Joe I.H.; Sekar N.	Physics	Journal of the Indian Chemical Society	2021	194522	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://www.scopus-com-kerala	Article	Yes
Protein binding and cytotoxicity activities of glutamine based metal complexes	John L.; Joseyphus R.S.; Dasan A.; Joe I.H.; Vibin M.	Chemistry	Journal of Molecular Structure	2021	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Rectangular p-periodicity and pq-periodicity of a rational difference system	Dilip D.S.; Babu S.C.	Mathematics	Examples and Counterexamples	2021	2666657X	https://www.sciencedirect.com/journal/examples-and-counterexamples	https://www.scopus-com-kerala	Article	Yes
Role of MOOCs in the Cultural Exposure of Under Graduate Students	Deepamol Thomas	Journalism	Global Media Journal	2021	2249-5835	https://gmi.manipal.edu/	https://gmi.manipal.edu/issues/	Article	Yes
Spectroscopic characterization and structural insights of 4,4,4-trifluoro-1-(2-naphthyl)-1,3-butanedione using vibrational, optical, electronic spectra, reduced density gradient and quantum chemical calculations	Jaya Reshmi D.; Marshan Robert H.; Aruldhas D.; Joe I.H.; Balachandran S.	Physics	Journal of Molecular Structure	2021	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Spectroscopic, density functional theoretical study, molecular docking, and in vitro studies based on anticancer activity studies against A549 lung cancer cell line of diphenylhydantoin adsorbed on AuNPs surface	Shyni V.; Leenaraj D.R.; Ittyachan R.; Joseph L.; Sajan D.	Physics	Journal of Molecular Recognition	2021	9523499	https://onlinelibrary.wiley.com/journal/10991354	https://www.scopus-com-kerala	Article	Yes
Spectroscopic, electron localization function, chemical reactivity and antihypertensive activity study on hordenine alkaloid by density functional theory approach	Priscilla J.; Dhas D.A.; Hubert Joe I.; Balachandran S.	Physics	Journal of Molecular Structure	2021	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Spinel FeV2O4 coupling on nanocube-like Bi2O3 for high performance white light photocatalysis and antibacterial applications	Janani B.; Swetha S.; Syed A.; Elgorban A.M.; Zaghoul N.S.S.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	Journal of Alloys and Compounds	2021	9258388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus-com-kerala	Article	Yes
Stability analysis of a time varying population model without migration	Dilip D.S.; Mathew S.M.	Mathematics	Journal of Difference Equations and Applications	2021	10236198	https://www.tandfonline.com/toc/gdea20/current	https://www.scopus-com-kerala	Article	Yes
Synthesis and characterizations of hybrid PEG-Fe3O4 nanoparticles for the efficient adsorptive removal of dye and antibacterial, and antibiofilm applications	Janani B.; Al-Mohaimeed A.M.; Raju L.L.; Al Farraj D.A.; Thomas A.M.; Khan S.S.	Zoology	Journal of Environmental Health Science and Engineering	2021	2052336X	https://link.springer.com/journal/40201	https://www.scopus-com-kerala	Article	Yes
Synthesis of CeO2 nanostructures with its exceptional biological and chemocatalytic activities: a comparative study	Rajan A.R.; Vilas V.; Rajan A.; John A.; Phillip D.	Physics	Bulletin of Materials Science	2021	2504707	https://link.springer.com/journal/12034	https://www.scopus-com-kerala	Article	Yes
Synthesis of novel heterostructured FeS2/Ag2MoO4 nanocomposite: Characterization, efficient antibacterial and enhanced visible light driven photocatalytic activity	Kokilavani S.; Syed A.; Raju L.L.; Al-Rashed S.; Elgorban A.M.; Thomas A.M.; Khan S.S.	Zoology	Surfaces and Interfaces	2021	24680230	https://www.sciencedirect.com/journal/surfaces-and-interfaces	https://www.scopus-com-kerala	Article	Yes

Thiruvaimozhi kuripidum Thiruvananmuzhain perumaikalum sadankukalum	Dr.K S Anbu Kala	TAMIL	Modern Tamil Research (UGC - Care List)	2021	2321-984X	https://www.researchgate.net/publication/349882779_JOURNAL_OF_MODERN_THAMIZH_RESEARCH_ARASAKULATHAR_VIRUTHOMBAL-CH_Part_2_ISSN2321-984X_UGC_Listed_Group-I_Journal_330-337- Vol8 No4 October - December-2020	https://www.researchgate.net/	Article	Yes
Thuraivan Novel pulapaduthum Meenava Makalun Valviyal Muraikal	Dr.K S Anbu Kala	TAMIL	Sarvadesa Tamil Aivithazl (UGC-Care List)	2021	2321-984X	Aazhi International Journal of Tamil Literature Studies (aijtls.com)	Aazhi International Journal of Tamil Literature Studies (aijtls.com)	Article	Yes
Tunable blue-yellow and orange-red emissions from Dysprosium and Samarium doped SrCeO3 perovskite systems	Venugopal M.; Kumar H.P.; Jayakrishnan R.	Physics	Journal of Solid State Chemistry	2021	224596	https://www.sciencedirect.com/journal/journal-of-solid-state-chemistry	https://www.scopus-com-kerala.com/	Article	Yes
Ultrafast nonlinear optical properties of cyclohexenone carboxylate derivatives and their application as organic saturable absorbers	Rashmi M.; Indira J.; Sarojini B.K.; Mohan B.J.; Joe I.H.; Aswathy P.	Physics	Optics and Laser Technology	2021	303992	https://www.sciencedirect.com/journal/optics-and-laser-technology	https://www.scopus-com-kerala.com/	Article	Yes
