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Title of paper	Name of the author/s	ISSN number	Link to the recognition in UGC enlistment of the Journal Link to website of the Journal
2021 - 2022			
A scale of absolute hardness based on the conjoint action of other properties	Sabu S.S., Simplica S.J.A., Tandon H., Chakraborty T.	268976	https://www.tandfonline.com/journals/tmph20
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.	10406638	Investigating the Bulk Level Optoelectronic Characteristics of 10-(1,3-Dithiol-2-Ylidene)Anthracene Based Light Harvesters



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-Nitrovaniline and Sulphadiazene	Elangovan N., Thomas R., Sowrirajan S., Manoj K.P., Irfan A.	10406638	https://www.tandfonline.com/oc/gpol20/current
Green Light Emitting Cadmium Sulfide Nanoparticles with Coral Surface Morphology	Thomas B., Jose E.T., Chacko J.K., Divya K.V.	10407278	https://www.springer.com/journal/10876
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.	9429352	https://www.degruyter.com/journal/key/zpch/html?lang=de
Feeding ecology of the vulnerable sloth bear (<i>Melursus ursinus</i>) in and around Mount Abu wildlife sanctuary, Rajasthan, India	Philip R., Bhatnagar C., Koli V.K.	207233	https://www.tandfonline.com/oc/genv20/current
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.	10406638	https://www.tandfonline.com/oc/gpol20/current
Balabhyasanavum Bhashayude Arividangalum	Dr. Joseph Skariah	ISSN 0975-220X	https://ebhashaposhini.manoramaonline.com/UI/home.aspx



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Malayalathile Kavyabhasha	Dr. Bins M Mathew	ISSN 2581-9585	https://mrjc.in/index.php/chen-gazhi/about
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Kavithayil Pollunna Vaakkukal	Dr. Bins M Mathew	NA	https://sahitya-akademi.gov.in/
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Experimental study on the similarity of gas discharge in low- pressure Argon gaps	Prijil Mathew , Sajith T. Mathews , Paul Issac , P. J. Kurian	ISSN 1852-4249	https://www.papersinphysics.org/papersinphysics
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	ISSN 0008-6223	https://www.rsc.org/periodic-table/element/6/carbon
Amphiphilic block copolymers: From synthesis including living polymerization methods to applications in drug delivery	Aravind Krishnan Smitha Roy Sajith Menon	0014-3057	https://www.sciencedirect.com/journal/european-polymer-journal



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Theoretical studies on the coordination chemistry of phytosiderophores with special reference to Fe-nicotianamine complexes in graminaceous plants	Gopika S. and Cyril Augustine	16102940	https://www.springer.com/journal/894
Synthesis and catalytic applications of silver nanoparticles: a sustainable chemical approach using indigenous reducing and capping agents from <i>Hyptis capitata</i>	R. Revathy, Jebin Joseph, Cyril Augustine, T. Sajini and Beena Mathew	ISSN: 2066-7620	https://www.rsc.org/journals-books-databases/about-journals/environmental-science-advances/
A brief overview of molecularly imprinted polymers: Highlighting computational design, nano and photo-responsive imprinting	Sajini T and Beena Mathew	ISSN 2666-8319	https://www.sciencedirect.com/
Advanced green approaches for metal and metal oxide nanoparticles synthesis and their environmental applications	Gopika M Nair, Sajini T* and Beena Mathew	ISSN 2666-8319.	https://www.scimagojr.com/journalsearch.php?q=21101047132&tip=sid&clean=0
Investigations on the Structural and Optical Properties of electrospun ZnO – poly (styrene – co-methyl methacrylate) Nanofiber Composites	Vinitha Varkey, Tomlal Jose E	2574089X, 25740881	https://www.resurchiefy.com/impact/details/21100921058



