Link of Publications during last five years

Title of paper	Name of the author/s	Name of journal	Link to the recognition in UGC enlistment of the Journal		
			Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention
A scale of absolute hardness based on the conjoint action of other properties	Sabu S.S., Simplica S.J.A., Tandon H., Chakraborty T.	Molecular Physics	https://www.tandfonline.com/journals/tmph20	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117255828&doi=10.1080%2f00268976.2021.1992521&partnerID=40&md5=d51bf7ecb3d355147832e1b5eadbe833	YES
Investigating the Bulk Level Optoelectronic Characteristics of 10-(1,3-Dithiol-2-Ylidene)Anthracene Based Light Harvesters	Irfan A., Imran M., Thomas R., Mumtaz M.W., Shah A.T., Qayyum M.A., Hussien M., Ullah S., Assiri M.A., Al-Sehemi A.G.	Polycyclic Aromatic Compounds	Investigating the Bulk Level Optoelectronic Characteristics of 10-(1,3-Dithiol-2-Ylidene)Anthracene Based Light Harvesters	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117215685&doi=10.1080%2f10406638.2021.1988995&partnerID=40&md5=818b7e57b2f243969635f74c6be301d0	YES

Synthesis, Spectral Characterization, Electronic Structure and Biological Activity Screening of the Schiff Base 4-((4-Hydroxy-3-Methoxy-5-Nitrobenzylidene)Amino)-N-(Pyrimidin-2-yl)Benzene Sulfonamide from 5-Nitrovanilline and Sulphadiazene	Elangovan N., Thomas R., Sowrirajan S., Manoj K.P., Irfan A.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116893696&doi=10.1080%2f10406638.2021.1991392&partnerID=40&md5=365d50a14bd7e143a6532a9acc958a4c	YES
Green Light Emitting Cadmium Sulfide Nanoparticles with Coral Surface Morphology	Thomas B., Jose E.T., Chacko J.K., Divya K.V.	Journal of Cluster Science	https://www.springer.com/journal/10876	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115308050&doi=10.1007%2fs10876-021-02171-9&partnerID=40&md5=bd2a6e88de98be153201a88daa284e74	YES
Exploring the charge injection aptitude in pyrazol and oxazole derivatives by the first-principles approach	Irfan A., Imran M., Thomas R., Basra M.A.R., Ullah S., Al-Sehemi A.G., Assiri M.A.	Zeitschrift fur Physikalische Chemie	https://www.degruyter.com/journal/key/zpch/html?lang=de	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113331093&doi=10.1515%2fzpch-2020-1705&partnerID=40&md5=f296aacd99d30236bbf65b34202c80a6	YES
Feeding ecology of the vulnerable sloth bear	Philip R., Bhatnagar C., Koli V.K.	International Journal of Environmental Studies	https://www.tandfonline.com/toc/genv20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108823269&doi=10.1080%2f00207233.2021.19	YES

(Melursus ursinus) in and around Mount Abu wildlife sanctuary, Rajasthan, India				41668&partnerID=40&md5=7997298dacc48b70437bd9f7748378d0	
Detailed Structural Examination, Quantum Mechanical Studies of the Aromatic Compound Solarimfetol and Formation of Inclusion Compound with Cucurbituril	Pooventhiran T., Cheriet M., Bhattacharyya U., Irfan A., Puchta R., Sowrirajan S., Thomas R.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107817281&doi=10.1080%2f10406638.2021.1937238&partnerID=40&md5=287e25fcb0ae2e625bf4614937d531da	YES
Balabhyasanavum Bhashayude Arividangalum	Dr. Joseph Skariah	Bhashaposhini	https://ebhashaposhini.manoramaonline.com/UI/home.aspx	https://www.manoramaonline.com/search-results.html?q=%C2%A0Balabhyasanavum%20Bhashayude%20Arividangalum&page=1	YES
Kuttanadan Nattarivukalum Edanadan Pattukalum	Dr. Joseph Skariah	Vijnjana Kairali	https://www.keralabhashainstitute.org/node/173	https://www.manoramaonline.com/search-results.html?q=%C2%A0Malayalathile%20Kavyabhasha&page=1	YES
Malayalathile Kavyabhasha	Dr. Bins M Mathew	Chengazhi	https://mrjc.in/index.php/chengazhi/about	https://mrjc.in/index.php/chengazhi/about	YES
Puthu Dalit Kavitha	Dr. Bins M Mathew	Malayala Sahithi	http://malayalakavyasahithi.com/	http://malayalakavyasahithi.com/	YES
Kavithayil Pollunna Vaakkukal	Dr. Bins M Mathew	Bhasha Sahithi	https://sahitya-akademi.gov.in/	https://sahitya-akademi.gov.in/	YES
Malayalathile Kalpanika Poorva Ghattathinte Akam Porul	Dr. Bins M Mathew	Bhasha Sahithi	https://sahitya-akademi.gov.in/	https://sahitya-akademi.gov.in/	YES

Experimental study on the similarity of gas discharge in low-pressure Argon gaps	Prijil Mathew , Sajith T. Mathews , Paul Issac , P. J. Kurian	Papers in Physics	https://www.papersinphysics.org/papersinphysics	https://www.papersinphysics.org/papersinphysics/article/view/716	YES
Band gap opening and surface morphology of monolayer graphene induced by single ion impacts of argon monomer and dimer ions	Jagnaseni Pradhan, Sachin Kumar Srivastava, Magudapathy Palanivelu, Saravanan Kothalamuthu, Sundaravel Balakrishnan, Soumya Sarkar, Sinu Mathew, Thirumalai Venkatesan	Carbon	https://www.rsc.org/periodic-table/element/6/carbon	https://www.sciencedirect.com/science/article/abs/pii/S000862232100823X	YES
Amphiphilic block copolymers: From synthesis including living polymerization methods to applications in drug delivery	Aravind Krishnan Smitha Roy Sajith Menon	European Polymer Journal	https://www.sciencedirect.com/journal/european-polymer-journal	https://www.sciencedirect.com/science/article/abs/pii/S0014305722002282	YES
Theoretical studies on the coordination chemistry of phytosiderophores with special reference to	Gopika S. and Cyril Augustine	Journal of Molecular Modeling	https://www.springer.com/journal/894	https://link.springer.com/article/10.1007/s00894-022-05078-y	YES

Fe-nicotianamine complexes in graminaceous plants					
Synthesis and catalytic applications of silver nanoparticles: a sustainable chemical approach using indigenous reducing and capping agents from Hyptis capitata	R. Revathy, Jebin Joseph, Cyril Augustine, T. Sajini and Beena Mathew	Environmental Science Advances	https://www.rsc.org/journals-books-databases/about-journals/environmental-science-advances/	https://www.rsc.org/journals-books-databases/about-journals/environmental-science-advances/	YES
A brief overview of molecularly imprinted polymers: Highlighting computational design, nano and photo-responsive imprinting	Sajini T and Beena Mathew	Talanta Open	https://www.sciencedirect.com/	https://www.sciencedirect.com/science/article/pii/S2666831921000424	YES
Advanced green approaches for metal and metal oxide nanoparticles synthesis and their environmental applications	Gopika M Nair, Sajini T* and Beena Mathew	Talanta Open	https://www.scimagojr.com/journalsearch.php?q=21101047132&tip=sid&clean=0	https://www.sciencedirect.com/science/article/pii/S2666831921000503	YES

Investigations on the Structural and Optical Properties of electrospun ZnO – poly (styrene – co-methyl methacrylate) Nanofiber Composites	Vinitha Varkey, Tomlal Jose E	Polymer-Plastics Technology and Materials	https://www.resurchify.com/impact/details/21100921058	https://www.tandfonline.com/doi/abs/10.1080/25740881.2021.1971717	YES
Green Light Emitting Cadmium Sulfide Nanoparticles with Coral Surface Morphology, Journal of Cluster Science	Thomas Baby, Tomlal Jose E	Journal of Cluster Science	https://www.springer.com/journal/10876	https://link.springer.com/article/10.1007/s10876-021-02171-9	YES
Dependable polysulfone based anion exchange membranes incorporating triazatriangulenium cations	Jince Thomas, Bejoy Francis, Sabu Thomas, Alex Schechter, Flavio Grynszpan	Solid State Ionics	https://www.sciencedirect.com/journal/solid-state-ionics	https://www.sciencedirect.com/science/article/abs/pii/S0167273821001843	YES
Polyvinylidene fluoride: A multifunctional polymer in supercapacitor applications	Sreelakshmi Rajeevan, Sam John, Soney C. George,	Journal of Power Sources	https://www.sciencedirect.com/journal/journal-of-power-sources	https://www.sciencedirect.com/science/article/abs/pii/S0378775321005632	YES
The effect of poly (vinylidene fluoride) binder on the	Sreelakshmi Rajeevan, Sam John, Soney C. George,	Journal of Energy Storage	https://www.sciencedirect.com/journal/journal-of-energy-storage	https://www.sciencedirect.com/science/article/abs/pii/S2352152X21003935#:~:text=PVDF%20provide%20a%20compact%20arrangement,stability%20an	YES

electrochemical performance of graphitic electrodes.				d%20low%20internal%20resistance.	
Adsorption of a thione derivative on carbon, AlN, and BN nanotubes: a detailed DFT and MD investigation, J. Mol. Model. 28	J.S. Al-Otaibi, M. Shabeer, Y.S. Mary, Y.S. Mary, R. Thomas	Journal of Molecular Modeling	https://www.tandfonline.com/	https://www.tandfonline.com/doi/abs/10.1080/07391102.2019.1585951	YES
Cluster formation between an oxadiazole derivative with metal nanoclusters (Ag/Au/Cu), graphene quantum dot sheets, SERS studies, and solvent effects, Struct. Chem.	J. S.Al-Otaibi, Y.S. Mary, Y.S. Mary, R. Trivedi, B. Chakrabory, R. Thomas	Structural Chemistry	https://www.springer.com/journal/11224	https://doi.org/10.1007/s11224-022-02052-5.	YES
, First-principle studies of istradefylline with emphasis on the stability, reactivity, interactions and wavefunction-dependent properties, Polycycl. Aromat. Compd. 42	N. Al-Zaqri, T. Pooventhiran, A. Alsalme, D.J. Rao, S.S. Rao, A. Sankar, R. Thomas	Polycyclic Aromatic Compounds	https://www.tandfonline.com/	https://www.tandfonline.com/doi/abs/10.1080/10406638.2020.1857273	YES

Group 13 monohalides [AX (A = B, Al, Ga and In; X = Halogens)] as alternative ligands for carbonyl in organometallics: Electronic structure and bonding analysis, Comput. Theor. Chem. 1209	F. Paularokiadoss, T. Christopher Jeyakumar, R. Thomas, A. Sekar, D. Bhakiaraj	Computational and Theoretical Chemistry	https://www.sciencedirect.com/journal/computational-and-theoretical-chemistry	https://www.sciencedirect.com/science/article/abs/pii/S2210271X2100445X	YES
Hydrogen bonds between valsartan and solvents (water and methanol): Evidences for solvation dynamics using local energy decomposition and abinitio molecular dynamics analysis, J. Mol. Liq. 354	T. Pooventhiran, R. Thomas,	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732222003944	YES
Indolyl-4H-chromenes: Multicomponent one-pot green synthesis, in vitro and in silico, anticancer and antioxidant	P. Anaikutti, M. Selvaraj, J. Prabhakaran, T. Pooventhiran, T.C. Jeyakumar, R. Thomas, P. Makam	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286022011206	YES

studies, J. Mol. Struct.					
Modeling the conformational preference, spectral analysis and other quantum mechanical studies on three bioactive aminobenzoate derivatives and their SERS active graphene complexes, Polycycl. Aromat. Compd. 42	J.S. Al-Otaibi, A.H. Almuqrin, Y. Sheena Mary, Y.S. Mary, R. Thomas,	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.tandfonline.com/doi/abs/10.1080/10406638.2020.1827270	YES
, Quantum mechanical studies of 5-amino-2-(6-(2-hydroxyethyl)-3-oxononyl) cyclohex-2-enone isolated from a marine algae, Vietnam J. Chem. 60	S.R. Begum, D.J. Rao, K.V.R. Rao, Y. Ramakrishna, N. Elangovan, R. Thomas	Vietnam Journal of Chemistry	https://onlinelibrary.wiley.com/journal/25728288	https://onlinelibrary.wiley.com/doi/full/10.1002/vjch.202100159	YES

Schiff base (Z)-4-((furan-2-ylmethylene)amino) benzenesulfonamide: Synthesis, solvent interactions through hydrogen bond, structural and spectral properties, quantum chemical modeling and biological studies, J. Mol. Liq. 350	S. Manivel, B. S Gangadharappa, N. Elangovan, R. Thomas, O.A. Abu Ali, D.I. Saleh,	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732222000666	YES
, Schiff Bases from α-ionone with Adenine, Cytosine, and l-leucine Biomolecules: Synthesis, Structural Features, Electronic Structure, and Medicinal Activities, J. Comput. Biophys. Chem. 21	P. Surendar, T. Pooventhiran, S. Rajam, A. Irfan, R. Thomas	Journal of Computational Biophysics and Chemistry	https://www.worldscientific.com/worldscinet/jcbc	https://ui.adsabs.harvard.edu/abs/2022JCBC...21....1S/abstract	YES
Solvation dynamics of tetracyclic Irbesartan in water and dichloromethane: Insights	E.S. Aazam, R. Thomas,	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S016773222200246X	YES

from local energy decomposition and ab initio molecular dynamics simulations library of the heterocyclic rings, J. Mol. Liq					
Spectroscopic, Computational (DFT), Quantum mechanical studies and protein-ligand interaction of Schiff base 6, 6-((1, 2-phenylenebis (azaneylylidene)) bis (methaneylylidene)) bis (2-methoxyphenol) from o-phenylenediamine and 3-methoxysalicylaldehyde, J. Indian Chem. Soc	T.S. Ganesan, N. Elangovan, V. Vanmathi, S. Sowrirajan, S. Chandrasekar, K.R.S. Murthy, R. Thomas,	Journal of the Indian Chemical Society	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://www.sciencedirect.com/science/article/abs/pii/S0019452222003752	YES
Detailed Electronic Structure, Physico-Chemical Properties, Excited State Properties,	Al-Otaibi J.S., Mary Y.S., Thomas R., Kaya S.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086843606&doi=10.1080%2f10406638.2020.1773876&partnerID=40&md5=aba2b9c9242243d8bbcbca2b2809d0cf	YES

Virtual Bioactivity Screening and SERS Analysis of Three Guanine Based Antiviral Drugs Valacyclovir HCl Hydrate, Acyclovir and Ganciclovir					
Study of the structural features and solvent effects using ab initio molecular dynamics and energy decomposition analysis of Atogepant in water and ammonia, J. Mol. Liq	T. Pooventhiran, B.S. Gangadharappa, O.A. Abu Ali, R. Thomas, D.I. Saleh	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732222002094	YES
Synthesis and biological studies of oxoquinolines: Experimental and theoretical investigations, J. Mol. Struct.	M.A. Bakht, F. Azam, A. Ali, R. Thomas, T. Pooventhiran, A. Ali, M.J. Ahsan	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286021016379	YES
Synthesis and investigation of anti-COVID19 ability of ferrocene	G. Abbas, A. Irfan, I. Ahmed, F.K. Al-Zeidaneen, S. Muthu, O. Fuhr, R.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://pubmed.ncbi.nlm.nih.gov/34975177/	YES

Schiff base derivatives by quantum chemical and molecular docking, J. Mol. Struct. 1253	Thomas				
Synthesis of a versatile Schiff base 4-((2-hydroxy-3, 5-diiodobenzylidene) amino) benzenesulfonamide from 3, 5-diiodosalicylaldehyde and sulfanilamide, structure, electronic properties, biological activity prediction and experimental antimicrobial propert, J. Mol. Struct. 1250	N. Elangovan, B. Gangadharappa, R. Thomas, A. Irfan,	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	: https://www.sciencedirect.com/science/article/pii/S0022286021018263	YES
Synthesis of Schiff base (E) -4- ((2-hydroxy-3 , 5-diiodobenzylidene) amino) -N-thiazole-2-yl) benzenesulf	N. Elangovan, R. Thomas, S. Sowrirajan	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286021018871	YES

onamide with antimicrobial potential , structural features , experimental biological screening and quantum mechanical studies, J. Mol. Struct. 1250					
Synthesis, characterization, vibrational analysis and computational studies of a new Schiff base from pentafluoro benzaldehyde and sulfanilamide, J. Mol. Struct. 1265	O.A.A. Ali, N. Elangovan, S.F. Mahmoud, M.S. El-Gendey, H. Elbasheer, S.M. El-Bahy, R. Thomas	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286022011012	YES
Synthesis, single crystal (XRD), spectral characterization, computational (DFT), quantum chemical modelling and anticancer activity of di (p-bromobenzyl)(dibromo)(1, 10-	A. Latha, N. Elangovan, K.P. Manoj, V. Maheswari, V. Balachandran, K. Balasubramani, S. Sowrirajan, S. Chandrasekar, R. Thomas	Journal of the Indian Chemical Society	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://www.sciencedirect.com/science/article/abs/pii/S0019452222003764	YES

phenanthroline) tin (IV) complex, J. Indian Chem. Soc.					
Synthesis, spectral analysis, antibacterial activity, quantum chemical studies and supporting molecular docking sof Schiff base (E)-4-((4-bromobenzylidene) amino)benzenesulfonamide, J. Indian Chem. Soc. 99	R. Muthukumar, M. Karnan, N. Elangovan, M. Karunanidhi, R. Thomas	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://doi.org/10.1016/j.jics.2022.100405.	YES
Synthesis, spectral, computational, wavefunction and molecular docking studies of 4-((thiophene-2-ylmethylene) amino) benzenesulfonamide from sulfanilamide and thiophene-2-carbalaldehy	R. Muthukumar, M. Karnan, N. Elangovan, M. Karunanidhi, V. Sankarapandian, R. Thomas	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0019452222003806#!	YES

de, J. Indian Chem. Soc.					
Synthesis, spectral, structural features, electronic properties, biological activities, computational, wave function properties, and molecular docking studies of (E)-4-(((pentafluorophenyl) methylene) amino)-N-(pyrimidin2-yl)benzenesulfonamide, J. Mol. Struct. 1265	S. Sowrirajan, N. Elangovan, G. Ajithkumar, A. Sirajunnisa, B.R. Venkatraman, M.M. Ibrahim, G.A.M. Mersal, R. Thomas	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	. https://doi.org/10.1016/j.molstruc.2022.133472	YES
Detailed quantum mechanical studies on three bioactive benzimidazole derivatives and their Raman enhancement on adsorption over	Y.S. Mary, V.S. Kumar, Y.S. Mary, R. KS, R. Thomas	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.tandfonline.com/doi/abs/10.1080/10406638.2020.1852267	YES

graphene sheets, Polycycl. Aromat. Compd. 42					
Synthesis, structural features, excited state properties, flouresence spectra, and quantum chemical modeling of (E)-2-hydroxy-5-(((4-sulfamoylphenyl) imino) methyl) benzoic acid, J. Mol. Liq.	O.A.A. Ali, N. Elangovan, S.F. Mahmoud, S.M. El-Bahy, Z.M. El-Bahy, R. Thomas	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732222010959	YES
Synthesis, structural, DFT, quantum chemical modeling and molecular docking studies of (E)-4-(((5-methylfuran-2-yl)methylene)amino) benzenesulfonamide from 5-methyl-2-furaldehyde and sulfanilamide, J. Indian Chem. Soc.	J. Geethapriya, A. Shanthidevi, M. Arivazhagan, N. Elangovan, R. Thomas	Journal of the Indian Chemical Society	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://www.sciencedirect.com/science/article/abs/pii/S0019452222000802	YES