A prominent dual heterojunction framed CuWO4/Bi2WO6/MnS ternary NCs for parachlorophenol degradation, Cr(VI) reduction & toxicity studies	Subhiksha V.; Okla M.K.; Alaraidh I.A.; Mohebalidin A.; Soufan W.; Abdel-Maksoud M.A.; Abdelaziz R.F.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	Chemosphere	2022	456535	https://www.sciencedirect.com/journal/chemosphere	https://www.scopus-com-kerala.com/	Article	Yes
Ag decorated CoO NPs supported on chitosan matrix for colorimetric detection of L-cysteine, antibacterial application and photocatalytic reduction of hexavalent chromium ions	Okla M.K.; Kokilavani S.; Mohebalidin A.; Thomas A.M.; Soufan W.; Abdel-Maksoud M.A.; AbdElgawad H.; Raju L.L.; Khan S.S.	Zoology	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2022	9277757	https://www.sciencedirect.com/journal/colloids-and-surfaces-a-physicochemical-and-engineering-aspects	https://www.scopus-com-kerala.com/	Article	Yes
AgO decorated Cr2S3 NPs embedded on PVP matrix: A colorimetric probe for selective and rapid detection of sulphide ions from environmental samples	Kokilavani S.; Syed A.; Thomas A.M.; Elgorban A.M.; Bahkali A.H.; Zaghoul N.S.S.; Raju L.L.; Sudheer Khan S.	Zoology	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2022	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala.com/	Article	Yes
Antimicrobial, photocatalytic action and molecular docking studies of imidazole-based Schiff base complexes	Selwin Joseyphus R.; Reshma R.; Arish D.; Elumalai V.	Chemistry	Results in Chemistry	2022	22117156	https://www.sciencedirect.com/journal/results-in-chemistry	https://www.scopus-com-kerala.com/	Article	Yes
Bacterial bioactive metabolites as therapeutic agents: From production to action	Arun K.B.; Sindhu R.; Alex D.; Binod P.; Pughazhendi A.; Joseph T.C.; Pandey A.; Kuddus M.; Pillai S.; Emmanuel S.; Awasthi M.K.; Madhavan A.	Biotechnology	Sustainable Chemistry and Pharmacy	2022	23525541	https://www.sciencedirect.com/journal/sustainable-chemistry-and-pharmacy	https://www.scopus-com-kerala.com/	Article	Yes

Contouring the "Excesses":Body Politics and Disputable Depictions in Mollywood.	Rani Alex	English	Littcrit (Accepted for Publication)	2022	0970-8049	http://www.littcrit.org/index.html	Littcrit Journal: Home Page	Article	Yes
CuO loaded ZnS nanoflower entrapped on PVA-chitosan matrix for boosted visible light photocatalysis for tetracycline degradation and anti-bacterial application	Janani B.; Okla M.K.; Abdel-Maksoud M.A.; AbdElgawad H.; Thomas A.M.; Raju L.L.; Al-Qahtani W.H.; Khan S.S.	Zoology	Journal of Environmental Management	2022	3014797	https://www.sciencedirect.com/journal/journal-of-environmental-management	https://www.scopus-com-kerala	Article	Yes
Density functional theoretical study, spectroscopic characterization and molecular docking of the diuretic drug, spironolactone, adsorbed on AuNPs surface and in-vitro studies based on anticancer activity studies against A549 lung cancer cell line	Shyni V.; Leenaraj D.R.; Ittyachan R.; Rajan R.V.; Shyju G.J.; Joseph L.; Sajjan D.	Physics	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2022	9277757	https://www.sciencedirect.com/journal/colloids-and-surfaces-a-physicochemical-and-engineering-aspects	https://www.scopus-com-kerala	Article	Yes
Designing intimate porous Al ₂ O ₃ decorated 2D CdO nano-heterojunction as enhanced white light driven photocatalyst and antibacterial agent	Janani B.; Syed A.; Raju L.L.; Bahkali A.H.; Al-Rashed S.; Elgorban A.M.; Ahmed B.; Thomas A.M.; Khan S.S.	Zoology	Journal of Alloys and Compounds	2022	9258388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus-com-kerala	Article	Yes
Designing novel MgFe ₂ O ₄ coupled V ₂ O ₅ nanorod for synergetic photodegradation of tetracycline with enhanced visible-light energy harvesting: Photoluminescence, kinetics, intrinsic mechanism and bactericidal effect	Janani B.; Okla M.K.; Al-Amri S.S.; Mohebaldin A.; Alwaseel Y.A.; AbdElgawad H.; Abdel-Maksoud M.A.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	Chemosphere	2022	456535	https://www.sciencedirect.com/journal/chemosphere	https://www.scopus-com-kerala	Article	Yes
Different Coating Methods of Titanium Dioxide on Metal Substrates for Orthopedic and Dental Applications: A Review	Mathai S.; Shaji P.S.	Chemistry	Asian Journal of Chemistry	2022	9707077	https://asianpubs.org/index.php/ajchem	https://www.scopus-com-kerala	Review	Yes
Double Z-Scheme ZnCo ₂ O ₄ /MnO ₂ /FeS ₂ photocatalyst with enhanced photodegradation of organic compound: Insights into mechanisms, kinetics, pathway and toxicity studies	Subhiksha V.; Alatar A.A.; Okla M.K.; Alaraidh I.A.; Mohebaldin A.; Aufy M.; Abdel-Maksoud M.A.; Raju L.L.; Thomas A.M.; Khan S.S.	Zoology	Chemosphere	2022	456535	https://www.sciencedirect.com/journal/chemosphere	https://www.scopus-com-kerala	Article	Yes
Dynamics of interspecific k species competition model	Mathew S.M.; Dilip D.S.	Mathematics	Journal of Interdisciplinary Mathematics	2022	9720502	https://www.tandfonline.com/journals/tjim20	https://www.scopus-com-kerala	Article	Yes

Efficient photocatalytic degradation of methyl orange and malachite green by Ag ₃ PO ₄ decorated BiOBr nanoflower under visible light: Performance evaluation, mechanism insights and toxicology of the by-products	Kokilavani S.; Alaraidh I.A.; Okla M.K.; Chandran P.; Mohebaldin A.; Soufan W.; AL-ghamdi A.A.; Abdel-Maksoud M.A.; AbdElgawad H.; Thomas A.M.; Raju L.L.; Sudheer Khan S.	Zoology	Journal of Alloys and Compounds	2022	9258388	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus-com-kerala	Article	Yes