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Green Light Emitting Cadmium Sulfide Nanoparticles with Coral Surface Morphology, Journal of Cluster Science	Thomas Baby, Tomlal Jose E	ISSN: 1040-7278	https://www.springer.com/journal/10876
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Polyvinylidene fluoride: A multifunctional polymer in supercapacitor applications	Sreelakshmi Rajeevan, Sam John, Soney C. George,	ISSN 0378-7753	https://www.sciencedirect.com/journal/journal-of-power-sources
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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	16102940	https://www.tandfonline.com/
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<p>, First-principle studies of istradefylline with emphasis on the stability, reactivity, interactions and wavefunction-dependent properties, Polycycl. Aromat. Compd. 42</p>	<p>N. Al-Zaqri, T. Pooventhiran, A. Alsalme, D.J. Rao, S.S. Rao, A. Sankar, R. Thomas</p>	<p>1563-5333</p>	<p>https://www.tandfonline.com/</p>
<p>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</p>	<p>F. Paularokiadoss, T. Christopher Jeyakumar, R. Thomas, A. Sekar, D. Bhakiaraj</p>	<p>2210-271X.</p>	<p>https://www.sciencedirect.com/journal/computational-and-theoretical-chemistry</p>
<p>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</p>	<p>T. Pooventhiran, R. Thomas,</p>	<p>0167-7322.</p>	<p>https://www.sciencedirect.com/journal/journal-of-molecular-liquids</p>
<p>Indolyl-4H-chromenes: Multicomponent one-pot green synthesis, in vitro and in silico, anticancer and antioxidant studies, J. Mol. Struct.</p>	<p>P. Anaikutti, M. Selvaraj, J. Prabhakaran, T. Pooventhiran, T.C. Jeyakumar, R. Thomas, P. Makam</p>	<p>ISSN 0022-2860.</p>	<p>https://www.sciencedirect.com/journal/journal-of-molecular-structure</p>



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,	1563-5333	https://www.tandfonline.com/oc/gpol20/current
, 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	25728288	https://onlinelibrary.wiley.com/journal/25728288
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Detailed Electronic Structure, Physico-Chemical Properties, Excited State Properties, Virtual Bioactivity Screening and SERS Analysis of Three Guanine Based Antiviral Drugs Valacyclovir HCl Hydrate, Acyclovir and Ganciclovir	Al-Otaibi J.S., Mary Y.S., Thomas R, Kaya S.	ISSN 1563-5333	https://www.tandfonline.com/oc/gpol20/current



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, Synthesis, XRD, Hirshfeld surface analysis, DFT studies, cytotoxicity and anticancer activity of di (m-chlorobenzyl)(dichloro)(4, 7-diphenyl-1, 10-phenanthroline) tin (IV) complex, J. Mol. Struct. 1267	C. Bhaskar, N. Elangovan, S. Sowrirajan, S. Chandrasekar, O.A.A. Ali, S.F. Mahmoud, R. Thomas	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
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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,	ISSN 1563-5333	https://www.tandfonline.com/oc/gpol20/current
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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	ISSN 1563-5333	https://www.tandfonline.com/oc/gpol20/current
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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,	ISSN 0167-7322.	https://www.sciencedirect.com/journal/journal-of-molecular-liquids
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	ISSN 1563-5333	https://www.tandfonline.com/toc/gpol20/current
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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. Bhattacharyya, A. Irfan, R. Puchta, S. Sowrirajan, R. Thomas	ISSN 1563-5333	https://www.tandfonline.com/oc/gpol20/current
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Energy and Reactivity Profile and Proton Affinity Analysis of Rimegepant with Special Reference to its Potential Activity against SARS-Cov-2 Virus Proteins using Molecular Dynamics, J. Mol. Model.	T. Pooventhiran, E.F. Marondedze, P.P. Govender, U. Bhattacharyya, D.J. Rao, E.S. Aazam, J.M. Kuthanapillil, R. Thomas	16102940	https://www.springer.com/journal/894