99					
, Synthesis, XRD, Hirshfeld surface analysis, DFT studies, cytotoxicity and anticancer activity of di (m-chlorobenzyl)(dichloro)(4, 7-diphenyl-1, 10-phenanthrol ine) tin (IV) complex, J. Mol. Struct. 1267	C. Bhaskar, N. Elangovan, S. Sowrirajan, S. Chandraseka r, O.A.A. Ali, S.F. Mahmoud, R. Thomas	Journal of Molecular Structure	https://www.science direct.com/journal/j ournal-of-molecular-structure	https://www.sciencedirec t.com/science/article/abs /pii/S002228602201198X	YES
Synthesis, XRD, spectral, structural, quantum mechanical and anticancer studies of di (p-chlorobenzyl)(dibromo)(1, 10-phenanthrol ine) tin (IV) complex, J. Indian Chem. Soc	A. Latha, N. Elangovan, K.P. Manoj, M. Keerthi, K. Balasubram ani, S. Sowrirajan, S. Chandraseka r, R. Thomas	Journal of the Indian Chemical Society	https://www.science direct.com/journal/j ournal-of-the-indian-chemical-society	https://www.sciencedirec t.com/science/article/abs /pii/S0019452222002023	YES

Theoretical studies into the spectral characteristics, biological activity, and photovoltaic cell efficiency of four new polycyclic aromatic chalcones, Polycycl. Aromat. Compd. 42	J.S. Al-Otaibi, Y.S. Mary, R. Thomas, B. Narayana,	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.tandfonline.com/doi/abs/10.1080/10406638.2020.1747097	YES
Understanding the solvation dynamics of metformin in water using theoretical tools, J. Mol. Liq. 362	T. Pooventhiran, M.A. Bakht, R. Thomas, others	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732222012168	YES
Vibrational Spectral Studies, Quantum Mechanical Properties, and Biological Activity Prediction and Inclusion Molecular Self-Assembly Formation of N-N{'}-Dimethylethylene Urea, Biointerface Res. Appl. Chem.	S.P. Yeddu, P. Thangaiyan, A. Veeraiah, D. Vijay, K.E. Srikanth, A. Irfan, R. Thomas	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://biointerfaceresearch.com/wp-content/uploads/2021/08/20695837123.39964017.pdf	YES

Electronic Structure, Solvation Effects and Wave Function Based Properties of a New Triazole Based Symmetric Chromene Derivative of Apigenin, Polycycl. Aromat. Compd	J.S. Al-Otaibi, Y. Sheena Mary, Y. Shyma Mary, R. Thomas	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.tandfonline.com/doi/abs/10.1080/10406638.2022.2055583	YES
Evidence of cluster formation of croconic acid with Ag, Au and Cu cages, enhancement of electronic properties and Raman activity, Spectrochim. Acta Part A Mol. Biomol. Spectrosc. 264	J.S. Al-Otaibi, Y.S. Mary, Y.S. Mary, R. Thomas	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.sciencedirect.com/science/article/abs/pii/S1386142521008106	YES
Evidence of cluster formation of pyrrole with mixed silver metal clusters, Agx-My (x = 4,5, y = 2/1 and M = Au/Ni/Cu) using DFT/SERS	J.S. Al-Otaibi, Y.S. Mary, Y.S. Mary, R. Thomas	Computational and Theoretical Chemistry	https://www.sciencedirect.com/journal/computational-and-theoretical-chemistry	https://doi.org/10.1016/j.comptc.2021.113569.	YES

analysis, Comput. Theor. Chem. 1208					
Evidence of significant non-covalent interactions in the solution of Levetiracetam in water and methanol, J. Mol. Liq. 359	R. Thomas, T. Pooventhiran, S.M. El-Bahy, I.H. El Azab, G. A. M. Mersal, M.M. Ibrahim, Z.M. El-Bahy,	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	. https://doi.org/https://doi.org/10.1016/j.molliq.2022.119289.	YES
Evidences for sulfur centered hydrogen bond with sulfur atoms as a donor in aromatic thiols and aliphatic thiols in aqueous solution, J. Mol. Liq. 348	A. Paul, R. Thomas,	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://doi.org/10.1016/j.molliq.2021.118078.	YES
Exploring the charge injection aptitude in pyrazol and oxazole derivatives by the first-principles approach, Zeitschrift Für Phys. Chemie. 236	A. Irfan, M. Imran, R. Thomas, M.A.R. Basra, S. Ullah, A.G. Al-Sehemi, M.A. Assiri	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.researchgate.net/publication/353894282_Exploring_the_charge_injection_aptitude_in_pyrazol_and_oxazole_derivatives_by_the_first-principles_approach	YES

An exploration of the optoelectronic nature of 4,4-difluoro-8-(C4H3X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems, J. Comput. Electron.	R. Thomas, A. Irfan, M. Imran, R. Thomas, M.W. Mumtaz, M.A.R. Basra, S. Ullah, M.A. Assiri, A.G. Al-Sehemi	Journal of Computational Electronics	https://www.springer.com/journal/10825	https://doi.org/10.1007/S10825-020-01597-0.	YES
Corrosion Inhibition of N80 Steel by Newly Synthesized Imidazoline Based Ionic Liquid in 15\% HCl Medium: Experimental and Theoretical Investigations, Int. J. Electrochem. Sci. 16	L. Guo, M. Zhu, J. Chang, R. Thomas, R. Zhang, P. Wang, X. Zheng, Y. Lin, R. Marzouki	International Journal of ELECTROCHEMICAL SCIENCE	https://www.journals.elsevier.com/international-journal-of-electrochemical-science	http://www.electrochemsci.org/papers/vol16/211139.pdf	YES
Design, synthesis, anticancer activity and molecular docking analysis of novel dinitrophenylpyrazole bearing 1, 2, 3-triazoles, J. Mol. Struct.	K. Suryanarayana, A.R. Robert, N. Kerru, T. Pooventhiran, R. Thomas, S. Maddila, S.B. Jonnalagadda	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286021009984	YES

Detailed Structural Examination, Quantum Mechanical Studies of the Aromatic Compound Solarimfetol and Formation of Inclusion Compound with Cucurbituril, Polycycl. Aromat. Compd.	T. Pooventhiran, M. Cheriet, U. Bhattacharya, A. Irfan, R. Puchta, S. Sowrirajan, R. Thomas	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://doi.org/10.1080/10406638.2021.1937238	YES
Detailed Study of Three Halogenated Benzylpyrazole Acetamide Compounds with Potential Anticancer Properties, Polycycl. Aromat. Compd.	Y.S. Mary, R. Thomas, B. Narayana	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://doi.org/10.1080/10406638.2021.1988997.	YES
Energy and Reactivity Profile and Proton Affinity Analysis of Rimegepant with Special Reference to its Potential Activity against SARS-Cov-2 Virus Proteins using	T. Pooventhiran, E.F. Marondedze, P.P. Govender, U. Bhattacharya, D.J. Rao, E.S. Aazam, J.M. Kuthanapillil, R. Thomas	Journal of Molecular Modeling	https://www.springer.com/journal/894	https://link.springer.com/article/10.1007/s00894-021-04885-z	YES

Molecular Dynamics, J. Mol. Model. 27					
Excited-state electronic properties, structural studies, noncovalent interactions, and inhibition of the novel severe acute respiratory syndrome coronavirus 2 proteins in Ripretinib by first-principle simulations, J. Mol. Liq. 324	F.A. Alharthi, N. Al-Zaqri, A. Alsalme, A. Al-Taleb, T. Pooventhiran, R. Thomas, D.J. Rao,	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.researchgate.net/publication/348065894_Excited-state_electronic_properties_structural_studies_noncovalent_interactions_and_inhibition_of_the_novel_severe_acute_respiratory_syndrome_coronavirus_2_proteins_in_Ripretinib_by_first-principle_si	YES
Exploring the effect of oligothiophene and acene cores on the optoelectronic properties and enhancing p- and n-type ability of semiconductor materials, J. Sulfur Chem. 42	A. Irfan, M. Imran, R. Thomas, M.A.R. Basra, S. Ullah, A.G. Al-Sehemi, M.A. Assiri	Journal of Sulfur Chemistry	https://www.tandfonline.com/toc/gsrp20/current	https://www.tandfonline.com/doi/abs/10.1080/17415993.2020.1830401	YES
Investigating the Bulk Level Optoelectronic	A. Irfan, M. Imran, R. Thomas, M.W. Mumtaz, A.T.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.tandfonline.com/doi/abs/10.1080/10406638.2021.1988995	YES

Characteristics of 10-(1,3-Dithiol-2-Ylidene)Anthracene Based Light Harvesters, Polycycl. Aromat. Compd.	Shah, M.A. Qayyum, M. Hussien, S. Ullah, M.A. Assiri, A.G. Al-Sehemi,				
Markovnikov versus anti-Markovnikov addition and C–H activation: Pd–Cu synergistic catalysis, Appl. Organomet. Chem. 35	Z. Ullah, R. Thomas	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://sbcollege.ac.in/faculty/1259/	YES
Phenolic and flavonoid contents in Malva sylvestris and exploration of active drugs as antioxidant and anti-COVID19 by quantum chemical and molecular docking studies, J. Saudi Chem. Soc.	A. Irfan, M. Imran, M. Khalid, M.S. Ullah, N. Khalid, M.A. Assiri, R. Thomas, S. Muthu, M.A.R. Basra, M. Hussein, others	Journal of Saudi Chemical Society	https://www.sciencedirect.com/journal/journal-of-saudi-chemical-society	https://www.sciencedirect.com/science/article/pii/S131961032100082X	YES

Quantum Mechanical Studies of Three Aromatic Halogen-Substituted Bioactive Sulfonamido benzoxazole Compounds with Potential Light Harvesting Properties, Polycycl. Aromat. Compd. 41	Y. Sheena Mary, T. Ertan-Bolelli, R. Thomas, A.R. Krishnan, K. Bolelli, E.N. Kasap, T. Onkol, I. Yildiz	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.tandfonline.com/doi/abs/10.1080/10406638.2019.1689405	YES
Quasi liquid Schiff bases from trans - 2-hexenal and cytosine and l - leucine with potential antieczematic and antiarthritic activities : Synthesis , structure and quantum mechanical studies, J. Mol. Liq. 334	P. Surendar, T. Pooventhiran, S. Rajam, U. Bhattacharyya, A. Bakht, R. Thomas,	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://doi.org/10.1016/j.molliq.2021.116448	YES
Spectroscopic and Theoretical Studies of Potential Anti-Inflammatory Polycyclic Aromatic Fluoropheny	Y. Sheena Mary, Y. Shyma Mary, R. Thomas, K.S. Resmi, B. Narayana, S. Samshuddin, B.K. Sarojini,	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://doi.org/10.1080/10406638.2019.1699836	YES

l Substituted Acyclic and Heterocyclic Analogues Synthesized from 4,4′-Difluorophenylchalcone, Polycycl. Aromat. Compd. 41					
Structural aspects , reactivity analysis , wavefunction based properties , cluster formation with helicene and subsequent detection from surface enhancement in Raman spectra of triclabendazole studies using first principle simulations, Vietnam J. Chem. 59	T. Pooventhiran, R. Thomas, U. Bhattacharyya, S. Sowrirajan, A. Irfan, D.J. Rao	Vietnam Journal of Chemistry	https://onlinelibrary.wiley.com/journal/25728288	https://doi.org/10.1002/vjch.202100067	YES
Structural aspects, conformational preference and other physico-chemical properties of Artesunate and the formation of self-assembly	T. Pooventhiran, N. Al-Zaqri, A. Alsalme, U. Bhattacharyya, R. Thomas,	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.tandfonline.com/doi/abs/10.1080/10406638.2022.2150657?src=&journalCode=gpol20	YES

with graphene quantum dots: A first principle analysis and surface enhancement of Raman activity investigation, J. Mol. Liq. 325					
Structural study of letrozole and metronidazole and formation of self-assembly with graphene and fullerene with the enhancement of physical, chemical and biological activities, J. Biomol. Struct. Dyn. 39	A.H. Almuqrin, J.S. Al-Otaibi, Y.S. Mary, Y.S. Mary, R. Thomas	Journal of Biomolecular Structure and Dynamics	https://www.tandfonline.com/journals/tbsd20	https://www.tandfonline.com/doi/abs/10.1080/07391102.2020.1790420	YES
Spectral Features, Bioactivity and Light Harvesting Properties of Methyl and Dimethyl Anthracene: Experimental and First Principle Studies,	D.J. Rao, Y.S. Mary, Y.S. Mary, K.S. Resmi, R. Thomas, Structure,	Journal of Biomolecular Structure and Dynamics	https://www.tandfonline.com/journals/tbsd20	https://doi.org/10.1080/10406638.2019.1709083	YES

Polycycl. Aromat. Compd. 41					
Synthesis of three quasi liquid Schiff bases between hexanal and adenine, cytosine, and l-leucine, structural interpretation, quantum mechanical studies and biological activity prediction, J. Mol. Liq.	P. Surendar, T. Pooventhiran, N. Al-Zaqri, S. Rajam, D. Jagadeeswara Rao, R. Thomas	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://doi.org/https://doi.org/10.1016/j.molliq.2021.117305	YES
Synthesis, spectral and quantum mechanical studies and molecular docking studies of Schiff base (E) 2-hydroxy-5-(((4-(N-pyrimidin-2-yl) sulfamoyl) phenyl) imino) methyl benzoic acid from 5-formyl salicylic acid and	N. Elangovan, R. Thomas, S. Sowrirajan, A. Irfan,	Journal of the Indian Chemical Society	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://www.sciencedirect.com/science/article/abs/pii/S0019452221001448	YES

sulfadiazine, J. Indian Chem. Soc.					
Synthesis, Spectral Characterization, Electronic Structure and Biological Activity Screening of the Schiff Base 4-((4-Hydroxy-3-Methoxy-5-Nitrobenzylidene)Amino)-N-(Pyrimidin-2-yl)Benzene Sulfonamide from 5-Nitrovanilline and Sulphadiazene, Polycycl. Aromat. Compd.	N. Elangovan, R. Thomas, S. Sowrirajan, K.P. Manoj, A. Irfan	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://doi.org/10.1080/10406638.2021.1991392	YES
The proton sponge 1,8-bis(dimethylamino)naphthalene : The quicker-picker-upper also for s-block metal cations?, Chem. Phys.	U. Bhattacharya, R. Thomas, R. Puchta	Chemical Physics Letters	https://www.sciencedirect.com/journal/chemical-physics-letters	https://doi.org/https://doi.org/10.1016/j.cplett.2021.138735	YES

Lett.					
Theoretical studies on the structure and various physico-chemical and biological properties of a terphenyl derivative with immense anti-protozoan activity, Polycycl. Aromat. Compd. 41	Y.S. Mary, Y.S. Mary, R. Thomas, B. Narayana, S. Samshuddin, B.K. Sarojini, S. Armaković, S.J. Armaković, G.G. Pillai,	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.tandfonline.com/doi/abs/10.1080/10406638.2019.1624974	YES
Unprecedented biological evaluation of Zn (II) complexes supported by "Self-adjustable" acyclic diiminodipyrromethane Schiff's bases: DFT, molecular docking; biological activity studies, Inorg. Chem. Commun. 133	S.K. Loke, E. Pagadala, V. Srinivasadesikan, R.J.R.S. Thanapaul, T. Pooventhiran, R. Thomas, G. Naganjaneyulu, R.K. Kottalanka	Inorganic Chemistry Communications	https://www.sciencedirect.com/journal/inorganic-chemistry-communications	https://www.sciencedirect.com/science/article/abs/pii/S1387700321004913	YES
CSR Initiatives:	Dr Tom Antony	Mukt Shabd Journal	https://shabdbooks.com/	https://indiacsr.in/corporate-social-responsibility-	YES