Fabrication of Ag-ZnCo ₂ O ₄ framework on chitosan matrix for discriminative dual mode detection of S ₂ -ions and cysteine, and cyto-toxicological evaluation	Balasurya S.; Okla M.K.; Abdel-maksoud M.A.; Ahamad S.R.; Almasoud F.; AbdElgawad H.; Thomas A.M.; Raju L.L.; Sudheer Khan S.	Zoology	Journal of Molecular Liquids	2022	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus-com-kerala	Article	Yes
Fabrication of MnFe ₂ O ₄ spheres modified CeO ₂ nano-flakes for sustainable photodegradation of MB dye and antimicrobial activity: A brief computational investigation on reactive sites and degradation pathway	Okla M.K.; Harini G.; Dawoud T.M.; Akshayya C.; Mohebaldin A.; AL-ghamdi A.A.; Soufan W.; Abdel-Maksoud M.A.; AbdElgawad H.; Raju L.L.; Thomas A.M.; Sudheer Khan S.	Zoology	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2022	9277757	https://www.sciencedirect.com/journal/colloids-and-surfaces-a-physicochemical-and-engineering-aspects	https://www.scopus-com-kerala	Review	Yes
Graphitic carbon nitride embedded Ni ₃ (VO ₄) ₂ /ZnCr ₂ O ₄ Z-scheme photocatalyst for efficient degradation of p-chlorophenol and 5-fluorouracil, and genotoxic evaluation in Allium cepa	Swedha M.; Alatar A.A.; Okla M.K.; Alaraidh I.A.; Mohebaldin A.; Auffy M.; Raju L.L.; Thomas A.M.; Abdel-Maksoud M.A.; Sudheer Khan S.	Zoology	Journal of Industrial and Engineering Chemistry	2022	1226086X	https://www.sciencedirect.com/journal/journal-of-industrial-and-engineering-chemistry	https://www.scopus-com-kerala	Article	Yes
Green synthesis of two-electron centre based ZnO/NiCo ₂ S ₄ QDs-OVs using Punica granatum fruit peel extract for an exceptional visible light photocatalytic degradation of doxycycline and ciprofloxacin	Swedha M.; Okla M.K.; Al-amri S.S.; Alaraidh I.A.; AL-ghamdi A.A.; Mohebaldin A.; Abdel-Maksoud M.A.; Auffy M.; Studenik C.R.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	Chemosphere	2022	456535	https://www.sciencedirect.com/journal/chemosphere	https://www.scopus-com-kerala	Article	Yes
Heterocyclic ligated Co(II), Ni(II), Cu(II) and Zn(II) complexes for efficient photocatalytic and biological applications	Joseyphus R.S.; Reshma R.; Arish D.	Chemistry	Indian Journal of Chemistry (IJC)	2022	25831321	http://op.niscpr.res.in/index.php/IJC	https://www.scopus-com-kerala	Article	Yes

High performing p-n system of CaFe ₂ O ₄ coupled ZnO for synergetic degradation of Rhodamine B with white-light photocatalysis and bactericidal action	Janani B.; Al-amri S.S.; Okla M.K.; Mohebaldin A.; Soufan W.; Almunqedhi B.; Abdel-Maksoud M.A.; AbdElgawad H.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	Journal of the Taiwan Institute of Chemical Engineers	2022	18761070	https://www.sciencedirect.com/journal/journal-of-the-taiwan-institute-of-chemical-engineers	https://www.scopus-com-kerala	Article	Yes
Influence of structural variation on the optical properties of Y _{2-x} Sm _x Mo ₃ O ₁₂ phosphors	Satheesh R.; Venugopal M.; Kumar H.P.	Physics	Journal of Materials Science: Materials in Electronics	2022	9574522	https://link.springer.com/journal/10857	https://www.scopus-com-kerala	Article	Yes
Influence of the Ag ¹⁺ and Co ²⁺ doping on structural, optical and anti-cancer properties of ZnFe ₂ O ₄ nanoparticles synthesized by co-precipitation method	Jyothish B.; Geethu U.S.; Jacob J.	Physics	Materials Science and Engineering: B	2022	9215107	https://www.sciencedirect.com/journal/materials-science-and-engineering-b	https://www.scopus-com-kerala	Article	Yes
Insights into photocatalytic mechanism for the rational design of p-n heterojunction by decorating mesoporous SnS ₂ over ZnFe ₂ O ₄ nanocomposite for accelerated visible light photocatalysis	Akshhayya C.; K. Okla M.; M. Thomas A.; A. AL-ghamdi A.; A. Abdel-Maksoud M.; Almunqedhi B.; AbdElgawad H.; Raju L.L.; Khan S.S.	Zoology	Materials Chemistry and Physics	2022	2540584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://www.scopus-com-kerala	Article	Yes
Multifunctional Na-enriched Ni-Fe/Ni-P plates for highly efficient photo- and electrocatalytic water splitting reactions	Anantha Krishnan A.; M. A. A.K.; Nair R.B.; Sivaraj R.; Lamiya A.; Jishnu P.K.; Kurian S.; Mathew T.; Ameen Sha M.; Arun P.S.	Chemistry	New Journal of Chemistry	2022	11440546	https://www.rsc.org/journals-books-databases/about-journals/njc/	https://www.scopus-com-kerala	Article	Yes
Nano Ag ₀ decorated-silica matrix for the remediation of environmental pollutants: Visible-light driven Cr(VI) photoreduction, photodegradation of organic dye, nanomolar Hg ²⁺ detection, and antimicrobial applications	Harikumar B.; Okla M.K.; Alaraidh I.A.; Mohebaldin A.; Soufan W.; AL-ghamdi A.A.; Abdel-Maksoud M.A.; AbdElgawad H.; Thomas A.M.; Raju L.L.; Das A.; Khan S.S.	Zoology	Journal of the Taiwan Institute of Chemical Engineers	2022	18761070	https://www.sciencedirect.com/journal/journal-of-the-taiwan-institute-of-chemical-engineers	https://www.scopus-com-kerala	Article	Yes