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. Alsalmeh, A. Al-Taleb, T. Pooventhiran, R. Thomas, D.J. Rao,	ISSN 0167-7322.	https://www.sciencedirect.com/journal/journal-of-molecular-liquids
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Investigating the Bulk Level Optoelectronic Characteristics of 10-(1,3-Dithiol-2-Ylidene)Anthracene Based Light Harvesters, Polycycl. Aromat. Compd.	A. Irfan, M. Imran, R. Thomas, M.W. Mumtaz, A.T. Shah, M.A. Qayyum, M. Hussien, S. Ullah, M.A. Assiri, A.G. Al-Sehemi,	ISSN 1563-5333	https://www.tandfonline.com/oc/gpol20/current
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<p>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</p>	<p>T. Pooventhiran, R. Thomas, U. Bhattacharyya, S. Sowrirajan, A. Irfan, D.J. Rao</p>	<p>887-901</p>	<p>https://onlinelibrary.wiley.com/journal/25728288</p>
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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.	194522	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society
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<p>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 mechanicst</p>	<p>J.S. Al-Otaibi, A.H. Almuqrin, Y.S. Mary, Renjith Thomas</p>	<p>0167-7322</p>	<p>https://www.sciencedirect.com/journal/journal-of-molecular-liquids</p>
<p>Spectroscopic, quantum mechanical studies, ligand protein interactions and photovoltaic efficiency modeling of some bioactive benzothiazolinone acetamide analogs</p>	<p>Mary Y.S., Yalcin G., Mary Y.S., Resmi K.S., Thomas R., Önkol T., Kasap E.N., Yildiz I.</p>	<p>3666352</p>	<p>https://www.springer.com/journal/11696</p>
<p>Spectral characterization, thermochemical studies, periodic SAPT calculations and detailed quantum mechanical profiling various physico-chemical properties of 3, 4-dichlorodiuron</p>	<p>K. Haruna, V.S. Kumar, S.J. Armaković, S. Armaković, Y.S. Mary, Renjith Thomas, S.A. Popoola, A.R. Almohammed, M.S. Roxy, A.A. Al-Saadi</p>	<p>1386-1425</p>	<p>https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy</p>
<p>Spectroscopic and TDDFT investigation of highly selective fluoride sensors by substituted acyl hydrazones</p>	<p>A.M. John, J. Jose, Renjith Thomas, K.J. Thomas, S.P. Balakrishnan</p>	<p>1386-1425</p>	<p>https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy</p>



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	24058440	https://www.sciencedirect.com/journal/heliyon
Mechanistic insights can resolve the low reactivity and selectivity issues in intermolecular Rauhut Currier (RC) reaction of γ -hydroxyenone	Z.Ullah, Renjith Thomas	1144-0546 (print); 1369-9261 (web)	https://www.rsc.org/journals-books-databases/author-and-reviewer-hub/authors-information/?gclid=CjwKCAiA2L-dBhACEiwAu8Q9YJOIVRA_9DUaaAn26MY9hCrWipAJ-P0tEdj_6AYJHEBHJFONRgvcwBoCsOwQAVD_BwE
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., Alsalmeh A., Warad I., John A.M., Thomas R.	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids
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.	16102940	https://www.springer.com/journal/894



Spectral analysis and detailed quantum mechanical investigation of some acetanilide analogues and their self-assemblies with graphene and fullerene	Almuqrin A.H., Al-Otaibi J.S., Mary Y.S., Thomas R., Kaya S., Işın D.Ö.	16102940	https://www.springer.com/journal/894
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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.	2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549
Corrosion inhibition of mild steel using poly(2-ethyl-2-oxazoline) in 0.1 M HCl solution	Zachariah P. M., Keerthi R., Cyril Augustine, Bincy J., S. John		https://www.cell.com/heliyon/home
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.	0361-5235	https://www.springer.com/journal/11664



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Markovnikov versus anti-Markovnikov addition and C–H activation: Pd–Cu synergistic catalysis	Ullah Z., Thomas R.	2682605	https://onlinelibrary.wiley.com/journal/10990739
Exploring the effect of oligothiophene and acene cores on the optoelectronic properties and enhancing p- and n-type ability of semiconductor materials	Irfan A., Imran M., Thomas R., Basra M.A.R., Ullah S., Al-Sehemi A.G., Assiri M.A.	17415993	https://www.tandfonline.com/toc/gsrp20/current
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.	10406638	https://www.tandfonline.com/toc/gpol20/current



Spectroscopic and Theoretical Studies of Potential Anti-Inflammatory Polycyclic Aromatic Fluorophenyl Substituted Acyclic and Heterocyclic Analogues Synthesized from 4,4'-Difluorophenylchalcone	Sheena Mary Y., Shyma Mary Y., Thomas R., Resmi K.S., Narayana B., Samshuddin S., Sarojini B.K.	10406638	https://www.tandfonline.com/toc/gpol20/current
Quantum Mechanical Studies of Three Aromatic Halogen-Substituted Bioactive Sulfonamidobenzoxazole Compounds with Potential Light Harvesting Properties	Sheena Mary Y., Ertan-Bolelli T., Thomas R., Krishnan A.R., Bolelli K., Kasap E.N., Onkol T., Yildiz I.	10406638	https://www.tandfonline.com/toc/gpol20/current
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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.	304026	https://www.sciencedirect.com/journal/optik