Knowing the interventions that matter				csr-in-india/	
Revisiting CSR in the covid 19 backdrop an Alternative Model for social transformation	Dr Tom Antony	Shodha Prabha	https://www.slbsrsv.ac.in/newsletter/shodh-prabha	https://www.researchgate.net/publication/352251836_Reimagining_Corporate_Social_Responsibility_in_the_Era_of_COVID-19_Embedding_Resilience_and_Promoting_Corporate_Social_Competence	YES
CSR Practices Employed By Corporate - An Analysis	Dr Tom Antony	Journal of Oriental Institute	https://connectjournals.com/subscription_info.php?bookmark=CJ-001922	https://www.businessnewsdaily.com/4679-corporate-social-responsibility.html	YES
CSR a vehicle for resolution of social issues and Business growth	Dr Tom Antony	Madhya Bharathi	https://journalsearches.com/journal.php?title=Madhya%20Bharti-%20Humanities%20and%20Social%20Sciences%20(print%20only)	https://link.springer.com/article/10.1057/palgrave.gpp.2510037	YES
Antennal lobe organisation in ant, *Oecophylla smaragdina* A Golgi study	MARTIN J BABU and RAJA SHEKHAR K PATIL	Journal of BIosciences	https://www.springer.com/journal/12038	https://link.springer.com/article/10.1007/s12038-021-00233-8	YES
A REVIEW ON POTENTIAL EFFECTS OF ENDOCRINE DISRUPTORS ON VARIOUS ORGANISMS	ANN MARY JACOB and JOSE D. KAIPPALLIL	UTTAR PRADESH JOURNAL OF ZOOLOGY	https://mbimph.com/index.php/UPJOZ	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2726844/	YES

HISTOPATHOLOGICAL CHANGES IN THE LIVER AND INTESTINE OF FRESHWATER TELEOST, CHANNA STRIATUS (BLOCH) ON EXPOSURE TO ENDOCRINE DISRUPTOR CHEMICAL, TRICLOSAN	ANN MARY JACOB and JOSE D. KAIPPALLIL	J. Exp. Zool. India	https://jezi2.tripod.com/	https://connectjournals.com/toc.php?aid=Ann%20Mary%20Jacob%20and%20Jose%20D%20Kaippallil&&bookmark=CJ-033215&&volume=24&&issue_id=02&&month=July&year=2021	YES
Advanced green approaches for metal and metal oxide nanoparticles synthesis and their environmental applications	Nair G.M., Sajini T., Mathew B.	Talanta Open	https://www.sciencedirect.com/journal/talanta-open#:~:text=Talanta%20Open%20is%20a%20gold,pure%20and%20applied%20analytical%20chemistry.&text=Analytical%20performance%20of%20methods%20should,and%20methods%20should%20be%20validated.	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121977669&doi=10.1016%2fj.talo.2021.100080&partnerID=40&md5=55965d9e0835db6e094c698ed531f10f	YES
Synthesis and investigation of anti-COVID19 ability of ferrocene Schiff base derivatives by quantum chemical and molecular docking	Abbas G., Irfan A., Ahmed I., Al-Zeidaneen F.K., Muthu S., Fuhr O., Thomas R.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123233353&doi=10.1016%2fj.molstruc.2021.132242&partnerID=40&md5=453a83392a0ad57281ab482ca0b89844	YES

Schiff base (Z)-4-((furan-2-ylmethylene)amino) benzenesulfonamide: Synthesis, solvent interactions through hydrogen bond, structural and spectral properties, quantum chemical modeling and biological studies	Manivel S., S Gangadharappa B., Elangovan N., Thomas R., Abu Ali O.A., Saleh D.I.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123031963&doi=10.1016%2fj.molliq.2022.118531&partnerID=40&md5=c4826ecaf3071035229cad1d5f572c5f	YES
Group 13 monohalides [AX (A = B, Al, Ga and In; X = Halogens)] as alternative ligands for carbonyl in organometallics: Electronic structure and bonding analysis	Paularokiadoss F., Christopher Jeyakumar T., Thomas R., Sekar A., Bhakiaraj D.	Computational and Theoretical Chemistry	https://www.sciencedirect.com/journal/computational-and-theoretical-chemistry	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123251616&doi=10.1016%2fj.comptc.2021.113587&partnerID=40&md5=7ec9814f12e34ee63be1a922330325e6	YES
Evidences for sulfur centered hydrogen bond with sulfur atoms as a donor in aromatic thiols and aliphatic thiols in	Paul A., Thomas R.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119422493&doi=10.1016%2fj.molliq.2021.118078&partnerID=40&md5=82307d1c6a33d88d8bdea70749a71a65	YES

aqueous solution					
Synthesis of Schiff base (E)-4-((2-hydroxy-3,5-diiodobenzylidene)amino)-N-thiazole-2-yl)benzenesulfonamide with antimicrobial potential, structural features, experimental biological screening and quantum mechanical studies	Elangovan N., Thomas R., Sowrirajan S.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118334764&doi=10.1016%2fj.molstruc.2021.131762&partnerID=40&md5=78ad2c6002de8e1b3bc060300ada4d3b	YES
Synthesis of a versatile Schiff base 4-((2-hydroxy-3,5-diiodobenzylidene)amino) benzenesulfonamide from 3,5-diiodosalicylaldehyde and sulfanilamide, structure, electronic properties, biological activity prediction and	Elangovan N., Gangadharappa B., Thomas R., Irfan A.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117717271&doi=10.1016%2fj.molstruc.2021.131700&partnerID=40&md5=5f19ef39f2d253343898686255ec2a39	YES

experimental antimicrobial properties					
Evidence of cluster formation of pyrrole with mixed silver metal clusters, Agx-My (x = 4,5, y = 2/1 and M = Au/Ni/Cu) using DFT/SERS analysis	Al-Otaibi J.S., Mary Y.S., Mary Y.S., Thomas R.	Computational and Theoretical Chemistry	https://www.sciencedirect.com/journal/computational-and-theoretical-chemistry	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121602416&doi=10.1016%2fj.comptc.2021.113569&partnerID=40&md5=9e355e5e551a2765c25c91836ca0590e	YES
Study of the modified magnetic, dielectric, ferroelectric and optical properties in Ni substituted GdFe1-xNixO3 orthoferrites	Arun Raj R.S., Meenu S., Joseph A., Jose R., Sajan D., Guha A., Bhowmik R.N., Bala A.P., Joy L.K.	Nanotechnology	https://iopscience.iop.org/journal/0957-4484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119052262&doi=10.1088%2f1361-6528%2fac2c42&partnerID=40&md5=b96573b6f2b53963fe21e429a511f925	YES
Synthesis and biological studies of oxoquinolines: Experimental and theoretical investigations	Bakht M.A., Azam F., Ali A., Thomas R., Pooventhiran T., Ali A., Ahsan M.J.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115418056&doi=10.1016%2fj.molstruc.2021.131509&partnerID=40&md5=659fadea12db8e24e82afc2fde10d668	YES

Evidence of cluster formation of croconic acid with Ag, Au and Cu cages, enhancement of electronic properties and Raman activity	S.Al-Otaibi J., Mary Y.S., Mary Y.S., Thomas R.	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111849309&doi=10.1016%2fj.saa.2021.120233&partnerID=40&md5=082f1de44c740532e67d5daa00b44917	YES
Solar cycle variations of the EUV network characteristics from SDO/AIA	Varghese B.S., Raju K.P., Kurian P.J., Paul I.	Astrophysics and Space Science	https://www.springer.com/journal/10509	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122537046&doi=10.1007%2fs10509-021-04038-x&partnerID=40&md5=04f6019d7e35ae31dfe17546a74c650a	YES
Investigations on the Structural and Optical Properties of electrospun ZnO–poly (styrene–co-methyl methacrylate) Nanofiber Composites	Varkey V., Jose E T.	Polymer-Plastics Technology and Materials	https://www.tandfonline.com/toc/lpte21/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114391183&doi=10.1080%2f25740881.2021.1971717&partnerID=40&md5=223f35f69dd18a49d60ef7e5ffcd8d52	YES
Vibrational spectral studies, quantum mechanical properties, and biological activity prediction and inclusion molecular self-assembly formation of	Yeddu S.P., Thangaiyan P., Veeraiah A., Vijay D., Srikanth K.E., Irfan A., Thomas R.	Biointerface Research in Applied Chemistry	https://biointerfaceresearch.com/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113144933&doi=10.33263%2fBRIAC123.39964017&partnerID=40&md5=8714b9c490fd9c7bca50f0c7a7e7d603	YES

n-n'-dimethyleth ylene urea					
Structural aspects, reactivity analysis, wavefunctio n based properties, cluster formation with helicene and subsequent detection from surface enhancemen t in Raman spectra of triclabendaz ole studies using first principle simulations	Pooventhira n T., Thomas R., Bhattachary ya U., Sowrirajan S., Irfan A., Rao D.J.	Vietnam Journal of Chemistry	https://onlinelibrary .wiley.com/journal/ 25728288	https://www.scopus.com/ inward/record.uri?eid=2-s2.0-85121512611&doi=10.1002%2fvjch.202100067&partnerID=40&md5=a30555ebf291fec5df603f290e7ea830	YES
Antennal lobe organisation in ant, Oecophylla smaragdina: A Golgi study	Babu M.J., Patil R.K.	Journal of Biosciences	https://www.springer.com/journal/12038	https://www.scopus.com/ inward/record.uri?eid=2-s2.0-85120526019&doi=10.1007%2fs12038-021-00233-8&partnerID=40&md5=5807af2ac9d20a19f6df0a3fbb66dcb0	YES
High magnetic fluid hyperthermi a efficiency in copper ferrite nanoparticle s prepared by solvotherma l and	Kurian J., Lahiri B.B., Mathew M.J., Philip J.	Journal of Magnetism and Magnetic Materials	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials	https://www.scopus.com/ inward/record.uri?eid=2-s2.0-85109618945&doi=10.1016%2fj.jmmm.2021.168233&partnerID=40&md5=0d545f63e494f5cc8b2680e0f9608065	YES

hydrotherm al methods					
Design, synthesis, anticancer activity and molecular docking analysis of novel dinitrophen ylpyrazole bearing 1,2,3-triazoles	Suryanaraya na K., Robert A.R., Kerru N., Pooventhira n T., Thomas R., Maddila S., Jonnalagadd a S.B.	Journal of Molecular Structure	https://www.science direct.com/journal/j ournal-of-molecular-structure	https://www.scopus.com/ inward/record.uri?eid=2-s2.0-85108429379&doi=10.10 16%2fj.molstruc.2021.130 865&partnerID=40&md5= 6a1585cb515aeefe3b20c3 0a73de8c24	YES
Anomalous Dielectric Behavior in Co-Doped TiO2Nanotu bes: Effect of Oxygen Vacancy Mediated Defect Dipole Pairs	Vijayan P P., Vijayan P P., Chandran A., George K.C.	ECS Journal of Solid State Science and Technology	https://iopscience.io p.org/journal/2162-8777	https://www.scopus.com/ inward/record.uri?eid=2-s2.0-85120676660&doi=10.11 49%2f2162-8777%2fac344a&partnerI D=40&md5=f0bc1a90d4a ef80b99894731a6a9bb9c	YES
Unprecedent ed biological evaluation of Zn(II) complexes supported by “Self-adjustable” acyclic diiminodipy rromethane Schiff's bases: DFT, molecular docking; biological activity studies	Loke S.K., Pagadala E., Srinivasades ikan V., Thanapaul R.J.R.S., Pooventhira n T., Thomas R., Naganjaneyu lu G., Kottalanka R.K.	Inorganic Chemistry Communicat ions	https://www.science direct.com/journal/i norganic-chemistry-communications	https://www.scopus.com/ inward/record.uri?eid=2-s2.0-85115612134&doi=10.10 16%2fj.inoche.2021.1089 36&partnerID=40&md5=1 44eb34ff47be96ec0503e6 51d88a108	YES

Synthesis of three quasi liquid Schiff bases between hexanal and adenine, cytosine, and l-leucine, structural interpretation, quantum mechanical studies and biological activity prediction	Surendar P., Pooventhiran T., Al-Zaqri N., Rajam S., Jagadeeswara Rao D., Thomas R.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113749123&doi=10.1016%2fj.molliq.2021.117305&partnerID=40&md5=f27aba32c8bda18e45f77e6d9eb666fe	YES
Synthesis, spectral and quantum mechanical studies and molecular docking studies of Schiff base (E)2-hydroxy-5-(((4-(N-pyrimidin-2-yl)sulfamoyl)phenyl)imino)methyl benzoic acid from 5-formyl salicylic acid and sulfadiazine	Elangovan N., Thomas R., Sowrirajan S., Irfan A.	Journal of the Indian Chemical Society	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116944663&doi=10.1016%2fj.jics.2021.100144&partnerID=40&md5=b7f8aa122263866e1d66eba218a84922	YES
Energy and reactivity profile and proton affinity analysis of rimegepant with special reference to	Pooventhiran T., Marondedze E.F., Govender P.P., Bhattacharya U., Rao D.J., Aazam	Journal of Molecular Modeling	https://www.springer.com/journal/894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114328470&doi=10.1007%2fs00894-021-04885-z&partnerID=40&md5=4b547276edbda559670a26699cc382c6	YES

its potential activity against SARS-CoV-2 virus proteins using molecular dynamics	E.S., Kuthanapillil J.M., Tomlal Jose E., Thomas R.				
Pyran based bipodal D-π-A systems: colorimetric and ratiometric sensing of mercury - experimental and theoretical approach	Vineetha P.K., Krishnan A., Aswathy A., Chandrasekaran P.O., Manoj N.	New Journal of Chemistry	https://pubs.rsc.org/en/journals/journalissues/nj	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115066555&doi=10.1039%2fd1nj01167g&partnerID=40&md5=300ade69e9f97a266bfc49da858e0ff1	YES
Development of highly stable carbon nanotube incorporated polyvinyl alcohol composite films for EMI shielding applications	Lekshmi O., Chandran A., Wilson R., John R.E., Paul I.	NATIONAL CONFERENCE ON PHYSICS AND CHEMISTRY OF MATERIALS	https://www.ncpcm.in/#:~:text=Welcome%20to%20NCPCM%2D2023,-Previous%20Next&text=The%20third%20series%20of%20this,14th%2D16th%20February%2C%202023.	https://www.researchgate.net/publication/354563730_Development_of_highly_stable_carbon_nanotube_incorporated_polyvinyl_alcohol_composite_films_for_EMI_shielding_applications	YES
Flammability and mechanical properties of biochars made in different pyrolysis reactors	Das O., Mensah R.A., George G., Jiang L., Xu Q., Neisiany R.E., Umeki K., Jose E T., Phounglamcheik A., Hedenqvist M.S., Restás Á., Sas G., Försth M., Berto F.	Biomass and Bioenergy	https://www.sciencedirect.com/journal/biomass-and-bioenergy	https://www.sciencedirect.com/science/article/pii/S0961953421002336#:~:text=Unlike%20other%20properties%2C%20the%20design,to%20reinforcement%20in%20polymeric%20composites.	YES

Diazo-pyrazole analogues as photosensitizers in dye sensitised solar cells: Tuning for a better photovoltaic efficiency using a new modelling strategy using experimental and computational data	John A.M., Thomas R., Balakrishnan S.P., Al-Zaqri N., Alsalme A., Warad I.	Zeitschrift fur Physikalische Chemie	https://www.degruyter.com/journal/key/zpch/html?lang=de	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096476084&doi=10.1515%2fzpch-2020-1722&partnerID=40&md5=8f8c1bb8d0e47aae266077339cf427f5	YES
Polyvinylidene fluoride: A multifunctional polymer in supercapacitor applications	Rajeevan S., John S., George S.C.	Journal of Power Sources	https://www.sciencedirect.com/journal/journal-of-power-sources	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107123384&doi=10.1016%2fj.jpowsour.2021.230037&partnerID=40&md5=82ce3988b1641c62f7dc9733a997f875	YES
The proton sponge 1,8-bis(dimethylamino)naphthalene: The quicker-picker-upper also for s-block metal cations?	Bhattacharya U., Thomas R., Puchta R.	Chemical Physics Letters	https://www.sciencedirect.com/journal/chemical-physics-letters	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110441368&doi=10.1016%2fj.cplett.2021.138735&partnerID=40&md5=8ce82010d8b846996b62ab0181ed3b9a	YES
Effect of temperature and frequency on the dielectric properties of cellulose nanofibers from cotton	Jose J., Thomas V., John J., Mathew R.M., Salam J.A., Jose G., Abraham R.	Journal of Materials Science: Materials in Electronics	https://www.springer.com/journal/10854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110895829&doi=10.1007%2fs10854-021-06624-9&partnerID=40&md5=986c63545a0ba86d9974c22bb906dfdc	YES

Phenolic and flavonoid contents in Malva sylvestris and exploration of active drugs as antioxidant and anti-COVID19 by quantum chemical and molecular docking studies	Irfan A., Imran M., Khalid M., Sami Ullah M., Khalid N., Assiri M.A., Thomas R., Muthu S., Raza Basra M.A., Hussein M., Al-Sehemi A.G., Shahzad M.	Journal of Saudi Chemical Society	https://www.sciencedirect.com/journal/journal-of-saudi-chemical-society	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110177895&doi=10.1016%2fj.jscs.2021.101277&partnerID=40&md5=468031e5e66cb7e7b5fee680189af8fd	YES
Surface Plasmon Resonance-Enhanced Bathochromic-Shifted Photoluminescent Properties of Pure and Structurally Modified Electrospun Poly(methyl methacrylate) (PMMA) Nanofibers Incorporated with Green-Synthesized Silver Nanoparticles	Philip P., Jose T., Prakash J., Cherian S.K.	Journal of Electronic Materials	https://www.springer.com/journal/11664	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107452910&doi=10.1007%2fs11664-021-09003-6&partnerID=40&md5=a73bcc6a4afe9f696538f8e2d321c632	YES
Study on the physico-chemical properties, magnetic phase resolution	Anila I., Mathew M.J.	Applied Surface Science	https://www.sciencedirect.com/journal/applied-surface-science	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104362374&doi=10.1016%2fj.apsusc.2021.149791&partnerID=40&md5=fe02c8e23056d13b6c8fc14	YES

and cytotoxicity behavior of chitosan-coated cobalt ferrite nanocubes				abd1397f8	
Quasi liquid Schiff bases from trans-2-hexenal and cytosine and l-leucine with potential antieczematic and antiarthritic activities: Synthesis, structure and quantum mechanical studies	Surendar P., Pooventhiran T., Rajam S., Bhattacharyya U., Bakht M.A., Thomas R.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107815446&doi=10.1016%2fj.molliq.2021.116448&partnerID=40&md5=ca1cc2489c9cdf15391a86ead17014df	YES
Determination of ferrimagnetic and superparamagnetic components of magnetization and the effect of particle size on structural, magnetic and hyperfine properties of Mg0.5Zn0.5Fe2O4 nanoparticles	John S.P., Mathew M J.	Journal of Alloys and Compounds	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103333408&doi=10.1016%2fj.jallcom.2021.159242&partnerID=40&md5=b86bf55f764f1c4002dbfe3d8fb7e343	YES