Nano-encapsulation of curcumin in fish collagen grafted succinyl chitosan hydrogel accelerates wound healing process in experimental rats	Chatterjee N.S.; Sukumaran H.G.; Dara P.K.; Ganesan B.; Ashraf M.; Anandan R.; Mathew S.; Nagarajarao R.C.	Biotechnology	Food Hydrocolloids for Health	2022	26670259	https://www.sciencedirect.com/journal/food-hydrocolloids-for-health	https://www.scopus-com-kerala	Article	Yes
NLOphoric Azo Dyes Studied Using Z-Scan	Ramugade S.H.; Ghanavatkar C.W.; Mathew E.; Aswathy P.; Joe I.H.; Sekar N.	physics	ChemistrySelect	2022	23656549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549	https://www.scopus-com-kerala	Article	Yes
Nonlinear optical activity of piperazine-1,4-dium bis (sulfanilate) compound	Steffy, AD; Dhas, DA; Joe, IH	Physics	COMPUTATIONAL AND THEORETICAL CHEMISTRY	2022	2210-271X	https://www.sciencedirect.com/journal/computational-and-theoretical-chemistry	View Full Record in Web of Science	Article	Yes
Novel ZnFe2O4 decorated on ZnO nanorod: Synergistic photocatalytic degradation of tetracycline, kinetics, degradation pathway and antifungal activity	Akshayya, C; Okla, MK; Al-Qahtani, WH; Rajeshwari, MR; Mohebalidin, A; Alwasel, YA; Soufan, W; Abdel-Maksoud, MA; AbdElgawad, H; Raju, LL; Thomas, AM; Khan, SS	Zoology	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022	2213-2929	https://sciencedirect.com/journal/journal-of-environmental-chemical-engineering	View Full Record in Web of Science	Article	Yes
On the Δ -interval and the Δ -convexity numbers of graphs and graph products	Anand B.S.; Dourado M.C.; Narasimha-Shenoi P.G.; Ramla S.S.	Mathematics	Discrete Applied Mathematics	2022	0166218X	https://www.sciencedirect.com/journal/discrete-applied-mathematics	https://www.scopus-com-kerala	Article	Yes
Photocatalytic and thermodynamic study of Pr doped SrO nanoparticles	Athira S.; John A.; Solomon S.	physics	Chemical Physics Letters	2022	92614	https://www.sciencedirect.com/journal/chemical-physics-letters	https://www.scopus-com-kerala	Article	Yes
Photodegradation of 5-fluorouracil, carvedilol, parachlorophenol and methimazole with 3D MnWO4 nanoflower modified Ag2WO4 nanorods: A non-genotoxic nanomaterial for water treatment	Balasurya S.; Okla M.K.; Alaraidh I.A.; Soufan W.; AL-ghamdi A.A.; Ahamad S.R.; Abdel-Maksoud M.A.; AbdElgawad H.; Raju L.L.; Thomas A.M.; Khan S.S.	Zoology	Chemosphere	2022	456535	https://www.sciencedirect.com/journal/chemosphere	https://www.scopus-com-kerala	Article	Yes

Plasma-assisted in-situ preparation of L-cystine functionalized silver nanoparticle: An intelligent multicolor nano-sensing of cadmium and paracetamol from environmental sample	Okla M.K.; Balasurya S.; Alaraidh I.A.; Mohebaldin A.; Al-ghamdi A.A.; Al-okla M.A.; Abdel-Maksoud M.A.; Abdelaziz R.F.; Soufan W.; Balakrishnaraja R.; Raju L.L.; Thomas A.M.; Sudheer Khan S.	Zoology	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2022	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus-com-kerala	Article	Yes
Rapid crystallization of amorphous solid water by porosity induction	Vishwakarma G.; Malla B.K.; Methikkalam R.R.J.; Pradeep T.	Chemistry	Physical Chemistry Chemical Physics	2022	14639076	https://www.rsc.org/journals-books-databases/about-journals/pccp/	https://www.scopus-com-kerala	Article	Yes
Recent development in MoS ₂ -based nano-photocatalyst for the degradation of pharmaceutically active compounds	Sivaranjani P.R.; Janani B.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	Journal of Cleaner Production	2022	9596526	https://www.sciencedirect.com/journal/journal-of-cleaner-production	https://www.scopus-com-kerala	Review	Yes
Resistive coupled microwave sintering – A promising technique to fabricate bioceramics with improved properties	Swapna Y.V.; Mathew C.T.; K Thomas J.	Physics	Journal of the Mechanical Behavior of Biomedical Materials	2022	17516161	https://www.sciencedirect.com/journal/journal-of-the-mechanical-behavior-of-biomedical-materials	https://www.scopus-com-kerala	Article	Yes
Robust visible light active CoNiO ₂ -BiFeO ₃ -NiS ternary nanocomposite for photo-fenton degradation of rhodamine B and methyl orange: Kinetics, degradation pathway and toxicity assessment	Harikumar, B; Okla, MK; Alaraidh, IA; Mohebaldin, A; Soufan, W; Abdel-Maksoud, MA; Aufy, M; Thomas, AM; Raju, LL; Khan, SS	Zoology	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022	0301-4797	https://www.sciencedirect.com/journal/journal-of-environmental-management	View Full Record in Web of Scien	Article	Yes
Self-assembling of 3D layered flower architecture of BiOI modified MgCr ₂ O ₄ nanosphere for wider spectrum visible-light photocatalytic degradation of rhodamine B and malachite green: Mechanism, pathway, reactive sites and toxicity prediction	Balasurya S.; Okla M.K.; Mohebaldin A.; AL-ghamdi A.A.; Abdel-Maksoud M.A.; Almunqedhi B.; AbdElgawad H.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	Journal of Environmental Management	2022	3014797	https://www.sciencedirect.com/journal/journal-of-environmental-management	https://www.scopus-com-kerala	Article	Yes