Detailed spectra, electronic properties, qualitative non-covalent interaction analysis, solvatochromism, docking and molecular dynamics simulations in different solvent atmosphere of cenobamate	Pooventhiran T., Bhattacharyya U., Rao D.J., Chandramohan V., Karunakar P., Irfan A., Mary Y.S., Thomas R.	10400400	https://www.springer.com/journal/11224
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Prevalence and Pattern of Consumption of Alcoholic Beverages in Kerala: A Study of College Students in Central Kerala,	Tom, J., Gaurav, K (2020)	ISSN 2277-2022	https://www.rjhsonline.com/
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Direct Bandgap-like Strong Photoluminescence from Twisted Multilayer MoS ₂ grown on SrTiO ₃ Direct Bandgap-like Strong Photoluminescence from Twisted Multilayer MoS ₂ grown on SrTiO ₃	Soumya Sarkar, Sinu Mathew*, Ashutosh Rath, Majid Panahandeh-Fard, Surajit Saha, Sreetosh Goswami, Mary Scott, Thirumalai Venkatesan	1936-0851 (print); 1936-086X (web)	https://pubs.acs.org/journal/ancac3
A study on antennal sensilla of the female worker castes of <i>Tetragonula iridipennis</i> (Smith) (Hymenoptera: Apidae).	Martin J. Babu and Sujitha C.R.	ISSN 0973-1555(Print) ISSN 2348-7372(Online)	https://www.britannica.com/science/haltere
Potential effects of endocrine disruptors on various organisms	Ann Mary Jacob and Jose D Kaippallil	ISSN 2413-7014	https://www.jbarbiomed.com/index.php/home
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Hole transport nature exploration of 4,4-Difluoro-8-(C ₄ H ₃ 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., Al-Sehemi A.G., Assiri M.A.	8927022	https://ieeexplore.ieee.org/document/8927022
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.	24058440	https://www.cell.com/heliyon/home



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, (S0020169319314148), (10.1016/j.ica.2019.119305))	Sruthi P.R., Sarika V., Suku A., Krishnan A., Anas S.	201693	https://www.sciencedirect.com/journal/inorganica-chimica-acta
Response of the Equatorial Ionosphere to the Annular Solar Eclipse of 15 January 2010	Jose L., Vineeth C., Pant T.K., Kumar K.K.	21699380	https://agupubs.onlinelibrary.wiley.com/journal/21699402
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.	1677322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids
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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.	1063780X	https://www.pleiades.online/en/journal/plasphys/
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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
Catalytic activity of Derris trifoliata stabilized gold and silver nanoparticles in the reduction of isomers of nitrophenol and azo violet	Cyril N., George J.B., Nair P.V., Joseph L., Sunila C.T., Smitha V.K., Anila B.N., Syllas V.P.	2352507X	https://www.sciencedirect.com/journal/nano-structures-and-nano-objects
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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
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., Almohammed A.R., Roxy M.S., Al-Saadi A.A.	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy



Amidoxime modified PAN supported palladium complex: A greener and efficient heterogeneous catalyst for heck reaction	Sruthi P.R., Sarika V., Suku A., Krishnan A., Anas S.	201693	https://www.sciencedirect.com/journal/inorganica-chimica-acta
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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
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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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure



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.	13861425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy
Development and characterization of organoclay filled polyetherimide nanocomposites for anticorrosive coatings	James Jose A., Chacko F., Wilson R., Alagar M.	22147853	https://www.sciencedirect.com/journal/materials-today-proceedings
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.	10406638	https://www.tandfonline.com/doi/gp/10.1080/00207179.2022.2088888
Mechanistic insights can resolve the low reactivity and selectivity issues in intermolecular Rauhut–Currier (RC) reaction of c-hydroxyenone†	Ullah Z., Thomas R.	11440546	https://pubs.rsc.org/en/journal/crystcomm/journalissues/nj#!recentarticles&adv
Eleven new records of lichens to the state of Kerala, India	Zachariah S.A., Nayaka S., Joseph S., Gupta P., Varghese S.K.	9747893	https://threatenedtaxa.org/10.1093/ta/taab001