Electrochemical characterization of orthorhombic tungsten trioxide hydrate for battery applications	Manuja M., Thomas T., John S., Jose J., Jose G.	Journal of Alloys and Compounds	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101790522&doi=10.1016%2fj.jallcom.2021.159234&partnerID=40&md5=6d48c2639dce21a5dccae6a99fbcd4aa	YES
Circular economy in biocomposite development: State-of-the-art, challenges and emerging trends	Shanmugam V., Mensah R.A., Försth M., Sas G., Restás Á., Addy C., Xu Q., Jiang L., Neisiany R.E., Singha S., George G., Jose E T., Berto F., Hedenqvist M.S., Das O., Ramakrishna S.	Composites Part C: Open Access	https://www.sciencedirect.com/journal/composites-part-c-open-access	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108059257&doi=10.1016%2fj.jcomc.2021.100138&partnerID=40&md5=e4f60257d7589360f8959b3d63d199f1	YES
The effect of poly(vinylidene fluoride) binder on the electrochemical performance of graphitic electrodes	Rajeevan S., John S., George S.C.	Journal of Energy Storage	https://www.sciencedirect.com/journal/journal-of-energy-storage	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106289532&doi=10.1016%2fj.est.2021.102654&partnerID=40&md5=229843ae42973dac8119b5a937863f9f	YES
Copper loaded HPfCNT/TiO2 ternary nanohybrids as green and robust catalysts for dehydrogenation of cyclohexanol under visible light	Joseph H.M., Sugunan S.	Materials Science in Semiconductor Processing	https://www.sciencedirect.com/journal/materials-science-in-semiconductor-processing	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102558817&doi=10.1016%2fj.mssp.2021.105784&partnerID=40&md5=be3b824d87484174675a55395854831d	YES

Structurally modified electrospun poly(methyl methacrylate) nanofibers as advanced host matrices for PbS quantum dots	Philip P., Jose T., Vanchippurackal I.V.	Journal of Applied Polymer Science	https://onlinelibrary.wiley.com/journal/10974628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100145978&doi=10.1002%2fapp.50534&partnerID=40&md5=5fd16f0fb56f23abb77452718985ef32	YES
Adsorption of the drug bempedoic acid over different 2D/3D nanosurfaces and enhancement of Raman activity enabling ultrasensitive detection: First principle analysis	Bhattacharya U., Pooventhiran T., Thomas R.	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102042203&doi=10.1016%2fj.saa.2021.119630&partnerID=40&md5=0f5eeea6c7dccec7dda66785c0858104	YES
Gas sensing characteristics of magnesium ferrite and its doped variants	George J., Abraham K.E.	Physica B: Condensed Matter	https://www.sciencedirect.com/journal/physica-b-condensed-matter	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102121749&doi=10.1016%2fj.physb.2021.412958&partnerID=40&md5=adbf9e0edc84c9c7235931cf7629a43d	YES
Studies on the structural and optical properties of samarium β-diketonate complex incorporated electrospun	Philip P., Jose T., Jose A., Cherian S.K.	Luminescence	https://analyticalsciencejournals.onlinelibrary.wiley.com/journal/15227243	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101511097&doi=10.1002%2fbio.4029&partnerID=40&md5=24246666cfa1a5ee0abc458a4b9d40e8	YES

poly(methyl methacrylate) nanofibres with different architectures					
A facile approach for the preparation of polycarbonate nanofiber mat with filtration capability	Baby T., Jose T.E., Aravindkumar C.T., Thomas J.R.	Polymer Bulletin	https://www.springer.com/journal/289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086720383&doi=10.1007%2fs00289-020-03266-5&partnerID=40&md5=6caec72f263860fcf7de514799bf8ef5	YES
Enhancement in photostability of betalain dye from basella Alba fruits using zinc oxide nanoparticles	Muthulingam S., Greeshma K.P., Poornima K., Tamizselvi R., John S., Uthirakumar A.P.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123438776&doi=10.1016%2fj.matpr.2021.08.155&partnerID=40&md5=2da8dfcbf41d795aa64db5d8f8410917	YES
Detailed Study of Three Halogenated Benzylpyrazole Acetamide Compounds with Potential Anticancer Properties	Mary Y.S., Sheena Mary Y., Thomas R., Narayana B.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118615520&doi=10.1080%2f10406638.2021.1988997&partnerID=40&md5=0e78feb47e0e2482baef09b24c47f8b8	YES
Corrosion Inhibition of N80 Steel by Newly Synthesized Imidazoline Based Ionic Liquid in 15% HCl	Guo L., Zhu M., Chang J., Thomas R., Zhang R., Wang P., Zheng X., Lin Y., Marzouki R.	International Journal of Electrochemical Science	http://www.electrochemsci.org/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117914664&doi=10.20964%2f2021.11.15&partnerID=40&md5=96bda3f5bd05b4cb792944c434136279	YES

Medium: Experimental and Theoretical Investigations					
Workload prediction in cloud environment during seasonal trend	Krishnan S., Prasanthi B.G.	12th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021	http://act.theides.org/2021/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117866097&partnerID=40&md5=e23311fd4b5eb722e74a5eeee292df61	YES
On the normalized (Distance) laplacian spectrum of linear dependence graph of a finite-dimensional vector space	Jameson J.M., Indulal G.	Discrete Mathematics Letters	https://www.dmlett.com/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104995442&doi=10.47443%2fdml.2020.0059&partnerID=40&md5=030f1c5bb28ba5a54db8b7a28b9b3f1b	YES
Multilayer adsorption and kinetic studies of dyes on pure and structurally modified poly(Methyl methacrylate) electrospun nanofibers	Philip P., Jose T., Mathew J.T., Kuthanapillil J.M.	Nano Futures	https://iopscience.iop.org/journal/2399-1984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108588649&doi=10.1088%2f2399-1984%2fabf6b2&partnerID=40&md5=8fed8c3711bf5124f7c4493e86f5badd	YES
Fabrication of photoluminescent electrospun poly(styrene-co-methyl methacrylate) nanofibers integrated with LaPO4:Eu3+for	Varkey V., Chandran A.R., Tomlal Jose E., Paul I., Jose G.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114392877&doi=10.1016%2fj.matpr.2021.04.585&partnerID=40&md5=d3e6712a887cd3957d58efdd0b3caacc	YES

optical applications					
Structural, physico-chemical landscapes, ground state and excited state properties in different solvent atmosphere of Avapritinib and its ultrasensitive detection using SERS/GERS on self-assembly formation with graphene quantum dots	Alsalme A., Pooventhiran T., Al-Zaqri N., Rao D.J., Thomas R.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094569625&doi=10.1016%2fj.molliq.2020.114555&partnerID=40&md5=9f58ab8958d8d152fa959d8e8ef50015	YES
Structure, conformational dynamics, quantum mechanical studies and potential biological activity analysis of multiple sclerosis medicine ozanimod	Al-Zaqri N., Pooventhiran T., Rao D.J., Alsalme A., Warad I., Thomas R.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097576500&doi=10.1016%2fj.molstruc.2020.129685&partnerID=40&md5=abd8cdf447bacf646efe94f213742a91	YES
Growth, spectral, optical, electrical and computational analysis of sodium oxalate single crystals	Ramalakshmi R., Stella Mary S., Shahil Kirupavathy S., Muthu S., Thomas R.	Heliyon	https://www.cell.com/heliyon/home	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102899532&doi=10.1016%2fj.heliyon.2021.e06527&partnerID=40&md5=c9d0cd1bf893f19dca3ec1e1307db071	YES

Green synthesised silver nanoparticles incorporated electrospun poly(methyl methacrylate) nanofibers with different architectures for ophthalmologic alternatives	Philip P., Jose T., KS S., Kuriakose S.	Journal of Bioactive and Compatible Polymers	https://journals.sagepub.com/home/jbc	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102235134&doi=10.1177%2f0883911521997856&partnerID=40&md5=5717092deacafe47aff418425aed528c	YES
Solitary waves in a cometary plasma with heavy dust ion pairs	Vineeth S., Prabhakar S., Sebastian S., Abraham N.P.	Physics of Plasmas	https://aip.scitation.org/journal/php	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101878806&doi=10.1063%2f5.0035276&partnerID=40&md5=55c7b63a59d73ca9f2e90a7d6a31a673	YES
Physiochemical responses in coconut leaves infected by spiraling whitefly and the associated sooty mold formation	Arun K., Janeeshma E., Job J., Puthur J.T.	Acta Physiologiae Plantarum	https://www.springer.com/journal/11738	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101012675&doi=10.1007%2fs11738-021-03213-5&partnerID=40&md5=6d96052fd7728b1e19b37c311ea2642d	YES
Giant dielectric constant, dielectric relaxations, and tunable properties of Sm2/3Cu3Ti4O12 ceramics	Thomas A.K., George M., Abraham K., Sajan D.	International Journal of Applied Ceramic Technology	https://ceramics.onlinelibrary.wiley.com/journal/17447402	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099495187&doi=10.1111%2fijac.13663&partnerID=40&md5=fb824c4165e26f9b9065c59948865aee	YES
Structural investigations, quantum mechanical studies on proton and metal affinity and biological activity predictions of selpercatinib	Al-Zaqri N., Pooventhiran T., Alharthi F.A., Bhattacharyya U., Thomas R.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097750706&doi=10.1016%2fj.molliq.2020.114765&partnerID=40&md5=b4acc0cfcaa6f4b2d5812f62dd9f504d	YES

Structural aspects, conformational preference and other physico-chemical properties of Artesunate and the formation of self-assembly with graphene quantum dots: A first principle analysis and surface enhancement of Raman activity investigation	Pooventhiran T., Al-Zaqri N., Alsalme A., Bhattacharyya U., Thomas R.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096856306&doi=10.1016%2fj.molliq.2020.114810&partnerID=40&md5=598fa358f48771c998154d93c7266e98	YES
Excited-state electronic properties, structural studies, noncovalent interactions, and inhibition of the novel severe acute respiratory syndrome coronavirus 2 proteins in Ripretinib by first-principle simulations	Alharthi F.A., Al-Zaqri N., Alsalme A., Al-Taleb A., Pooventhiran T., Thomas R., Rao D.J.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098201449&doi=10.1016%2fj.molliq.2020.115134&partnerID=40&md5=f72a38ac4139e0257889d6cd5e93962e	YES
Highly enhanced dielectric permittivity in CoFe2O4 by the Gd substitution in the octahedral sites	Anjana P., Raj R.S.A., Jose R., Kumari M., Sarun P.M., Sajan D., Joy L.K.	Journal of Alloys and Compounds	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091642062&doi=10.1016%2fj.jallcom.2020.155758&partnerID=40&md5=4f84591a8c52cd341976cb2fe8b13057	YES
Anthracene based photo-tunable	Menon S., Krishnan A., Roy S.	Journal of Photochemistry and	https://www.sciencedirect.com/journal/journal-of-photochemistry-	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094955811&doi=10.1016%	YES

polymers with excimer emission		Photobiology A: Chemistry	and-photobiology-a-chemistry	2fj.jphotochem.2020.112990&partnerID=40&md5=49dc3c2e7bac733c4c7980c57c71ddb8	
An exploration of the optoelectronic nature of 4,4-difluoro-8-(C4H3 X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems	Irfan A., Imran M., Thomas R., Mumtaz M.W., Basra M.A.R., Ullah S., Assiri M.A., Al-Sehemi A.G.	Journal of Computational Electronics	https://www.springer.com/journal/10825	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092597359&doi=10.1007%2fs10825-020-01597-0&partnerID=40&md5=2f608540093af44c07e756d18ce36fac	YES
Structurally modified poly(methyl methacrylate) electrospun nanofibers as better host matrix for noble metal nanoparticles	Philip P., Jose T., Parameswaran M., Thankaraj S.	Journal of Applied Polymer Science	https://onlinelibrary.wiley.com/journal/10974628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096791166&doi=10.1002%2fapp.50210&partnerID=40&md5=95b296513a6bf44c89431612bd19f690	YES
Physiochemical responses in coconut leaves infected by spiraling whitefly and the associated sooty mold formation	Joseph Job	Acta Physiologiae Plantarum 43(41):41	https://link.springer.com/journal/11738/volumes-and-issues	http://dx.doi.org/10.1007/s11738-021-03213-5	YES
Enhancement in carbon monoxide sensing performance by reduced graphene oxide/trimanganese tetraoxide system	John N., Abraham K.E.	Sensors and Actuators, B: Chemical	https://www.sciencedirect.com/journal/sensors-and-actuators-b-chemical	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089822353&doi=10.1016%2fj.snb.2020.128749&partnerID=40&md5=eb6b5d474799f967de1006ea5b8e751c	YES

A facile approach for the preparation of polycarbonate nanofiber mat with filtration capability	Tomlal Jose E	Polymer Bulletin	https://www.springer.com/journal/289	https://link.springer.com/article/10.1007/s00289-020-03266-5	YES
An exploration of the optoelectronic nature of 4,4-difluoro-8-(C4H3X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems	A. Irfan, M. Imran, Renjith Thomas, M.W. Mumtaz, M.A.R. Basra, S. Ullah, M.A. Assiri, A.G. Al-Sehemi	Journal of Computational Electronics (Springer)	https://www.springer.com/journal/10825	https://doi.org/10.1007/s10825-020-01597-0	YES
Modeling the conformational preference, spectroscopic properties, UV light harvesting efficiency, biological receptor inhibitory ability and other physico-chemical properties of five imidazole derivatives	J.S. Al-Otaibi, A.H. Almuqrin, Y.S. Mary, Renjith Thomas	Journal of Molecular Liquids (Elsevier)	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://doi.org/https://doi.org/10.1016/j.molliq.2020.112871	YES

using quantum mechanical and molecular mechanics t					
Spectroscopic, quantum mechanical studies, ligand protein interactions and photovoltaic efficiency modeling of some bioactive benzothiazolinone acetamide analogs	Mary Y.S., Yalcin G., Mary Y.S., Resmi K.S., Thomas R., Önkol T., Kasap E.N., Yildiz I.	Chemical Papers	https://www.springer.com/journal/11696	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077553508&doi=10.1007%2fs11696-019-01047-7&partnerID=40&md5=9d7b14b0a77ecf534de77b9bf321d18e	YES
Spectral characterization, thermochemical studies, periodic SAPT calculations and detailed quantum mechanical profiling various physico-	K. Haruna, V.S. Kumar, S.J. Armaković, S. Armaković, Y.S. Mary, Renjith Thomas, S.A. Popoola, A.R. Almohammedi, M.S. Roxy, A.A.	*Spectrochimica Acta Part A: Molecular* and Biomolecular Spectroscopy (Elsevier)	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://doi.org/10.1016/j.saa.2019.117580	YES

chemical properties of 3, 4-dichlorodiuron	Al-Saadi				
Spectroscopic and TDDFT investigation of highly selective fluoride sensors by substituted acyl hydrazones	A.M. John, J. Jose, Renjith Thomas, K.J. Thomas, S.P. Balakrishnan	*Spectrochimica Acta Part A: Molecular* and Biomolecular Spectroscopy (Elsevier)	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.sciencedirect.com/science/article/abs/pii/S1386142520303073?via%3Dihub	YES
Detailed molecular structure (XRD), conformational search, spectroscopic characterization (IR, Raman, UV, fluorescence), quantum mechanical properties and bioactivity prediction of a pyrrole analogue	K.E. Srikanth, A. Veeraiah, T. Pooventhiran, Renjith Thomas, K.A. Solomon, C.J.S. Raju, J.N.L. Latha	Heliyon (Elsevier)	https://www.sciencedirect.com/journal/heliyon	https://doi.org/10.1016/j.heliyon.2020.e04106	YES

Mechanistic insights can resolve the low reactivity and selectivity issues in intermolecular Rauhut Currier (RC) reaction of γ-hydroxyenone	Z.Ullah, Renjith Thomas	New Journal of Chemistry (RSC)	https://www.rsc.org/journals-books-databases/author-and-reviewer-hub/authors-information/?gclid=CjwKCAiA2L-dBhACEiwAu8Q9YJOlVRA_9DUaaAn26MY9hCrWipAJ-P0tEdj_6AYJHEBHJF0NRgvcwBoCsOwQAvD_BwE	https://doi.org/10.1039/D0NJ02732D.	YES
Structural and physico-chemical evaluation of melatonin and its solution-state excited properties, with emphasis on its binding with novel coronavirus proteins	Al-Zaqri N., Pooventhiran T., Alsalme A., Warad I., John A.M., Thomas R.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089891937&doi=10.1016%2fj.molliq.2020.114082&partnerID=40&md5=2be56df45cb8f261641bd4295e1c7bc0	YES
Cocrystals of hydrochlorothiazide with picolinamide, tetramethylpyrazine and piperazine: quantum mechanical studies, docking and modelling of the photovoltaic efficiency for DSSC	Al-Otaibi J.S., Almuqrin A.H., Mary Y.S., Mary Y.S., Thomas R.	Journal of Molecular Modeling	https://www.springer.com/journal/894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090246556&doi=10.1007%2fs00894-020-04528-9&partnerID=40&md5=f67516755be1ef7bbfb0f8714f467d79	YES
Spectral analysis and detailed quantum	Almuqrin A.H., Al-Otaibi J.S., Mary Y.S., Thomas R.,	Journal of Molecular Modeling	https://www.springer.com/journal/894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090082031&doi=10.1007%2fs00894-020-04485-	YES

mechanical investigation of some acetanilide analogues and their self-assemblies with graphene and fullerene	Kaya S., Işın D.Ö.			3&partnerID=40&md5=a6eb713ff5dca78a096196ad0bab0326	
Hole transport nature exploration of 4,4-Difluoro-8-(C4H3X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems	A. Irfan, M. Imran, Renjith Thomas, M.W. Mumtaz, M.A.R. Basra, S. Ullah, A.G. Al-Sehemi, M.A. Assiri	Molecular Simulation (Taylor and Francis Ltd.)	https://www.tandfonline.com/journals/gmos20	https://doi.org/10.1080/08927022.2020.1820005	YES
Synthesis of Selenium Based DII-A-DI-A-DII Type Small Molecular e-Donors Employing Stille Coupling and Their Thermal, Electrochemical and Photovoltaic Properties	Appalanaidu, E.; Busireddy, M.R.; Srikanth, K.E.; Reddy, B.V.S.; Rao, V.J.; Renjith Thomas.	Chemistry Select (Wiley online Library)	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549	https://doi.org/10.1002/slct.202003216	YES
Corrosion inhibition of mild steel using poly(2-ethyl-2-oxazoline)	Zachariah P. M., Keerthi R., Cyril Augustine, Bincy J., S. John	Heliyon	https://www.cell.com/heliyon/home	https://doi.org/10.1016/j.heliyon.2020.e05560	YES

in 0.1 M HCl solution					
Surface Plasmon Resonance -Enhanced Bathochromic-Shifted Photoluminescent Properties of Pure and Structurally Modified Electrospun Poly(methyl methacrylate) (PMMA) Nanofibers Incorporated with Green-Synthesized Silver Nanoparticles	Princy Philip, Tomlal Jose, Jithin Prakash, Shijo K. Cherian.	Journal of Electronic Materials	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-021-09003-6	YES