Spectroscopic and quantum chemical computation on molecular structure, AIM, ELF, RDG, NCI, and NLO activity of 4-VINYL benzoic acid: A DFT approach	Sukanya R.; Aruldhas D.; Hubert Joe I.; Balachandran S.	Physics	Journal of Molecular Structure	2022	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Spectroscopic studies, quantum chemical investigations, and in silico and in vitro scrutiny of the diuretic drug trichlormethiazide adsorbed on AuNPs	Shyni V.; Leenaraj D.R.; Ittyachan R.; Shyju G.J.; Joseph L.; Sajan D.	Physics	Journal of Molecular Recognition	2022	9523499	https://onlinelibrary.wiley.com/journal/10991352	https://www.scopus-com-kerala	Article	Yes

Stability and Bifurcation Analysis of Two Spatial Population Dynamics Models	Dilip D.S.; Philip T.	Mathematics	International Journal of Applied and Computational Mathematics	2022	23495103	https://link.springer.com/journal/40819	https://www.scopus-com-kerala	Article	Yes
Structural evolution and opto-electrical characterization of auto-ignited combustion synthesized LaSmZr2O7 ceramic	Vijayan D.; Thomas J.K.; Solomon S.	Physics	Solid State Sciences	2022	12932558	https://sciencedirect.com/journal/solid-state-sciences	https://www.scopus-com-kerala	Article	Yes
Structural, optical and electrical properties of PrSmZr2O7 nanoceramic	Vijayan D.; John A.; Solomon S.	Physics	Materials Letters	2022	0167577X	https://www.sciencedirect.com/journal/materials-letters	https://www.scopus-com-kerala	Article	Yes
Structure and properties of Ln6MoO12 (Ln = Nd, Sm, Gd, Dy) optoelectronic nanoceramics	Jayalekshmy N.L.; Thomas J.K.; Solomon S.	Physics	Materials Today: Proceedings	2022	22147853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus-com-kerala	Article	Yes
Structure, optical, thermal, SHG & photoluminescence studies of L-Serine cadmium chloride single crystals	Aswathy G.S.; Bright K.C.	Physics	Optical Materials	2022	9253467	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus-com-kerala	Article	Yes
Subsampling in Graph Signal Processing Based on Dominating Set	Dhanya E.; Thomas G.; Mathew J.K.	Physics	Lecture Notes in Networks and Systems	2022	23673370	https://www.springer.com/series/15179	https://www.scopus-com-kerala	Article	yes
Sunlit expeditious visible light-mediated photofenton degradation of ciprofloxacin by exfoliation of NiCo2O4 and Zn0.3Fe2.7O4 over g-C3N4 matrix: A brief insight on degradation mechanism, degraded product toxicity, and genotoxic evaluation in Allium cepa	Harini, G; Okla, MK; Alaraidh, IA; Mohebalidin, A; Alghamdi, AA; Abdel-Maksoud, MA; Abdelaziz, RF; Raju, LL; Thomas, AM; Khan, SS	Zoology	CHEMOSPHERE	2022	0045-6535	https://www.sciencedirect.com/journal/chemosphere here	View Full Record in Web of Scien	Article	Yes
Sunlit photocatalytic degradation of organic pollutant by NiCr2O4/Bi2S3/Cr2S3 tracheid skeleton nanocomposite: Mechanism, pathway, reactive sites, genotoxicity and byproduct toxicity evaluation	Balasurya S.; Okla M.K.; Alaraidh I.A.; Alghamdi A.A.; Mohebalidin A.; Abdel-Maksoud M.A.; Abdelaziz R.F.; Thomas A.M.; Raju L.L.; Khan S.S.	Zoology	Journal of Environmental Management	2022	3014797	https://www.sciencedirect.com/journal/journal-of-environmental-management	https://www.scopus-com-kerala	Article	Yes
Synthesis and application of CdS nanoparticles-decorated core-shell Ag@Ni nanohybrids for visible-light spectrophotometric assay of sulfide in aqueous sample	Al-Qahtani, WH; Balasurya, S; Okla, MK; Abdelmaksoud, MA; AbdElgawad, H; Alghamdi, AA; Thomas, AM; Raju, LL; Khan, SS	Zoology	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	2022	1386-1425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	View Full Record in Web of Scien	Article	yes
Synthesis and characterization of nonlinear optical metal organic frame work - Cadmium di glycinate monohydrate	Anila, RN; Bright, KC	Physics	JOURNAL OF MOLECULAR STRUCTURE	2022	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Scien	Article	Yes

Synthesis of novel p-n heterojunction by the decoration of CuFe2O4 on ZnO nanorod: Characterization, enhanced visible light driven photocatalytic activity and intrinsic mechanism	Akshayya C.; Okla M.K.; Mohebaldin A.; AL-ghamdi A.A.; Thomas A.M.; Raju L.L.; AbdElgawad H.; Abdel-Maksoud M.A.; Khan S.S.	Zoology	Surfaces and Interfaces	2022	24680230	https://www.sciencedirect.com/journal/surfaces-and-interfaces	https://www.scopus-com-kerala	Article	Yes
Synthesis, structural, spectroscopic and docking studies on (E)-1-Ferrocenyl-3-phenyl-propen-1-one by the density functional theory	Amalanathan M.; Michael Mary M.S.; Beatrice M.L.; Delphine S.M.; Robert H.M.; Twinkle A.R.; Ratkovic Z.; Samson Y.	Physics	Molecular Simulation	2022	8927022	https://www.tandfonline.com/journals/gmos20	https://www.scopus-com-kerala	Article	Yes
Tridentate imidazole-based Schiff base metal complexes: molecular docking, structural and biological studies	Reshma R.; Selwin Joseyphus R.; Arish D.; Reshmi Jaya R.J.; Johnson J.	Chemistry	Journal of Biomolecular Structure and Dynamics	2022	7391102	https://www.tandfonline.com/journals/tbsd20	https://www.scopus-com-kerala	Article	Yes
A Review of the Current State of the Art of Polyether Ether Ketone (PEEK) Composite Based 3D-Printed Biomedical Scaffolds	Surendran R.; Pavithran S.S.; Balachandran A.; Vijayan S.; Madanan K.; Brabazon D.	Physics	Designs	2023	24119660	https://www.mdpi.com/journal/designs	https://www.scopus-com-kerala	Review	Yes
Bio synthesis and characterization of tin oxide for photocatalytic, anti-microbial and anti-oxidant applications	Jafeesh J.; Aswathy Aromal S.; Krishnan R.R.	Chemistry	Materials Chemistry and Physics	2023	2540584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://www.scopus-com-kerala	Article	Yes
Bioactive conductive polymeric nanocomposite coating for titanium implants	Mathai S.; Shaji P.S.	Chemistry	Materials Today: Proceedings	2023	22147853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus-com-kerala	Article	Yes
Citrus Essential Oils: A Rational View on its Chemical Profiles, Mode of Action of Anticancer Effects/Antiproliferative Activity on Various Human Cancer Cell Lines	Amala Dev A.R.; Sonia Mol J.	Chemistry	Cell Biochemistry and Biophysics	2023	10859195	https://link.springer.com/journal/12013	https://www.scopus-com-kerala	Review	Yes
Crystal growth and vibrational spectroscopic studies on the novel nlo active piperazine-1,4-dium 3-phenyl-2-propenoate single crystal by experimental and computational technique	Steffy A.D.; Dhas D.A.; Joe I.H.; Gunasekaran B.; Vinitha G.	physics	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Crystal growth, structural insights, spectral, Z-scan, N[σ]H...O hydrogen bonding interaction and non-linear optical properties of the novel synthesized 2-aminopyridinium cyanoacetate crystal	Femi Frederic N.F.; Dhas D.A.; Joe I.H.; Vinitha G.	Physics	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Crystal Growth, Structural, Vibrational, Effects of Hydrogen Bonding(C-H...O and C-H...N), Chemical Reactivity, Antimicrobial Activity, Inhibitory Effects and Molecular Dynamic Simulation of 4-Methoxy-N-(Nitrobenzylidene)-Aniline	Bravanjalin Subi E.; Arul Dhas D.; Balachandran S.; Hubert Joe I.	Physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	yes
Development, characterization, and properties of LnSmZr2O7 (Ln = Dy, Ho, Yb) defect fluorite functional ceramics	Vijayan D.; John A.; Thomas J.K.; Solomon S.	Physics	Materials Chemistry and Physics	2023	2540584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://www.scopus-com-kerala	Article	Yes

Effect of donor and π -spacer for non-linear optical property: Synthesis, photophysical studies, and Z-scan analysis	Sharma S.J.; Aswathy P.; I Joe H.; Sekar N.	Physics	Journal of Molecular Liquids	2023	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus-com-kerala	Article	Yes
Electrochemical properties of double molybdate LiSm(MoO ₄) ₂ ceramics with ultra-low sintering temperature	Xavier D.; George A.; Loureiro F.J.A.; Rajesh S.	physics	Electrochimica Acta	2023	134686	https://www.sciencedirect.com/journal/electrochimica-acta	https://www.scopus-com-kerala	Article	Yes
Enhancement of immune surveillance in breast cancer by targeting hypoxic tumor endothelium: Can it be an immunological switch point?	Thomas J.A.; Gireesh Moly A.G.; Xavier H.; Suboj P.; Ladha A.; Gupta G.; Singh S.K.; Palit P.; Babykutty S.	Zoology	Frontiers in Oncology	2023	2234943X	https://www.frontiersin.org/journals/oncology	https://www.scopus-com-kerala	Review	Yes
Enhancing the Strength of Microporous Nanofibrous PVA Mats by Incorporating Nanostructured Hydroxyapatite Synthesized by a Combustion Route for Bone Tissue Regeneration	Swapna Y.V.; Mathew C.T.; Thomas J.K.	Physics	Journal of Inorganic and Organometallic Polymers and Materials	2023	15741443	https://link.springer.com/journal/10904	https://www.scopus-com-kerala	Article	Yes
Experimental and theoretical analyses and investigation of intermolecular interactions and antibacterial activity of a novel proton transfer compound: 8-hydroxyquinolinium oxalate monohydrate	Mathew B.M.; Suma S.; Sudarsanakumar M.R.; Joe I.H.; Anitha L.; Suresh S.; Anusree S.	physics	Heliyon	2023	24058440	https://www.sciencedirect.com/journal/heliyon	https://www.scopus-com-kerala	Article	Yes
Experimental and theoretical investigation on piperazine-1,4-dium bis (2,5-dichlorophenoxyacetate) single crystal: A potential candidate for nonlinear optical applications	Steffy A.D.; Dhas D.A.; Joe I.H.; Gunasekaran B.; Vinitha G.	Physics	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Exploration of Non Covalent Interactions, Structural, Vibrational, Chemical Reactivity and NLO Properties of 1, 2-Diphenyl-2-Methoxyethanone Oxime: A Theoretical Approach	Jini Pramila M.; Samson Y.; Dhas D.A.; Joe I.H.	physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Growth, Quantum Chemical Computations, NLO and Spectroscopic Studies of 2-Amino 5-Chloro Pyridine Single Crystal in Comparison with Certain Aminopyridine Derivatives.	John N.L.; Abraham S.; George J.; Aswathy P.; Sivasubramani V.	physics	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
In vitro antiproliferative and G0/G1 cell cycle arrest in human lung carcinoma cells by Ag doped zinc ferrite nanoparticles	Jyothish B.; Jacob J.	physics	Inorganic Chemistry Communications	2023	13877003	https://www.sciencedirect.com/journal/inorganic-chemistry-communications	https://www.scopus-com-kerala	Article	Yes
Insight into structural, optical, electrical, dielectric, and photovoltaic behaviour of cerium-doped strontium titanate by a modified combustion method	Varghese R.; Sreekala C.O.; Kurian S.; Thomas J.K.	Physics	Journal of Materials Science: Materials in Electronics	2023	9574522	https://link.springer.com/journal/10854	https://www.scopus-com-kerala	Article	Yes