Studies on the structural and optical properties of samarium β-diketonate complex incorporated electrospun poly(methyl methacrylate) nanofibers with different architectures	Princy Philip, Tomlal Jose, Adon Jose, Shijo K. Cherian.	The Journal of Biological and Chemical Luminescence	https://analyticalsciencejournals.onlinelibrary.wiley.com/journal/15227243	https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/abs/10.1002/bio.4029	YES
Studies on the structural and optical properties of pure and structurally modified electrospun poly(methyl methacrylate) nanofibers incorporated with lanthanide complex	Philip P., Jose T., K V D., kuthanappilly J.M.	Polymer-Plastics Technology and Materials	https://www.tandfonline.com/toc/lpte21/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098740883&doi=10.1080%2f25740881.2020.1867173&partnerID=40&md5=efc63b4d4a36f2b89bbdfb90119cd887	YES
Markovnikov versus anti-Markovnikov addition and C–H activation: Pd–Cu synergistic catalysis	Ullah Z., Thomas R.	Applied Organometallic Chemistry	https://onlinelibrary.wiley.com/journal/10990739	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093512505&doi=10.1002%2faoc.6077&partnerID=40&md5=930a712794e9cd49e3c36b5e90f36ef1	YES
Exploring the effect of oligothiophene and acene	Irfan A., Imran M., Thomas R., Basra M.A.R., Ullah S., Al-	Journal of Sulfur Chemistry	https://www.tandfonline.com/toc/gsrp20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092604486&doi=10.1080%2f17415993.2020.1830401&p	YES

cores on the optoelectronic properties and enhancing p- and n-type ability of semiconductor materials	Sehemi A.G., Assiri M.A.			artnerID=40&md5=ef7cc0829c676e46f051bd6728fb514d	
Structure, Spectral Features, Bioactivity and Light Harvesting Properties of Methyl and Dimethyl Anthracene: Experimental and First Principle Studies	Rao D.J., Mary Y.S., Mary Y.S., Resmi K.S., Thomas R.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077880773&doi=10.1080%2f10406638.2019.1709083&partnerID=40&md5=5645ec0a9506673497f2a5f2ceb2a0db	YES
Spectroscopic and Theoretical Studies of Potential Anti-Inflammatory Polycyclic Aromatic Fluorophenyl Substituted Acyclic and Heterocyclic Analogues Synthesized from 4,4'-Difluorophenyl chalcone	Sheena Mary Y., Shyma Mary Y., Thomas R., Resmi K.S., Narayana B., Samshuddin S., Sarojini B.K.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076883433&doi=10.1080%2f10406638.2019.1699836&partnerID=40&md5=e13352909d12a1d5e72b2dfe88915502	YES
Quantum Mechanical Studies of Three Aromatic Halogen-Substituted Bioactive Sulfonamidobenzoxazole Compounds with Potential	Sheena Mary Y., Ertan-Bolelli T., Thomas R., Krishnan A.R., Bolelli K., Kasap E.N., Onkol T., Yildiz I.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074971165&doi=10.1080%2f10406638.2019.1689405&partnerID=40&md5=5803ed0ed7cae49bb3957d5588d941e1	YES

Light Harvesting Properties					
Theoretical Studies on the Structure and Various Physico-Chemical and Biological Properties of a Terphenyl Derivative with Immense Anti-Protozoan Activity	Mary Y.S., Mary Y.S., Thomas R., Narayana B., Samshuddin S., Sarojini B.K., Armaković S., Armaković S.J., Pillai G.G.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066974887&doi=10.1080%2f10406638.2019.1624974&partnerID=40&md5=ae160b0e62606b382ee7a1d503d076e1	YES
Modelling the structural and reactivity landscapes of tucatinib with special reference to its wavefunction-dependent properties and screening for potential antiviral activity	Alsalme A., Pooventhiran T., Al-Zaqri N., Rao D.J., Rao S.S., Thomas R.	Journal of Molecular Modeling	https://www.springer.com/journal/894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096163114&doi=10.1007%2fs00894-020-04603-1&partnerID=40&md5=4f61294d8810372d31914d706086b7ea	YES
Exploration of electronic nature and intrinsic mobility of 10-(1,3-dithiol-2-ylidene)anthracene based organic semiconductor materials	Irfan A., Imran M., Thomas R., Mumtaz M.W., Qayyum M.A., Ullah S., Assiri M.A., Al-Sehemi A.G.	Optik	https://www.sciencedirect.com/journal/optik	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091677146&doi=10.1016%2fj.ijleo.2020.165530&partnerID=40&md5=dad5a63136ec3ae7d98bad79d1d34465	YES
Detailed spectra, electronic properties, qualitative non-covalent interaction	Pooventhiran T., Bhattacharyya U., Rao D.J., Chandramohan V., Karunakar P.,	Structural Chemistry	https://www.springer.com/journal/11224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089292526&doi=10.1007%2fs11224-020-01607-8&partnerID=40&md5=6e2705db209fb7c4dc583fec73a92722	YES

analysis, solvatochromism, docking and molecular dynamics simulations in different solvent atmosphere of cenobamate	Irfan A., Mary Y.S., Thomas R.				
Dust acoustic solitary waves in a five-component cometary plasma with charge variation	Varghese A., Saritha A.C., Willington N.T., Michael M., Sebastian S., Sreekala G., Venugopal C.	Journal of Astrophysics and Astronomy	https://www.springer.com/journal/12036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085306463&doi=10.1007%2fs12036-020-09630-1&partnerID=40&md5=13184f40f9245e7a90eebe90ff5da784	YES
UV-responsive glycosomes as frameworks for FRET: The quest for bio-inspired energy transfer systems	Sajith Menon, Aravind Krishnan, Smitha Roy	Journal of Photochemistry and Photobiology A	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-a-chemistry	https://www.sciencedirect.com/science/article/abs/pii/S1010603020307243	YES
Slow Down of the Indian Economy	George Mathew	Wesleyan Journal of Research	http://www.wesleyanjournal.in/	https://scroll.in/article/1035121/as-a-slowdown-looms-how-long-will-indias-economic-and-geopolitical-sweet-spot-last	YES

A study on the role of trust & personalised communication on customer commitment in banking sector with special reference to Kottayam District	Hima Anil	Wesleyan Journal of Research	http://www.wesleyanjournal.in/	https://www.xisdxjxsu.asia/V17I9-26.pdf	YES
Social Presence influence of purchase behaviour Scale Development & Validation	Aswathy Sadasivan	Wesleyan Journal of Research	http://www.wesleyanjournal.in/	https://www.tojqi.net/index.php/journal/article/view/5554	YES
E-waste management practises among households in Kerala	Joice, Johnson K (2020)	International Journal of Advance Engineering and Research Development	https://www.ijaerd.com/index.php/IJAERD	https://www.ijrte.org/wp-content/uploads/papers/v8i6/F8817038620.pdf	YES
Prevalence and Pattern of Consumption of Alcoholic Beverages in Kerala: A Study of College Students in Central Kerala,	Tom, J., Gaurav, K (2020)	Research Journal of Humanities and Social Sciences,	https://www.rjhssonline.com/	https://www.researchgate.net/publication/314253347_Prevalence_of_alcohol_use_among_high_school_students_the_pattern_of_consumption_and_the_physical_circumstances_associated_with_alcoholism_in_an_urban_area_of_Kerala_India	YES

Magnitude and Determinants of Digital Divide among the Users of Online Education In Kerala	Tom, J., Gaurav, K (2020)	Shodh Sanchar Bulletin UGC Care Group I Journal	https://www.researchgate.net/publication/356084616_APPROVED_UGC_CARE_SHODH_SANCHAR_BULLETIN_AN_INTERNATIONAL_BILINGUAL_PEER_REVIEWED_REFEREED_RESEARCH_JOURNAL_Principles_of_a_CALL_Evaluation_to_Improve_Communicative_Competence_in_English	https://www.researchgate.net/publication/357384947_COVID-19_and_online_education_Digital_inequality_and_other_dilemmas_of_rural_students_in_accessing_online_education_during_the_pandemic	YES
The Anatomy of Retail Auto Fuel Prices In India,	Tom, J., Gaurav, K (2020)	Shodh Sarita UGC Care Group I Journal	http://seresearchfoundation.in/shodhsarita/	https://www.carandbike.com/news/explained-how-fuel-prices-are-calculated-in-india-2463120	YES
Unveiling the Camusian Elements of Absurdism in Anton Chekhov's "The Death of a Government Clerk" and "Gooseberries"	Dr Binny Mathew	Journal of Xi'an Shiyou University, Natural Science Edition	https://www.xisdxjxsu.asia/	https://www.xisdxjxsu.asia/V17I8-24.pdf	YES
Balabhyasanavum Bhashayude Arividangalum,	Joseph Skariah	Bhashaposhini	https://www.wikiwand.com/en/Bhashaposhini	https://www.wikiwand.com/en/Bhashaposhini	YES
Thalasserry Rekhakalum Nighandukkalum Bhashayude Vikasacharithrathil	Joseph Skariah	Malayalappacha	https://mrjc.in/index.php/malayalapachcha	https://mrjc.in/index.php/malayalapachcha	YES

Kuttanadan Nattarivukalum Edanadan pattukalum	Joseph Skariah	Vijnana Kairali	https://www.keralabhashainstitute.org/node/173	https://www.keralabhashainstitute.org/node/173	YES
Sankethikavidyayum Novelum	Joseph Skariah	TAPASAM		NA	YES
On the normalized (distnace) Laplacian spectrum of linear dependence graph of a finite dimensional vector space.	Jinu Mary Jameson	Discrete Mathematics Letters	https://www.dmlett.com/	https://www.dmlett.com/archive/v5/DML21_v5_pp49-55.pdf	YES
Isolation and Identification of Microorganisms from Total Petroleum Hydrocarbon-Contaminated Soil Sites.	Jiji, J.	Malaysian Journal of Soil Science	https://www.msss.com.my/mjss/	https://mjl.clarivate.com:/search-results?issn=1394-7990&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	YES
Response of the equatorial ionosphere to the annular solar eclipse of 15 January 2010.	Jose, L., Vineeth, C., Pant, T. K., & Kumar, K. K.	Journal of Geophysical Research: Space Physics,	https://books.google.co.in/books?id=VCUqEAAAQBAJ&pg=PA350&lpg=PA350&dq=%22Journal+of+Geophysical+Research:+Space+Physics,+%22&source=bl&ots=ofDMo03Ht1&sig=ACfU3U07kEvSWpW0VKb19K5-ZfyXBOc8KQ&hl=en&sa=X&ved=2ahUKEwiVjZ2HiKT8AhX2S2wGHaQ3D_MQ6AF6BAgJEAM#v=onepage&q=%22Journal	https://doi.org/10.1029/2019JA027348	YES

			%20of%20Geophysical%20Research%3A%20Space%20Physics%2C%20%22&f=false		
Direct Bandgap-like Strong Photolumi nescence from Twisted Multilayer MoS2 grown on SrTiO3 Direct Bandgap-like Strong Photolumi nescence from Twisted Multilayer MoS2 grown on SrTiO3	Soumya Sarkar, Sinu Mathew*, Ashutosh Rath, Majid Panahande h-Fard, Surajit Saha, Sreetosh Goswami, Mary Scott, Thirumalai Venkatesa n	ACS Nano	https://pubs.acs.org/journal/ancac3	https://pubs.acs.org/doi/abs/10.1021/acsnano.0c04801	YES
A study on antennal sensilla of the female worker castes of *Tetragonula iridipennis* (Smith) (Hymenoptera: Apidae).	Martin J. Babu and Sujitha C.R.	Halteres	https://www.britannica.com/science/haltere	https://zenodo.org/record/4406280#.Yz5nFHZBzIU	YES

Potential effects of endocrine disruptors on various organisms	Ann Mary Jacob and Jose D Kaippallil	Journal of Basic and Applied Research in Biomedicine	https://www.jbarbiomed.com/index.php/home	NA	YES
Hole transport nature exploration of 4,4-Difluoro-8-(C4H3X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems	Irfan A., Imran M., Thomas R., Mumtaz M.W., Basra M.A.R., Ullah S., Al-Sehemi A.G., Assiri M.A.	Molecular Simulation	https://ieeexplore.ieee.org/document/8927022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091140839&doi=10.1080%2f08927022.2020.1820005&partnerID=40&md5=c0be3a257c17ed775c16bbe89ecddae9	Yes
Corrosion inhibition of mild steel using poly (2-ethyl -2-oxazoline) in 0.1M HCl solution	Mathew Z.P., Rajan K., Augustine C., Joseph B., John S.	Heliyon	https://www.cell.com/heliyon/home	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096594674&doi=10.1016%2fj.heliyon.2020.e05560&partnerID=40&md5=b3b2d4689b84d47f7983169dced4c5e8	Yes
Corrigendum to "Amidoxime modified PAN supported palladium complex: A greener and efficient heterogeneous catalyst for heck reaction" [Inorg. Chim. Acta 502 (2020), 119305] (Inorganica Chimica Acta (2020) 502,	Sruthi P.R., Sarika V., Suku A., Krishnan A., Anas S.	Inorganica Chimica Acta	https://www.sciencedirect.com/journal/inorganica-chimica-acta	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084608831&doi=10.1016%2fj.ica.2020.119742&partnerID=40&md5=4f6071247154a299c49ce47b68249869	Yes

(S0020169319314148), (10.1016/j.ica.2019.119305))					
Response of the Equatorial Ionosphere to the Annular Solar Eclipse of 15 January 2010	Jose L., Vineeth C., Pant T.K., Kumar K.K.	Journal of Geophysical Research: Space Physics	https://agupubs.onlinelibrary.wiley.com/journal/21699402	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089919382&doi=10.1029%2f2019JA027348&partnerID=40&md5=6a1dc808cf17d611d3eaabd83dc5d1d0	Yes
Modeling the conformational preference, spectroscopic properties, UV light harvesting efficiency, biological receptor inhibitory ability and other physico-chemical properties of five imidazole derivatives using quantum mechanical and molecular mechanics tools	Al-Otaibi J.S., Almuqrin A.H., Mary Y.S., Thomas R.	Journal of Molecular Liquids	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083820804&doi=10.1016%2fj.molliq.2020.112871&partnerID=40&md5=dd53e3e0945af5e380213c0f3db33b44	Yes