INTERIOR VERTICES AND BOUNDARY VERTICES USING GEODESIC AND DETOUR DISTANCES	Linda J.P.; Sunitha M.S.	Mathematics	Mathematics Student	2023	255742	https://www.indianmathsoc.org/MS.html	https://www.scopus-com-kerala	Article	Yes
Investigation of Zn ₂ TiO ₄ as fluorescence quenching probe for sensing of metal ions	Raphael S.J.; Joseph P.; Mehta A.; K J.; Prasannamohan A.; Dasan A.	Chemistry	Results in Surfaces and Interfaces	2023	26668459	https://www.sciencedirect.com/journal/results-in-surfaces-and-interfaces	https://www.scopus-com-kerala	Article	Yes

Investigation on the effect of Potassium on the structural, optical and thermal properties of the L-Threonine Cadmium acetate: Elucidation of organo-cadmium compound for dielectric filters	Queen M.A.J.; Bright K.C.; Udhaya P.A.	Physics	Journal of Materials Science: Materials in Electronics	2023	9574522	https://link.springer.com/journal/10856	https://www.scopus-com-kerala	Article	Yes
Low temperature sintering of Zn _{2-x} Cu _x V ₂ O ₇ x=0~2 nanoceramics as an LTCC material, synthesized through combustion route, and a study on the influence of copper in their structural and dielectric behaviour	Lakshmi J.S.; Rajesh S.; Suresh E.K.; Raimundo R.A.; Varghese R.; Jose S.M.; Thomas J.K.	Physics	Ceramics International	2023	2728842	https://www.sciencedirect.com/journal/ceramics-international	https://www.scopus-com-kerala	Article	Yes
Microbial production of nutraceuticals: Metabolic engineering interventions in phenolic compounds, poly unsaturated fatty acids and carotenoids synthesis	Madhavan A.; Arun K.B.; Alex D.; Anoopkumar A.N.; Emmanuel S.; Chaturvedi P.; Varjani S.; Tiwari A.; Kumar V.; Reshmy R.; Awasthi M.K.; Binod P.; Aneesh E.M.; Sindhu R.	Biotechnology	Journal of Food Science and Technology	2023	221155	https://link.springer.com/journal/13197	https://www.scopus-com-kerala	Review	Yes
Molecular Structure, Spectroscopic Elucidation (FT-IR, FT-Raman, UV-Visible and NMR) with NBO, ELF, LOL, RDG, Fukui, Drug Likeness and Molecular Docking Analysis on Dimethomorph	Abisha W.; Dhas D.A.; Balachandran S.; Joe I.H.	physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Optical characterization of rare-earth activated La _{2-x} Ln _x (MoO ₄) ₃ (Ln =Dy, Sm) phosphors	Satheesh, R; Venugopal, M; Anusree, SP; Dhanya, VS; Kumar, HP	physics	JOURNAL OF MOLECULAR STRUCTURE	2023	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Scien	Article	Yes
Plant invasion by Chromolaena odorata alters the soil microbiome and provides insight into the role of copiotrophs	Nirmala L.; Reghu R.J.; Santhosh R.S.; Sugathan S.; Chithra A.A.K.; Sophy A.J.K.	Biotechnology	Ecological Genetics and Genomics	2023	24059854	https://www.sciencedirect.com/journal/ecological-genetics-and-genomics	https://www.scopus-com-kerala	Article	Yes
Recent advancements toward visible-light-driven titania-based nanocomposite systems for environmental applications: An overview	Kunnath Parambil N.S.; Raphael S.J.; Joseph P.; Dasan A.	Chemistry	Applied Surface Science Advances	2023	26665239	https://www.sciencedirect.com/journal/applied-surface-science-advances	https://www.scopus-com-kerala	Review	Yes
Resistive coupled microwave sintering of hydroxyapatite/titania nano-biocomposite and tailoring its mechanical properties	Swapna Y.V.; Mathew C.T.; Thomas J.K.	Physics	Journal of the Mechanical Behavior of Biomedical Materials	2023	17516161	https://www.sciencedirect.com/journal/journal-of-the-mechanical-behavior-of-biomedical-materials	https://www.scopus-com-kerala	Article	Yes
SINGLE SAMPLING PLANS FOR VARIABLE INSPECTION BASED ON BIRNBAUM - SAUNDERS DISTRIBUTION	Saranya C.R.; Vijayaraghavan R.; Sathya Narayana Sharma K.	Statistics	Reliability: Theory and Applications	2023	19322321	https://gnedenko.net/Journal/index.htm	https://www.scopus-com-kerala	Article	Yes

Spectroscopic (FT-IR, FT-Raman) investigation, topological (QAIM, RDG, ELF) analysis, drug-likeness and anti-inflammatory activity study on 2-methylaminobenzoic acid alkaloid	Priscilla J.; Arul Dhas D.; Hubert Joe I.; Balachandran S.	Physics	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Spectroscopic Investigation, DFT Calculations, anti-Inflammatory Activity and Molecular Dynamic Simulation Study on Fagaramide Alkaloid	Priscilla J.; Arul Dhas D.; Hubert Joe I.; Ronaldo Anuf A.	physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Structural analysis and properties of novel Terbium Samarium Zirconate functional ceramic	Vijayan D.; John A.; Thomas J.K.; Solomon S.	Physics	Ceramics International	2023	2728842	https://www.sciencedirect.com/journal/ceramics-international	https://www.scopus-com-kerala	Article	Yes
Structural insights, spectral, fluorescence, Z-scan, C-H...O/N-H...O hydrogen bonding and AIM, RDG, ELF, LOL, FUKUI analysis, NLO activity of N-2(Methoxy phenyl) acetamide	Pramila M.J.; Dhas D.A.; Joe I.H.; Balachandran S.; Vinitha G.	physics	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Structural, Spectroscopic, and C-H horizontal ellipsis O Hydrogen Bonding Interaction on Structure (Monomer and Dimer) Vibrational Spectroscopic, Fukui, NCI, AIM, and RDG Analysis Molecular Docking and Molecular Dynamic Simulation of Biological Active Pencycuron	Abisha, W; Dhas, DA; Balachandran, S; Joe, IH	Physics	POLYCYCLIC AROMATIC COMPOUNDS	2023	1040-6638	https://www.tandfonline.com/toc/gpol20/current	View Full Record in Web of Scien	Article	Yes