Efficacy of embelia tsjeriam-cottam (Roem. & schult.) a. dc. in calcium chelation	Sebastian A., Mathew J.T., Jose T., George K.V., Antony V.T.	International Journal of Research in Pharmaceutical Sciences	https://ijrps.com/index.php/home	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090648192&doi=10.26452%2fijrps.v11i3.2742&partnerID=40&md5=e9de29f428b08944c70985ec08efd0f2	Yes
Effects of Nonextensive Ions (Heavier and Lighter) on Ion Acoustic Solitary Waves in a Magnetized Five Component Cometary Plasma with Kappa Described Electrons	Manesh M., Anu V., Neethu T.W., Sijo S., Sreekala G., Venugopal C.	Plasma Physics Reports	https://www.pleiades.online/en/journal/plasphys/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084990381&doi=10.1134%2fS1063780X20050062&partnerID=40&md5=ef946830f745c15d2b8fe520d0a4f8b7	Yes
Experimental and computational analysis of 1-(4-chloro-3-nitrophenyl)-3-(3,4-dichlorophenyl)thiourea	Bielenica A., Beegum S., Mary Y.S., Mary Y.S., Thomas R., Armaković S., Armaković S.J., Madeddu S., Struga M., Van Alsenoy C.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077490940&doi=10.1016%2fj.molstruc.2019.127587&partnerID=40&md5=bcc945e109f1334bc7792c55f24a34ec	Yes
Catalytic activity of Derris trifoliata stabilized gold and silver nanoparticles in the reduction of isomers of nitrophenol	Cyril N., George J.B., Nair P.V., Joseph L., Sunila C.T., Smitha V.K., Anila B.N., Sylas V.P.	Nano-Structures and Nano-Objects	https://www.sciencedirect.com/journal/nano-structures-and-nano-objects	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079855036&doi=10.1016%2fj.nanoso.2020.100430&partnerID=40&md5=ea56d027d02ce9509c5dfdae5e7939ae	Yes

and azo violet					
Intricate spectroscopic profiling, light harvesting studies and other quantum mechanical properties of 3-phenyl-5-isooxazolone using experimental and computational strategies	Priya Y.S., Rao K.R., Chalapathi P.V., Veeraiah A., Srikanth K.E., Mary Y.S., Thomas R.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075917492&doi=10.1016%2fj.molstruc.2019.127461&partnerID=40&md5=f5d29112c17dec32d9e0c96fc460a2b6	Yes
Spectral characterization, thermochemical studies, periodic SAPT calculations and detailed quantum mechanical profiling various physico-chemical properties of 3,4-dichlorodiuron	Haruna K., Kumar V.S., Armaković S.J., Armaković S., Mary Y.S., Thomas R., Popoola S.A., Almohammedi A.R., Roxy M.S., Al-Saadi A.A.	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075367929&doi=10.1016%2fj.saa.2019.117580&partnerID=40&md5=cae0c0acc04f118ea10fc579c6b755b5	Yes
Amidoxime modified PAN supported palladium complex: A greener and	Sruthi P.R., Sarika V., Suku A., Krishnan A., Anas S.	Inorganica Chimica Acta	https://www.sciencedirect.com/journal/inorganica-chimica-acta	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076252401&doi=10.1016%2fj.ica.2019.119305&partnerID=40&md5=efa8c62880a8cbddb015375a15	Yes

efficient heterogeneous catalyst for heck reaction				0270fb	
Hybrid and bioactive cocrystals of pyrazinamide with hydroxybenzoic acids: Detailed study of structure, spectroscopic characteristics, other potential applications and noncovalent interactions using SAPT	Al-Otaibi J.S., Mary Y.S., Armaković S., Thomas R.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075380185&doi=10.1016%2fj.molstruc.2019.127316&partnerID=40&md5=5c4b551e2a63bccd6203234a4c85fe66	Yes
Co-crystals of urea and hexanedioic acid with third-order nonlinear properties: An experimental and theoretical enquiry	Jeeva S., Muthu S., Thomas R., Raajaraman B.R., Mani G., Vinitha G.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074166863&doi=10.1016%2fj.molstruc.2019.127237&partnerID=40&md5=c7b8369b8621cff56abb015a8ed911da	Yes
Origin of colossal dielectric behavior in hydrothermally prepared non-stoichiometric α-MnO2 nanorods	John R.E., Chandran A., Samuel M., Thomas M., George K.C.	Physica E: Low-Dimensional Systems and Nanostructures	https://www.sciencedirect.com/journal/physica-e-low-dimensional-systems-and-nanostructures	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072265578&doi=10.1016%2fj.physe.2019.113720&partnerID=40&md5=c20b912b10c3c101e15d1c068b6d0def	Yes

Synthesis, spectral properties, chemical descriptors and light harvesting studies of a new bioactive azo imidazole compound	Kumar V.S., Mary Y.S., Pradhan K., Brahman D., Mary Y.S., Thomas R., Roxy M.S., Alsenoy C.V.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071970211&doi=10.1016%2fj.molstruc.2019.127035&partnerID=40&md5=213a3e927795242415d38af1b4cfb964	Yes
Exploring the detailed spectroscopic characteristics, chemical and biological activity of two cyanopyrazine-2-carboxamide derivatives using experimental and theoretical tools	Beegum S., Mary Y.S., Mary Y.S., Thomas R., Armaković S., Armaković S.J., Zitko J., Dolezal M., Van Alsenoy C.	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069910675&doi=10.1016%2fj.saa.2019.117414&partnerID=40&md5=840e841e463d0329807606f3e390d6ed	Yes
Development and characterization of organoclay filled polyetherimide nanocomposites for anticorrosive coatings	James Jose A., Chacko F., Wilson R., Alagar M.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103704268&doi=10.1016%2fj.matpr.2020.05.232&partnerID=40&md5=e19cbe46fa749c05c0edf3ed146f4688	Yes

First-Principle Studies of Istradefylline with Emphasis on the Stability, Reactivity, Interactions and Wavefunction-Dependent Properties	Al-Zaqri N., Pooventhiran T., Alsalme A., Rao D.J., Rao S.S., Sankar A., Thomas R.	Polycyclic Aromatic Compounds	https://www.tandfonline.com/toc/gpol20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097441845&doi=10.1080%2f10406638.2020.1857273&partnerID=40&md5=5405e958686f72ed722ec264e7dc9f29	Yes
Mechanistic insights can resolve the low reactivity and selectivity issues in intermolecular Rauhut–Currier (RC) reaction of c-hydroxyenone†	Ullah Z., Thomas R.	New Journal of Chemistry	https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&adv	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094581764&doi=10.1039%2fd0nj02732d&partnerID=40&md5=fda6d6f161bf09c87aa76877f87e62f9	Yes
Eleven new records of lichens to the state of Kerala, India	Zachariah S.A., Nayaka S., Joseph S., Gupta P., Varghese S.K.	Journal of Threatened Taxa	https://threatenedtaxa.org/JoTT	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088802962&doi=10.11609%2fjott.5475.12.10.16402-16406&partnerID=40&md5=104cd43bbfac88983d7b74354d960c75	Yes
Structural study of letrozole and metronidazole and formation of self-assembly with graphene	Almuqrin A.H., Al-Otaibi J.S., Mary Y.S., Mary Y.S., Thomas R.	Journal of Biomolecular Structure and Dynamics	https://www.tandfonline.com/journals/tbsd20	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087772043&doi=10.1080%2f07391102.2020.1790420&partnerID=40&md5=1fdb5e315159461fc0fb729a0f5673a3	Yes

and fullerene with the enhancement of physical, chemical and biological activities					
Effect of Structural Water on the Dielectric Properties of Hydrated Tungsten Trioxide	Manuja M., Sarath K.V., Thomas T., Jose J., Jose G.	Journal of Electronic Materials	https://www.springer.com/journal/11664	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078785492&doi=10.1007%2fs11664-020-07948-8&partnerID=40&md5=c0c60398874ed7778d0c473947d087d2	Yes
Syntheses, characterizations, crystal structures, DFT/TD-DFT, luminescence behaviors and cytotoxic effect of bicompartmental Zn (II)-dicyanamide Schiff base coordination polymers: An approach to apoptosis, autophagy and necrosis type classical cell death	Majumdar D., Agrawal Y., Thomas R., Ullah Z., Santra M.K., Das S., Pal T.K., Bankura K., Mishra D.	Applied Organometallic Chemistry	https://onlinelibrary.wiley.com/journal/10990739	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075209759&doi=10.1002%2faoc.5269&partnerID=40&md5=342ca460530d4b78a5c9d957ef35146f	Yes

Retraction notice to "Synthesis, spectral characterisation, quantum mechanical analysis and light harvesting properties of two azoimidazole analogues" [J. Mol. Struct. 1197 (2019) 45–55](S0022286019306167)(10.1016/j.molstruc.2019.05.051)	Smitha M., Mary Y.S., Pradhan K., Brahman D., Mary Y.S., Thomas R., Pavithran R., Alsenoy V.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072613906&doi=10.1016%2fj.molstruc.2019.127075&partnerID=40&md5=a9e8782417b0ade7324fba3b9f132bb8	Yes
Quantum mechanical and photovoltaic studies on the cocrystals of hydrochlorothiazide with isonazid and malonamide	Al-Otaibi J.S., Mary Y.S., Mary Y.S., Thomas R.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070005985&doi=10.1016%2fj.molstruc.2019.07.110&partnerID=40&md5=ed3522458ddb82f24104f84fbc6f555e	Yes
Synthesis, spectral characterisation, quantum mechanical analysis and light harvesting properties of two azoimidazole analogues	Smitha M., Mary Y.S., Pradhan K., Brahman D., Mary Y.S., Thomas R., Pavithran R., Alsenoy C.V.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068751658&doi=10.1016%2fj.molstruc.2019.05.051&partnerID=40&md5=ca1ee1fb74f4164aa93680c9e2843d1c	Yes

Design, synthesis and characterization of enzyme-analogue-built polymer catalysts as artificial hydrolases	Mathew D., Thomas B., Devaky K.S.	Artificial Cells, Nanomedicine and Biotechnology	https://www.tandfonline.com/toc/ianb20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064209665&doi=10.1080%2f21691401.2019.1576703&partnerID=40&md5=69e196480390c4727c00164f52a6984f	Yes
Characteristics of a nationwide voluntary antibiotic resistance awareness campaign in India; future paths and pointers for resource limited settings/low and middle income countries	Tamhankar A.J., Nachimuthu R., Singh R., Harindran J., Meghwanshi G.K., Kannan R., Kumar N.S., Negi V., Jacob L., Bhattacharya S., Sahoo K.C., Mahadik V.K., Diwan V., Sharma M., Pathak A., Khedkar S.U., Avhad D., Saxena S., Nerkar S., Venu V., Kumar S., Shandeepan G., Singh K.R., Gashnga R., Kumar A.	International Journal of Environmental Research and Public Health	https://www.mdpi.com/journal/ijerph	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076885164&doi=10.3390%2fijerph16245141&partnerID=40&md5=17c4c2493dd4f20a18eb85a7d047e4e8	Yes
A new approach for the shaping up of very fine and beadless UV light absorbing polycarbona	Baby T., Jose E T., George G., Varkey V., Cherian S.K.	Polymer Testing	https://www.sciencedirect.com/journal/polymer-testing	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071976225&doi=10.1016%2fj.polymertesting.2019.106103&partnerID=40&md5=0dca357d3b72f6c2a721a98b35ab47f7	Yes

te fibers by electrospinning					
Unraveling the effects Mn-site doping on structural, magnetic and magnetotransport properties of Nd0.67Sr0.33Mn0.9T0.1O3 (T= Mn, Fe, Cr, Ni)	Joseph S., John R.E., Saban K.V.	Ceramics International	https://www.sciencedirect.com/journal/ceramics-international	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068559525&doi=10.1016%2fj.ceramint.2019.07.107&partnerID=40&md5=27f32093b5f1cdd8fa256ac9fce5017e	Yes
Computational Design and Fabrication of Enantioselective Recognition Sorbents for L-phenylalanine Benzyl Ester on Multiwalled Carbon Nanotubes Using Molecular Imprinting Technology	Sajini T., Thomas R., Mathew B.	Chinese Journal of Polymer Science (English Edition)	https://www.springer.com/journal/10118/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068168594&doi=10.1007%2fs10118-019-2282-4&partnerID=40&md5=494b5ef9d7966cbc3a2eb2928221454d	Yes
Recent Advances in Cross-linked Polyethylene-based Nanocomposites for High Voltage Engineering Applications	Thomas J., Joseph B., Jose J.P., Maria H.J., Main P., Ali Rahman A., Francis B., Ahmad Z., Thomas S.	Industrial and Engineering Chemistry Research	https://pubs.acs.org/journal/iecred?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075635902&doi=10.1021%2facs.iecr.9b02172&partnerID=40&md5=e5dce78fcf84243d181489346700e1d5	Yes

: A Critical Review					
Detailed quantum mechanical, molecular docking, QSAR prediction, photovoltaic light harvesting efficiency analysis of benzil and its halogenated analogues	Mary Y.S., Mary Y.S., Resmi K.S., Kumar V.S., Thomas R., Sureshkumar B.	Heliyon	https://www.cell.com/heliyon/home	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074893804&doi=10.1016%2fj.heliyon.2019.e02825&partnerID=40&md5=88aeeba81d24a14634fda0353d33c9e1	Yes
Multifunctional transition metal doped Sb2O3 thin film with high near-IR transmittance, anti-reflectance and UV blocking features	Divya K.V., Abraham K.E.	Applied Surface Science	https://www.sciencedirect.com/journal/applied-surface-science	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069692407&doi=10.1016%2fj.apsusc.2019.07.062&partnerID=40&md5=5a86b893848b83143ff397fa3578a986	Yes
The effect of zinc doping on the surface roughness, near IR transmitting and reflecting properties of antimony trioxide thin film	Divya K.V., Kurien N.A., John N.R., Abraham K.E.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074773692&doi=10.1063%2f1.5130341&partnerID=40&md5=57f40fa8a87754703ea3de6276c8ae7c	Yes

Exploring the dielectric behavior of Titania Tenorite nanocomposites	Kurien N.A., Divya K.V., Thomas P., Abraham K.E.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074767758&doi=10.1063%2f1.5130235&partnerID=40&md5=dcd113864f673332d4c8a6f0cc20e7e8	Yes
Electrical properties of Mn3O4 nanorods developed through aluminum anodic membranes	John N., Divya K.V., Abraham K.E.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074767737&doi=10.1063%2f1.5130222&partnerID=40&md5=e4e243ac320d1b61f542d0f9b1b9b646	Yes
Electron trapping action of functionalized carbon nanotubes and PEDOT: PSS nanocomposite in inverted perovskite solar cell	Albert A., Sreelekshmi N., Jinchu I., Sreelatha K.S., Sreekala C.O.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074767674&doi=10.1063%2f1.5130332&partnerID=40&md5=c49a2c0ecfbeab73359204bb873f5bda	Yes
Influence of pH on structural and magnetic properties of nanocrystalline cobalt ferrites synthesized by sol-gel method	Anila I., Mathew M.J.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074759245&doi=10.1063%2f1.5130287&partnerID=40&md5=3f2f20d5c91aff017877e871055cd3c6	Yes
Magneto caloric effects of (Gd1-xPrx)5Si2.1Ge1.8Sn0.1 alloys in low	Xavier J., Saban K.V.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074756905&doi=10.1063%2f1.5130219&partnerID=40&md5=b6278b47d8bdd4f4d2ae138cfa2bec83	Yes

magnetic field near room temperature					
Characterization and magnetic phase resolution of CoFe 2 O 4 nanocubes and nanospheres	Cheriyan R.M., Anila I., Mathew M.J.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074756792&doi=10.1063%2f1.5130308&partnerID=40&md5=66fc796760d0c6f4b90942fd496f038a	Yes
Preparation and characterization of luminescent polycarbonate nanofibers embedded with surface capped CdS nanoparticles	Baby T., Jose E.T.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074753307&doi=10.1063%2f1.5130223&partnerID=40&md5=36943b5f2757ce5164b225b444de3e11	Yes
A novel route for the synthesis of gamma phased Fe2O3 nano particles through polymer assisted spray pyrolysis	Sadanandan A.K., Mathew M.J.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074747155&doi=10.1063%2f1.5130367&partnerID=40&md5=120cf7009339a32c7078472a666a0c30	Yes
Anti-Cancerous Brucine and Colchicine: Experimental and Theoretical Characterization	Afzal A., Thayyil M.S., Shariq M., Mary Y.S., Resmi K.S., Thomas R., Islam N., Abinu A.J.	ChemistrySelect	https://chemistry-europe.onlinelibrary.wiley.com/toc/23656549/2022/7/27	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074163118&doi=10.1002%2fslct.201902698&partnerID=40&md5=ca62cd38e1c583f3f62708c61e14ecac	Yes

Rational design and tailoring of imprinted polymeric enantioselective sensor layered on multiwalled carbon nanotubes for the chiral recognition of d-mandelic acid	Sajini T., John S., Mathew B.	Polymer Chemistry	https://www.rsc.org/journals-books-databases/about-journals/polymer-chemistry/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073356199&doi=10.1039%2fc9py01003c&partnerID=40&md5=0596bcaa1261b7689e83d4dde2ea9656	Yes
Structural and optical properties of synthesized poly(methyl methacrylate) (PMMA) and lanthanide β-diketonate complexes incorporated electrospun PMMA nanofibres for optical devices	Philip P., Thomas P., Jose E.T., Philip K.C., Thomas P.C.	Bulletin of Materials Science	https://www.springer.com/journal/12034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068074094&doi=10.1007%2fs12034-019-1893-2&partnerID=40&md5=61408d71a49480d8456d10b12e712711	Yes
Tailoring of photo-responsive molecularly imprinted polymers on multiwalled carbon nanotube as an enantioselective sensor and sorbent for L-PABE	Sajini T., John S., Mathew B.	Composites Science and Technology	https://www.sciencedirect.com/journal/composites-science-and-technology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067313219&doi=10.1016%2fj.compscitech.2019.06.003&partnerID=40&md5=de555f350ee1cec03eab33aed4d248dd	Yes

A cost effective and facile approach to prepare beadless polycarbonate nanofibers with ultrafine fiber morphology	Baby T., Jose E T., Thomas P.C., Mathew J.T.	Polymer Engineering and Science	https://4spepublications.onlinelibrary.wiley.com/journal/15482634	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069894143&doi=10.1002%2fpen.25180&partnerID=40&md5=d3644130614d698382d9a4180d168eee	Yes
Temporal variations of the solar EUV network properties	Varghese B.S., Raju K.P., Kurian P.J.	Journal of Astrophysics and Astronomy	https://www.springer.com/journal/12036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070393901&doi=10.1007%2fs12036-019-9602-5&partnerID=40&md5=26f853a102973391016c73e2b4a82376	Yes
DFT and molecular docking investigations of oxicam derivatives	Mary Y.S., Mary Y.S., Resmi K.S., Thomas R.	Heliyon	https://www.cell.com/heliyon/home	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069876154&doi=10.1016%2fj.heliyon.2019.e02175&partnerID=40&md5=21762a91b2f445eb69b031eb09050318	Yes
An Insight into Photophysical Investigation of (E)-2-Fluoro-N'-(1-(4-Nitrophenyl) Ethylidene) Benzohydrazide through Solvatochromism Approaches and Computational Studies	Thadathil D.A., Varghese S., Akshaya K.B., Thomas R., Varghese A.	Journal of Fluorescence	https://www.springer.com/journal/10895	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068993872&doi=10.1007%2fs10895-019-02415-y&partnerID=40&md5=aa0a785ef51f876815bce27034c89b1d	Yes