Structural, Spectroscopic, and C-H...O Hydrogen Bonding Interaction on Structure (Monomer and Dimer) Vibrational Spectroscopic, Fukui, NCI, AIM, and RDG Analysis Molecular Docking and Molecular Dynamic Simulation of Biological Active Pencycuron	Abisha W.; Dhas D.A.; Balachandran S.; Hubert Joe I.	Physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Structural, Spectroscopic, Quantum Chemical, RDG, AIM, ELF, Fukui, O-H...N Hydrogen Bonding and NLO Activity of 2-Hydroxy-2-Phenyl Acetophenone Oxime: Experimental and Theoretical Approach	Jini Pramila M.; Dhas D.A.; Joe I.H.; Balachandran S.	physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Structure and electrical properties of Ln ₂ (MO ₄) ₃ (Ln = La or Sm; M = W or Mo) nanoceramics	Jayalekshmy N.L.; John A.; Thomas J.K.; Solomon S.	Physics	Journal of the Australian Ceramic Society	2023	25101560	https://link.springer.com/journal/41779	https://www.scopus-com-kerala	Article	Yes
Structure and optical properties of Nd-substituted nanocrystalline Ba ₄ Ce ₂ Hf ₂ O ₁₁ photocatalysts	Varun S.L.; Athira S.; John A.; Solomon S.	Physics	Journal of Materials Science: Materials in Electronics	2023	9574522	https://link.springer.com/journal/10855	https://www.scopus-com-kerala	Article	Yes
Sustainable sponge-like composite hydrogel evaporator for highly efficient solar steam generation	Meera B.; Vidhya C.; Nair R.B.; Surya R.; Kurian S.	Chemistry	Materials Today Sustainability	2023	25892347	https://www.sciencedirect.com/journal/materials-today-sustainability	https://www.scopus-com-kerala	Article	Yes
Switching of reverse saturable absorption to saturable absorption in Dye-Carbon nanotube blended system under CW and Q-Switched laser excitation	Primsa I.P.; Sreenath M.C.; Ananda Kumar V.M.; Hubert Joe I.	Physics	Journal of Molecular Liquids	2023	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus-com-kerala	Article	Yes

Synthesis and characterization of Ni ²⁺ and Al ³⁺ doped zinc ferrite nanoparticles for antibacterial, antioxidant, and anticancer (MCF-7) analysis	Jyothish B.; Jacob J.	Physics	Chemical Physics Impact	2023	26670224	https://www.sciencedirect.com/journal/chemical-physics-impact	https://www.scopus-com-kerala	Article	Yes
Synthesis, characterization and biological evaluation of novel 2-aminopridinium nicotinate invitro antifungal, insilico ADME and molecular docking studies	Abisha W.; Dhas D.A.; Joe I.H.; Gunasekaran B.; Sindhusa S.	physics	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
Synthesis, Spectroscopic (FTIR, FT-Raman and UV-Vis), Structural Investigation, Hirshfeld, AIM, NBO, Chemical Reactivity, In-Vitro and In-Silico Analysis of N-(2-Hydroxyphenyl)-4-Toluenesulfonamide	Subi B.; Dhas D.A.; Joe I.H.; Balachandran S.	Physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Synthesis, Structural, and Quantum Chemical Spectroscopic, Hydrogen Bonding, and Molecular Docking Investigation of Antifungal Compound Pyrazole-Pyrazolium Picrate	Abisha W.; Dhas D.A.; Balachandran S.; Joe I.H.	Physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Synthesis, Structural, Spectroscopic, Topological, NLO and Docking Analysis on 4-Ethoxy-3-Methoxy Benzaldehyde: experimental and Theoretical Approach	Jini Pramila M.; M J.P.; Joe I.H.; S B.	physics	Polycyclic Aromatic Compounds	2023	10406638	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus-com-kerala	Article	Yes
Synthesis, structure, spectroscopic, topological analysis of novel intermolecular N -H ... N and N -H ... O hydrogen bonded NLO active melaminium cyanoacetate single crystal: Experimental and theoretical approach ...	Frederic, NFF; Dhas, DA; Joe, IH; Gunasekaran, B; Sindhusa, S; Vinitha, G	physics	JOURNAL OF MOLECULAR STRUCTURE	2023	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	View Full Record in Web of Scien	Article	Yes
Synthesis, theoretical and experimental spectroscopic techniques, proton transfer study on Metachlorphenprop-p-anisidine: In-vitro and in-silico antimicrobial analysis	E B.S.; Dhas D.A.; Joe I.H.; G G.; S S.	Physics	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Article	Yes
The politics of piety: Muslim self-fashioning in Pakistani cricketers' autobiographies	Ramamoorthy R.	English	Sport in History	2023	17460263	https://www.tandfonline.com/journals/rsih20	https://www.scopus-com-kerala	Article	Yes
Unveiling the volatile chemical variations of Annona essential oils and its associated pharmacological activities	Joseph S.M.; Dev A.R.A.; A K.	Chemistry	Journal of Molecular Structure	2023	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus-com-kerala	Review	Yes
Structural, optical and electrical characteristics of samarium molybdate nanoceramic	Priya, AAS; Solomon, S; Thomas, JK; Veena, MR; John, A	physics	CERAMICS INTERNATIONAL	2024	0272-8842	https://www.sciencedirect.com/journal/ceramics-international	View Full Record in Web of Scien	Article	Yes