Syntheses, X-ray crystal structures of two new Zn(II)-dicyanamide complexes derived from H2vanen-type compartmental ligands: Investigation of thermal, photoluminescence, in vitro cytotoxic effect and DFT-TDDFT studies	Majumdar D., Das S., Thomas R., Ullah Z., Sreejith S.S., Das D., Shukla P., Bankura K., Mishra D.	Inorganica Chimica Acta	https://www.sciencedirect.com/journal/inorganica-chimica-acta	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064823311&doi=10.1016%2fj.ica.2019.04.041&partnerID=40&md5=7f8a1907171a23c6cc5bde5e57113c64	Yes
Conformational profile, vibrational assignments, NLO properties and molecular docking of biologically active herbicide1,1-dimethyl-3-phenylurea	Haruna K., Kumar V.S., Sheena Mary Y., Popoola S.A., Thomas R., Roxy M.S., Al-Saadi A.A.	Heliyon	https://www.cell.com/heliyon/home	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067800306&doi=10.1016%2fj.heliyon.2019.e01987&partnerID=40&md5=087a29f9e4b4b6aed11a649ce5836278	Yes
Identification of Lead Molecules in Garcinia mangostana L. Against Pancreatic Cholesterol Esterase Activity: An In Silico Approach	Varghese G.K., Abraham R., Chandran N.N., Habtemariam S.	Interdisciplinary Sciences: Computational Life Sciences	https://www.springer.com/journal/12539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060982530&doi=10.1007%2fs12539-017-0252-5&partnerID=40&md5=53a5b7b5d88db7f8ec4d1febf9e02e2c	Yes

Rational design and synthesis of photo-responsive molecularly imprinted polymers for the enantioselective intake and release of L-phenylalanine benzyl ester on multiwalled carbon nanotubes	Sajini T., Thomas R., Mathew B.	Polymer	rsc.org/journals-books-databases/about-journals/polymer-chemistry/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064736020&doi=10.1016%2fj.polymer.2019.04.031&partnerID=40&md5=8a8de44e2de3cba1c07f58810fdcf18b	Yes
α-methylation and α-fluorination electronic effects on the regioselectivity of carbonyl groups of uracil by H and triel bonds in the interaction of U, T and 5FU with HCl and TrH 3 (Tr = B, Al)	Matondo A., Thomas R., Tsalu P.V., Mukeba C.T., Mudogo V.	Journal of Molecular Graphics and Modelling	https://www.sciencedirect.com/journal/journal-of-molecular-graphics-and-modelling	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061613895&doi=10.1016%2fj.jmgm.2019.02.006&partnerID=40&md5=0228c97c441c1c68bd01fc8369ac588e	Yes
Synthesis and spectroscopic study of two new pyrazole derivatives with detailed computational evaluation	Thomas R., Mary Y.S., Resmi K.S., Narayana B., Sarojini S.B.K., Armaković S., Armaković S.J., Vijayakumar	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060335408&doi=10.1016%2fj.molstruc.2019.01.014&partnerID=40&md5=bdfbaf19ceb561d8621f327b0c1e80f1	Yes

of their reactivity and pharmaceutical potential	G., Alsenoy C.V., Mohan B.J.				
Two neoteric pyrazole compounds as potential anti-cancer agents: Synthesis, electronic structure, physico-chemical properties and docking analysis	Thomas R., Mary Y.S., Resmi K.S., Narayana B., Sarojini B.K., Vijayakumar G., Van Alsenoy C.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060051270&doi=10.1016%2fj.molstruc.2019.01.003&partnerID=40&md5=f52945ae499867eed9a6e5af107f824a	Yes
Kinetic and thermodynamic studies of molecularly imprinted polymers for the selective adsorption and specific enantiomeric recognition of D-mandelic acid	Sajini T., Gigimol M.G., Mathew B.	Journal of Polymer Research	https://www.springer.com/journal/10965	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063109507&doi=10.1007%2fs10965-019-1746-0&partnerID=40&md5=b13312edd631067ce3066660e270818e	Yes
Preparation and characterisation of surface roughened PMMA electrospun nanofibers from PEO - PMMA polymer blend	Philip P., Tomlal Jose E., Chacko J.K., Philip K.C., Thomas P.C.	Polymer Testing	https://www.sciencedirect.com/journal/polymer-testing	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060474325&doi=10.1016%2fj.polymertesting.2019.01.009&partnerID=40&md5=6bb444941824f7bc3acac04dbd13bceb	Yes

nanofibers					
Corrosion inhibition of mild steel using chitosan / TiO 2 nanocomposite coatings	John S., Salam A., Baby A.M., Joseph A.	Progress in Organic Coatings	https://www.sciencedirect.com/journal/progress-in-organic-coatings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060028754&doi=10.1016%2fj.porgcoat.2019.01.025&partnerID=40&md5=6bd284f146810a3411b3c4db6b7ef796	Yes
Monovalent doping effects on the structural, magnetic and magnetotransport properties of La0.833R0.167MnO3 (R = Li+, Na+, Ag+, K+)	Joseph S., Saban K.V.	Ceramics International	https://www.sciencedirect.com/journal/ceramics-international	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059319377&doi=10.1016%2fj.ceramint.2018.12.130&partnerID=40&md5=7c0c72122fc70001ba61b82d8ec0fe4a	Yes
Determination of ferromagnetic, superparamagnetic and paramagnetic components of magnetization and the effect of magnesium substitution on structural, magnetic and hyperfine properties of zinc ferrite	John S.P., Mathew J.	Journal of Magnetism and Magnetic Materials	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057496048&doi=10.1016%2fj.jmmm.2018.11.030&partnerID=40&md5=a35c13c2d53c2273af70d067eee752d7	Yes

nanoparticles					
Metal insulator transition driven by hydrated water of tungsten trioxide	M M., V S.K., Thomas T., Jose J., Jose G., George K.C.	Journal of Alloys and Compounds	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056884322&doi=10.1016%2fj.jallcom.2018.11.193&partnerID=40&md5=d3896b194f2b4d7ddb153dd44835b1ac	Yes
Adsorption studies of hydrothermally synthesized tin oxide nanoparticles	Athira S., Nayana D.A., James K.K., Aravind A.	AIP Conference Proceedings	https://aip.scitation.org/journal/apc?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063765892&doi=10.1063%2f1.5093826&partnerID=40&md5=e9ccec0d8b7fdb7977af9d74168162f5	Yes
Catalytic Degradation of Methyl Orange and Selective Sensing of Mercury Ion in Aqueous Solutions Using Green Synthesized Silver Nanoparticles from the Seeds of Derris trifoliata	Cyril N., George J.B., Joseph L., Sylas V.P.	Journal of Cluster Science	https://www.springer.com/journal/10876	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060735288&doi=10.1007%2fs10876-019-01508-9&partnerID=40&md5=cb31f6276e657acaa675634315a32560	Yes
Photocatalytic colour enhancement of Methylene Blue and Rhodamine	Kurien N.A., Divya K.V., Thomas P., Abraham K.E.	Solid State Sciences	https://www.sciencedirect.com/journal/solid-state-sciences	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059645109&doi=10.1016%2fj.solidstatesciences.2018.12.012&partnerID=40&md5=39c88dea243525	Yes

B dyes by coupled Titania Tenorite nanocomposites				5368f1c5a92c32e87a	
A brief overview of molecularly imprinted polymers supported on titanium dioxide matrices	Sajini T., Gigimol M.G., Mathew B.	Materials Today Chemistry	https://www.sciencedirect.com/journal/materials-today-chemistry	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058955336&doi=10.1016%2fj.mtchem.2018.11.010&partnerID=40&md5=d3059c8eabee8576c969205314eeb16b	Yes
Unravelling the Competence of Leucocyanidin in Free Radical Scavenging: A Theoretical Approach Based on Electronic Structure Calculations	Augustine C.	Journal of Structural Chemistry	https://www.springer.com/journal/10947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065403354&doi=10.1134%2fS0022476619020045&partnerID=40&md5=e5c64b8fead5da304be1737df6d1a1da	Yes
Single crystal XRD, DFT investigations and molecular docking study of 2-((1,5-dimethyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazol-4-yl)amino)naphthalene-1,4-dione as a potential anti- cancer	P.R. K.R., Mary Y.S., Fernandez A., S A.P., Mary Y.S., Thomas R.	Computational Biology and Chemistry	https://www.sciencedirect.com/journal/computational-biology-and-chemistry	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057611037&doi=10.1016%2fj.compbiolchem.2018.11.022&partnerID=40&md5=a16bba63e9574299d5fa9ac64ae81b4c	Yes

lead molecule					
Cocrystals of pyrazinamide with p-toluenesulfonic and ferulic acids: DFT investigations and molecular docking studies	Al-Otaibi J.S., Sheena Mary Y., Shyma Mary Y., Panicker C.Y., Thomas R.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053159951&doi=10.1016%2fj.molstruc.2018.08.055&partnerID=40&md5=9f3efaf72febfdcb7fa1c496e75f7060	Yes
Theoretical studies of squaraine and functionalized 2,1,3-benzothiadiazole molecules for solar cell applications	Mohan M.G., Krishnan A., James B., Augustine P., Manoj P.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105576773&doi=10.1016%2fj.matpr.2020.03.501&partnerID=40&md5=425152931009e56c3fb7234972ca1acb	Yes
Electrospinning technique for the fabrication of poly(styrene-co-methyl methacrylate) nanofibers and the effect of fiber diameter on UV–Visible absorption and thermal	Varkey V., Tomlal Jose E., Sajeev U.S.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105559865&doi=10.1016%2fj.matpr.2020.01.591&partnerID=40&md5=89786eb675115fa682a63346b1211bef	Yes

properties					
Red shifted photoluminescent properties of electrospun poly(methyl methacrylate) nanofibers incorporated with green synthesised silver nanoparticles	Philip P., Jose T., Sarath K.S., Philip K.C.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100215933&doi=10.1016%2fj.matpr.2020.05.620&partnerID=40&md5=df1ec2ec1bdd8f38a02c969191285978	Yes
Studies on the hypsochromic shifted optical properties of gold nanoparticles embedded electrospun poly(methyl methacrylate) (PMMA) nanofibers	Philip P., Jose T., Philip K.C., Manoj P., Sajini T.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100195070&doi=10.1016%2fj.matpr.2020.03.681&partnerID=40&md5=d94b687241a38513b1534e3c079a7057	Yes
Graphene: Promising nanoplatform for biomedical applications	Malavika C., Thomas P., Jose A.J.	Materials for Biomedical Engineering: Bioactive Materials, Properties, and Applications	https://www.elsevier.com/books/materials-for-biomedical-engineering-bioactive-materials-properties-and-applications/grumezescu/978-0-12-818431-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091639153&doi=10.1016%2fB978-0-12-818431-8.00010-6&partnerID=40&md5=73f4d6f870a82cbeaa66536e3d83566b	Yes

The novel synthesis and luminescence studies of CuO and Fe2O3 embedded (8-hydroxyquinoline)zinc nanocomposites	Eapen A.K., Thomas P.	Turkish Journal of Physics	https://www.scimagojr.com/journalsearch.php?q=12389&tip=sid	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075586639&doi=10.3906%2ffiz-1807-39&partnerID=40&md5=601f58e0c3042bb0d9542bfc4dd881c4	Yes
Protection of mild steel in hydrochloric acid using methyl benzimidazole substituted 1, 3, 4-oxadiazole: computational, electroanalytical, thermodynamic and kinetic studies	Ammal P R., R Prasad A., Ramya K., John S., Joseph A.	Journal of Adhesion Science and Technology	https://www.tandfonline.com/toc/tast20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071054594&doi=10.1080%2f01694243.2019.1637169&partnerID=40&md5=6a7e9ce141fa5a309dfc7d3280fc2b16	Yes
Molecular transport of aromatic solvents through oil palm micro fiber filled nitrile rubber composites	Joseph S., Jose A.J., Wilson R., Thomas S., Joseph K.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064451933&doi=10.1016%2fj.matpr.2019.02.158&partnerID=40&md5=3aba567c91b6f9a184409c33be8243a6	Yes
Studies on thermo mechanical and surface properties of polysulfone / poly(ether imide ester) blends	Jose A.J., Wilson R., Jacob G., Alagar M.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064428178&doi=10.1016%2fj.matpr.2019.02.159&partnerID=40&md5=5249118841a809b59247325b9a779e95	Yes

Assessment of antioxidant, antibacterial and anti-proliferative (lung cancer cell line A549) activities of green synthesized silver nanoparticles from Derris trifoliata	Cyril N., George J.B., Joseph L., Raghavamenon A.C., Sylas V.P.	Toxicology Research	https://academic.oup.com/toxres	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062347875&doi=10.1039%2fC8TX00323H&partnerID=40&md5=438ed6d9760ea50d7f33d9ad3f772560	Yes
A pilot level approach to remove anionic species from industrial effluents using a novel carbonate-steam pyrolysed activated charcoal system	Mahadevan H., Nayana A.R., Viswadas V., Antony S., Dev V.V., Sudhakaran S., Priya Pious H., Anoop Krishnan K.	Advanced Powder Technology	https://www.sciencedirect.com/journal/advanced-powder-technology	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055251681&doi=10.1016%2fj.apt.2018.10.011&partnerID=40&md5=83951bac175cd8f786e03664b6a1ba1c	Yes
Synthesis and spectroscopic study of three new oxadiazole derivatives with detailed computational evaluation of their reactivity and pharmaceutical potential	Mary Y.S., Miniyar P.B., Mary Y.S., Resmi K.S., Panicker C.Y., Armaković S., Armaković S.J., Thomas R., Sureshkumar B.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053123093&doi=10.1016%2fj.molstruc.2018.07.026&partnerID=40&md5=8bbe2bae15043c79d26232a5d4600e9e	Yes

Tailoring Mechanical Properties of Suspended Graphene by Energetic Ion Beams	Annamalai M., Mathew S., Chan T.K., Zhan D., Shen Z.X., Palaniapan M., Breese M.B.H., Venkatesan T.	NEMS 2018 - 13th Annual IEEE International Conference on Nano/Micro Engineered and Molecular Systems	https://ieeexplore.ieee.org/xpl/conhome/8540837/proceeding	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060293228&doi=10.1109%2fNEMS.2018.8556964&partnerID=40&md5=589b73bda28137c94a1194f6e4e6c1b2	Yes
Transition state analogue imprinted polymers as artificial amidases for amino acid p-nitroanilides: morphological effects of polymer network on catalytic efficiency	Mathew D., Thomas B., Devaky K.S.	Artificial Cells, Nanomedicine and Biotechnology	https://www.tandfonline.com/toc/ianb20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033671343&doi=10.1080%2f21691401.2017.1394871&partnerID=40&md5=38fb1af968dc85eddfb56d5770645ff7	Yes
A new antifungal benzoic acid ester from Uvaria narum	Varghese A.E., Govindan B., Madhavankutty J., Valiyaveetil A.T., Karadka M., Baby S.	Natural Product Research	https://www.tandfonline.com/toc/gnpl20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029720789&doi=10.1080%2f14786419.2017.1375925&partnerID=40&md5=d8db8d0fc9c043a4e40b491d77832816	Yes
Molecular structure, spectroscopic, dielectric and thermal study, nonlinear optical properties, natural bond orbital, HOMO-	Hosna S., Janzen D.E., Mary Y.S., Resmi K.S., Thomas R., Mohamed R., Wajda S.	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048960463&doi=10.1016%2fj.saa.2018.06.062&partnerID=40&md5=19ffea539155f362f794d0b7dbdd93af3	Yes

LUMO and molecular docking analysis of (C6Cl2O4)(C10H14N2F)2·2H2O					
Chitosan in water purification technology	Jose A.J., Jacob A.M., Manjusha K.C., Kappen J.	Green and Sustainable Advanced Materials: Applications	https://www.researchgate.net/publication/328998117_Green_and_Sustainable_Advanced_Materials-_Processing_and_Characterizations	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100535736&doi=10.1002%2f9781119528463.ch5&partnerID=40&md5=dad42794aeb06b6061e3f88ac017d527	Yes
Morphology of antennal cleaner in some selected ant species: A scanning electron microscopy study	Babu M.J., Sam S.E.	Entomon		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112711430&partnerID=40&md5=bbae6f272809a9c22898c7aac01d3f9a	Yes
Geometrical effect of 3D-memory cavity on the imprinting efficiency of transition-state analogue-built artificial hydrolases	Mathew D., Thomas B., Devaky K.S.	Polymer Bulletin	https://www.springer.com/journal/289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034570030&doi=10.1007%2fs00289-017-2237-2&partnerID=40&md5=b04d59e2633329b56a917751a4b9734b	Yes
Ultra structure of the compound eyes of the ants - Odontomachus haematodus and Diacamma rugosum	Babu M.J., Nair R.	Current Science	https://www.currentscience.ac.in/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051862611&doi=10.18520%2fcs%2fv115%2fi4%2f624-626&partnerID=40&md5=4518c85cc23cffc2d8fa42ce49955306	Yes

Exploring the photolumine scence emission behaviour of vacuum deposited Sb2O3 thin film having randomly oriented thorn like structures	Divya K.V., Thomas P., Abraham K.E.	Materials Science in Semiconduct or Processing	https://www.science direct.com/journal/ materials-science-in-semiconductor-processing	https://www.scopus.com/ inward/record.uri?eid=2-s2.0-85044728616&doi=10.1016%2fj.mssp.2018.03.031&partnerID=40&md5=630f8aed43f05c6393aba47e6e7eb671	Yes
Enhanced room temperature gas sensing of aligned Mn3O4 nanorod assemblies functionalize d by aluminum anodic membranes	John N., Thomas P., Divya K.V., Abraham K.E.	Nanotechnol ogy	https://iopscience.io p.org/journal/0957-4484	https://www.scopus.com/ inward/record.uri?eid=2-s2.0-85048975550&doi=10.1088%2f1361-6528%2faac655&partnerID=40&md5=149c3f834a14ba343981386c69b44850	Yes
Study on the characteristics of hysteresis loop and resistance of glow discharge plasma using argon gas	Mathew P., Sajith Mathews T., Kurian P.J., Chattopadyay P.K.	AIP Conference Proceedings	https://aip.scitation.org /journal/apc?cookieSet =1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047365190&doi=10.1063%2f1.5032772&partnerID=40&md5=37e63de6ce4a0ed7b215d261e6293fcf	Yes
Photoluminesc ence of Co: ZnNiO and Zr: ZnNiO nanocomposit es capped with biodegradable polymer poly (2-ethyl-2-oxazoline)	John S., George J.B., Joseph A.	AIP Conference Proceedings	https://aip.scitation.org /journal/apc?cookieSet =1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047328171&doi=10.1063%2f1.5032749&partnerID=40&md5=fb507e63833c658ec39c100c8e5153d5	Yes

Understanding reactivity of two newly synthetized imidazole derivatives by spectroscopic characterizatio n and computational study	Hossain M., Thomas R., Mary Y.S., K.S.Resmi, Armaković S., Armaković S.J., Nanda A.K., Vijayakumar G., Alsenoy C.V.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041441087&doi=10.1016%2fj.molstruc.2018.01.029&partnerID=40&md5=5c477424ce588014182b1ae42862ef4d	Yes
Spectroscopic analysis and molecular docking of imidazole derivatives and investigation of its reactive properties by DFT and molecular dynamics simulations	Thomas R., Hossain M., Mary Y.S., Resmi K.S., Armaković S., Armaković S.J., Nanda A.K., Ranjan V.K., Vijayakumar G., Van Alsenoy C.	Journal of Molecular Structure	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041432362&doi=10.1016%2fj.molstruc.2018.01.021&partnerID=40&md5=2cec319b5a976ebba2b3c9f25e74cdde	Yes
Structural, optical and magnetic studies of CuFe2O4, MgFe2O4 and ZnFe2O4 nanoparticles prepared by hydrothermal/ solvothermal method	Kurian J., Mathew M.J.	Journal of Magnetism and Magnetic Materials	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033384636&doi=10.1016%2fj.jmmm.2017.10.124&partnerID=40&md5=e651c826e275e833d23c5b3917d6bd62	Yes
Influence of fiber content and chemical modifications on the transport properties of PP/jute commingled biocomposites	George G., Joseph K., Saritha A., Nagarajan E.R.	Polymer Composites	https://4spepublications.onlinelibrary.wiley.com/journal/15480569	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85012960673&doi=10.1002%2fpc.24306&partnerID=40&md5=44a4f40909c0d081321cbd28b9c391e9	Yes
Computational modeling and theoretical strategies for	Sajini T., Krishnan A., Mathew B.	Advanced Polymeric Materials: Synthesis and	https://www.scopus.com/record/display.uri?eid=2-s2.0-85071672857&origin=in	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071672857&partnerID=40&md5=494d80f9f686b2cacc50d	Yes

the design of chiral recognition sites using molecular imprinting technology		Applications	ward&txGid=037bb443f7244253bdf6c0cf7087985c	90264594789	
Polymeric membranes: Classification, preparation, structure physiochemical, and transport mechanisms	Jose A.J., Kappen J., Alagar M.	Fundamental Biomaterials: Polymers	https://www.sciencedirect.com/book/9780081021941/fundamental-biomaterials-polymers	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053955423&doi=10.1016%2fB978-0-08-102194-1.00002-5&partnerID=40&md5=e5e805c400c30ab95501197b4e916256	Yes
Biomimetic recognition and peptidase activities of transition state analogue imprinted chymotrypsin mimics	Mathew D., Thomas B., Devaky K.S.	Reactive and Functional Polymers	https://www.sciencedirect.com/journal/reactive-and-functional-polymers	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041425388&doi=10.1016%2fj.reactfunctpolym.2018.01.005&partnerID=40&md5=a45e44725f84a0d1e95a89b4ebeac4ab	Yes
Polymer membranes reinforced with carbon-based nanomaterials for water purification	Wilson R., George G., Jose A.J.	New Polymer Nanocomposites for Environmental Remediation	https://www.elsevier.com/books/new-polymer-nanocomposites-for-environmental-remediation/mustansar-hussain/978-0-12-811033-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046827706&doi=10.1016%2fB978-0-12-811033-1.00018-4&partnerID=40&md5=d67a2ca2f1b5a86616709ba2728f8abd	Yes
Bayesian evidences for dark energy models in light of current observational data	Lonappan A.I., Kumar S., Ruchika, DInda B.R., Sen A.A.	Physical Review D	https://journals.aps.org/prd/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043706760&doi=10.1103%2fPhysRevD.97.043524&partnerID=40&md5=d0e5dc0aacc331c2176d02dbc5b3d997	Yes
Structural, Magnetic and Mossbauer Studies of Magnesium Ferrite Nanoparticles Prepared by Hydrothermal Method	Kurian J., Mathew M.J.	International Journal of Nanoscience	https://www.worldscientific.com/worldscinet/ijn?cookieSet=1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031290508&doi=10.1142%2fS0219581X17600018&partnerID=40&md5=63625d473c03a01aae49a12c99f3bea9	Yes

Origin of the high dielectric constant in Sm2/3Cu3Ti4O12 ceramics	Thomas A.K., Abraham K., Thomas J., Saban K.V.	IOP Conference Series: Materials Science and Engineering	https://www.scopus.com/record/display.uri?eid=2-s2.0-85056650910&doi=10.1088%2f1757-899X%2f360%2f1%2f012049&origin=inward&txGid=5bb9ab1dbef029d2e883307548bb6c73	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056650910&doi=10.1088%2f1757-899X%2f360%2f1%2f012049&partnerID=40&md5=4f7ed2f31c7bb49d7117cbcee7a6b6d1	Yes
Molybdenum Disulphide Nanoparticles Synthesis Using a Low Temperature Hydrothermal Method and Characterization	Manuja M., Sarath Krishnan V., Jose G.	IOP Conference Series: Materials Science and Engineering	https://www.elsevier.com/books/new-polymer-nanocomposites-for-environmental-remediation/mustansar-hussain/978-0-12-811033-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056649870&doi=10.1088%2f1757-899X%2f360%2f1%2f012015&partnerID=40&md5=69cf0e143bc47b99b75847dae12cea69	Yes
Rietveld refinement and experimental determination of optical and electrical properties of K+ stabilized α-MnO2 nanostructures	Elizabeth John R., Chandran A., Sarath Krishnan V., Jose G., Jose A., Jose J., Thomas M., George K.C.	IOP Conference Series: Materials Science and Engineering	https://www.elsevier.com/books/new-polymer-nanocomposites-for-environmental-remediation/mustansar-hussain/978-0-12-811033-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056645839&doi=10.1088%2f1757-899X%2f360%2f1%2f012013&partnerID=40&md5=9b10abdf8781619db1fcf48c30337f32	Yes
Crystal growth and physical characterization of bismaleato lead (IV) grown in silica gel	Mahalakshmi V., Lincy A., Thomas J., Saban K.V.	IOP Conference Series: Materials Science and Engineering	https://www.elsevier.com/books/new-polymer-nanocomposites-for-environmental-remediation/mustansar-hussain/978-0-12-811033-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056621041&doi=10.1088%2f1757-899X%2f360%2f1%2f012065&partnerID=40&md5=05891869280a78ed54cb81c812a1598d	Yes
Attractive dielectric responses with doping of Cr3+ and Ti4+ in Sm1.5Sr0.5NiO4 ceramics	Abraham K., Thomas A.K., Thomas J., Saban K.V.	Materials Today: Proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056605430&doi=10.1016%2fj.matpr.2018.6.529&partnerID=40&md5=4e131dc99bec052d0098a0b4ba3243c6	Yes
Liquid Transport Through Polymer	Jose A.J., Kappen J., Thomas M.M., Krishnan V.G.,	Transport Properties of Polymeric Membranes	https://www.sciencedirect.com/book/9780128098844/transport-properties-of-	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042196543&doi=10.1016%2fB978-0-12-809884-4.00010-	Yes

Composites	Sebastian A.		polymeric-membranes	0&partnerID=40&md5=72d7c7831c71f3305d789088727cfe3a	
Gas Transport Through Thermoplastics	Jose A.J., Sebastian A., Thomas M.M., Krishnan V.G., Kappen J.	Transport Properties of Polymeric Membranes	https://www.sciencedirect.com/book/9780128098844/transport-properties-of-polymeric-membranes	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042176273&doi=10.1016%2fB978-0-12-809884-4.00022-7&partnerID=40&md5=5de08b20a530d0a292edfc4d0353beee	Yes
Impact of Stratospheric Sudden Warming on the Occurrence of the Equatorial Spread-F	Jose L., Vineeth C., Pant T.K.	Journal of Geophysical Research: Space Physics	https://agupubs.onlinelibrary.wiley.com/journal/21699402	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039173644&doi=10.1002%2f2017JA024652&partnerID=40&md5=16e0983df6ba9e01432ab28da501a52b	Yes
Three New Species of Piper (Piperaceae) from the Southern Western Ghats, India	Mathew J., Jose S., Yohannan R., George K.V.	Annales Botanici Fennici	https://journalsearches.com/journal.php?title=Annales%20Botanici%20Fennici	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033797035&doi=10.5735%2f085.054.0609&partnerID=40&md5=f77642a67f5eb862b8f1a3ab70099631	Yes
Catalytic amidolysis of amino acid p-nitroanilides using transition state analogue imprinted artificial enzymes: Cooperative effect of pyridine moiety	Divya M., Benny T., Christy P., Aparna E.P., Devaky K.S.	Bioorganic Chemistry	https://www.sciencedirect.com/journal/bioorganic-chemistry	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026451154&doi=10.1016%2fj.bioorg.2017.07.015&partnerID=40&md5=5d931f6e19bcfe0bbdddef00e8cdafc0	Yes
NLO properties of 1, 4-naphthoquinone, Juglone and Lawsone by DFT and Z-scan technique – A detailed study	Mande P., Mathew E., Chitrambalam S., Joe I.H., Sekar N.	Optical Materials	https://www.sciencedirect.com/journal/optical-materials	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021667686&doi=10.1016%2fj.optmat.2017.06.058&partnerID=40&md5=d2733858dc2388c6c7d02dc373ecf024	Yes

Understanding the non-linear clustering of high-redshift galaxies	Jose C., Baugh C.M., Lacey C.G., Subramanian K.	Monthly Notices of the Royal Astronomical Society	https://academic.oup.com/mnras	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041095384&doi=10.1093%2fmnras%2fstx1014&partnerID=40&md5=19f7fb2c2715494adff4c940eb728149	Yes
Cure kinetics of epoxy/thermoplastic blends	Francis B.	Handbook of Epoxy Blends	https://link.springer.com/referencework/10.1007/978-3-319-40043-3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054890650&doi=10.1007%2f978-3-319-40043-3_22&partnerID=40&md5=9109918c938f2a5c70c9a4a38936ca1f	Yes
Corrosion inhibition of mild steel by N(4)-substituted thiosemicarbazone in hydrochloric acid media	John S., Jeevana R., Aravindakshan K.K., Joseph A.	Egyptian Journal of Petroleum	https://www.sciencedirect.com/journal/egyptian-journal-of-petroleum#:~:text=Egyptian%20Journal%20of%20Petroleum%20is,development%20covering%20the%20following%20areas%3A&text=Sedimentation%20and%20petroleum%20exploration.	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020929786&doi=10.1016%2fj.ejpe.2016.05.012&partnerID=40&md5=d4deff3f45febf9c1fb910ffccf4144e	Yes
High resolution accurate mass multi-class multi-residue screening method for the analysis of honey samples collected from various parts of Kerala state, India using LC-QTOF	Prasanth J., Vincy M.V., Brillliant R.	Research Journal of Chemistry and Environment	https://ores.su/en/journals/research-journal-of-chemistry-and-environment/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019734160&partnerID=40&md5=77f362bf5a21ed3a8c6c818153ee743a	Yes
Anisochilus petraeus (Lamiaceae), a new species from Southern Western Ghats, India	Mathew J., Yohannan R., George K.V.	Taiwania	https://taiwania.ntu.edu.tw/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019948357&doi=10.6165%2ftai.2017.62.144&partnerID=40&md5=e96a0c81c30de352e8c032e71ce49844	Yes
Dielectric relaxation and AC conductivity mechanism of eco-friendly	Paulose T., Abraham K.E.	Journal of Optoelectronics and Advanced Materials	https://joam.inoe.ro/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026662554&partnerID=40&md5=08bc31fc74b7d14216ad7cf4fb14beb4	Yes

Fe2O3 hexagonal nanomorphotype					
Jute yarn as reinforcement for polypropylene based commingled eco-composites: Effect of fibre content and chemical modifications on accelerated ageing and tear properties	George G., Joseph K., Nagarajan E.R.	Fibers and Polymers	https://www.springer.com/journal/12221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019757072&doi=10.1007%2fs12221-017-1039-3&partnerID=40&md5=a359e54da9acf1277ca5d071b5ab4148	Yes
Arisaema peerumedense (Araceae), a New Species from the South Western Ghats, India	Mathew J., George K.V.	Annales Botanici Fennici	https://journalsearches.com/journal.php?title=Annales%20Botanici%20Fennici	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019136782&doi=10.5735%2f085.054.0305&partnerID=40&md5=b9b46251f59fd4c1185e23c37a3df248	Yes
A facile approach to the elucidation of magnetic parameters of CuFe2O4 nanoparticles synthesized by hydrothermal route	Kurian J., Jacob Mathew M.	Journal of Magnetism and Magnetic Materials	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85007258186&doi=10.1016%2fj.jmmm.2016.12.027&partnerID=40&md5=3b084e1a36e13c0c5e93c3411e91e397	Yes
Relation between interplanetary parameters and geomagnetic field variations during solar cycle 24	Visakh Kumar U.L., Varghese B.S., Kurian P.J.	Indian Journal of Radio and Space Physics	http://op.niscair.res.in/index.php/IJRSP	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044665097&partnerID=40&md5=fa63c7e3c367e295ba6cee52722026f6	Yes
Inhibition of Mild Steel Corrosion using	John S., Joseph A., Kuruvilla M., Sajini S.	Journal of Bio- and Tribo-Corrosion	https://www.springer.com/journal/40735	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034569282&doi=10.1007%2fs40735-016-0062-	Yes

Chitosan–Polyvinyl Alcohol Nanocomposite Films by Sol–Gel Method: An Environmentally Friendly Approach				z&partnerID=40&md5=7d81c4608d03196a251c9a936ac738b0	
Electrical and dielectric behaviour of Na 0.5 La 0.25 Sm 0.25 Cu 3 Ti 4 O 12 ceramics investigated by impedance and modulus spectroscopy	Thomas A.K., Abraham K., Thomas J., Saban K.V.	Journal of Asian Ceramic Societies	https://www.tandfonline.com/journals/tace20	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85024095455&doi=10.1016%2fj.jascer.2017.01.002&partnerID=40&md5=8e63357df0ae2751332014f30aa6c537	Yes
Phosphonate TSA-built macromatric polymer catalysts as chymotrypsin mimics for the amidolysis of amino acid p-nitroanilides: Effect of the nature and extent of crosslinker on amidase activities	Mathew D., Thomas B., Devaky K.S.	Polymer	https://www.nature.com/pj/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85012262939&doi=10.1016%2fj.polymer.2017.01.061&partnerID=40&md5=7f5d99ca5045fec1a6b5999e9dddb9b3	Yes
The role of clay modifier on cure characteristics and properties of epoxy/clay/carboxyl-terminated poly(butadiene-co-acrylonitrile) (CTBN) hybrid	Vijayan P P., Puglia D., Vijayan P P., Kenny J.M., Thomas S.	Materials Technology	https://www.tandfonline.com/toc/ymte20/current	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84978472637&doi=10.1080%2f10667857.2016.1161946&partnerID=40&md5=6686279471399901532d342aaebdd337	Yes

Performance evaluation of polysulfone/graphene nanocomposites	Jose A.J., Alagar M., John S., Wilson R.	International Journal of Materials Research	https://www.degruyter.com/journal/key/ijmr/html?lang=en	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017662787&doi=10.3139%2f146.111458&partnerID=40&md5=357d9cbdfaf732adc0c400b2b3a0a4f2	Yes
Nanoflare heating model for collisionless solar corona	Kumar U.L.V., Varghese B.S., Kurian P.J.	Pramana - Journal of Physics	https://www.ias.ac.in/Journals/Pramana_%E2%80%93_Journal_of_Physics/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85014337054&doi=10.1007%2fs12043-016-1351-2&partnerID=40&md5=8a3d318b16f621aa4cc4b15b77c9b981	Yes
Antioxidant, anti-alpha-glucosidase and pancreatic beta-cell protective effects of methanolic extract of Ensete superbum Cheesm seeds	Habtemariam S., Varghese G.K.	Asian Pacific Journal of Tropical Biomedicine	https://www.apjtb.org/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85008660679&doi=10.1016%2fj.apjtb.2016.10.012&partnerID=40&md5=0dd8454e31a3b77be9e86f8c400a6b02	Yes
High temperature ferroelectric behaviour in α-MnO2 nanorods realised through enriched oxygen vacancy induced non-stoichiometry	John R.E., Chandran A., George J., Jose A., Jose G., Jose J., Unnikrishnan N.V., Thomas M., George K.C.	Physical Chemistry Chemical Physics	https://www.rsc.org/journals-books-databases/about-journals/pccp/	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032840815&doi=10.1039%2fc7cp05724e&partnerID=40&md5=5d398c528dd2c79ce05ab574177ee410	Yes
Corrosion inhibition properties of 1,2,4-Hetrocyclic Systems: Electrochemical, theoretical and Monte Carlo simulation studies	John S., Joseph A., Sajini T., James Jose A.	Egyptian Journal of Petroleum	https://www.sciencedirect.com/journal/egyptian-journal-of-petroleum#:~:text=Egyptian%20Journal%20of%20Petroleum%20is,development%20covering%20the%20following%20areas%3A&text=Sedimentation%20and%20petroleum%20exploration.	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027865436&doi=10.1016%2fj.ejpe.2016.10.005&partnerID=40&md5=1eda6b699cd3ed8fcbd2a61ecba470ee	Yes

CHAPTER 16: Nanocellulose: A Novel Support for Water Purification	Wilson R., Joy J., George G., Anuraj V.	RSC Detection Science	http://pubs.rsc.org/bookshop/collections/series?issn=2052-3068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85006516054&doi=10.1039%2f9781782623625-00456&partnerID=40&md5=110a6784e5c2798a2c4802e5f5b76aa3	Yes