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Effect of Structural Water on the Dielectric Properties of Hydrated Tungsten Trioxide	Manuja M., Sarath K.V., Thomas T., Jose J., Jose G.	3615235	https://www.springer.com/journal/11664
Syntheses, characterizations, crystal structures, DFT/TD-DFT, luminescence behaviors and cytotoxic effect of bicompartamental 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.	2682605	https://onlinelibrary.wiley.com/journal/10990739
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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure



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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
Design, synthesis and characterization of enzyme-analogue-built polymer catalysts as artificial hydrolases	Mathew D., Thomas B., Devaky K.S.	21691401	https://www.tandfonline.com/toc/ianb20/current
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., Bhattacharyya 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.	16617827	https://www.mdpi.com/journal/ijerph
A new approach for the shaping up of very fine and beadless UV light absorbing polycarbonate fibers by electrospinning	Baby T., Jose E T., George G., Varkey V., Cherian S.K.	1429418	https://www.sciencedirect.com/journal/polymer-testing



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Unraveling the effects Mn-site doping on structural, magnetic and magnetotransport properties of Nd _{0.67} Sr _{0.33} Mn _{0.9} T _{0.1} O ₃ (T= Mn, Fe, Cr, Ni)	Joseph S., John R.E., Saban K.V.	2728842	https://www.sciencedirect.com/journal/ceramics-international
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.	2567679	https://www.springer.com/journal/10118/
Recent Advances in Cross-linked Polyethylene-based Nanocomposites for High Voltage Engineering Applications: A Critical Review	Thomas J., Joseph B., Jose J.P., Maria H.J., Main P., Ali Rahman A., Francis B., Ahmad Z., Thomas S.	8885885	https://pubs.acs.org/journal/iecred?cookieSet=1
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.	24058440	https://www.cell.com/heliyon/home
Multifunctional transition metal doped Sb ₂ O ₃ thin film with high near-IR transmittance, anti-reflectance and UV blocking features	Divya K.V., Abraham K.E.	1694332	https://www.sciencedirect.com/journal/applied-surface-science



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.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1
Exploring the dielectric behavior of Titania Tenorite nanocomposites	Kurien N.A., Divya K.V., Thomas P., Abraham K.E.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1
Electrical properties of Mn ₃ O ₄ nanorods developed through aluminum anodic membranes	John N., Divya K.V., Abraham K.E.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1
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.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1
Influence of pH on structural and magnetic properties of nanocrystalline cobalt ferrites synthesized by sol-gel method	Anila I., Mathew M.J.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1
Magneto caloric effects of (Gd _{1-x} Prx) ₅ Si _{2.1} Ge _{1.8} Sn _{0.1} alloys in low magnetic field near room temperature	Xavier J., Saban K.V.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1
Characterization and magnetic phase resolution of CoFe ₂ O ₄ nanocubes and nanospheres	Cheriyen R.M., Anila I., Mathew M.J.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1



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Preparation and characterization of luminescent polycarbonate nanofibers embedded with surface capped CdS nanoparticles	Baby T., Jose E.T.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1
A novel route for the synthesis of gamma phased Fe ₂ O ₃ nanoparticles through polymer assisted spray pyrolysis	Sadanandan A.K., Mathew M.J.	0094243X	https://aip.scitation.org/journal/apc?cookieSet=1
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.	23656549	https://chemistry-europe.onlinelibrary.wiley.com/toc/23656549/2022/7/27
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.	17599954	https://www.rsc.org/journals-books-databases/about-journals/polymer-chemistry/
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.	2504707	https://www.springer.com/journal/12034



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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.	10530509	https://www.springer.com/journal/10895
Syntheses, X-ray crystal structures of two new Zn(II)-dicyanamide complexes derived from H ₂ vanen-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.	201693	https://www.sciencedirect.com/journal/inorganica-chimica-acta



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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.	10933263	https://www.sciencedirect.com/journal/journal-of-molecular-graphics-and-modelling



Synthesis and spectroscopic study of two new pyrazole derivatives with detailed computational evaluation of their reactivity and pharmaceutical potential	Thomas R., Mary Y.S., Resmi K.S., Narayana B., Sarojini S.B.K., Armaković S., Armaković S.J., Vijayakumar G., Alsenoy C.V., Mohan B.J.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
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.	10229760	https://www.springer.com/journal/10965
Preparation and characterisation of surface roughened PMMA electrospun nanofibers from PEO - PMMA polymer blend nanofibers	Philip P., Tomlal Jose E., Chacko J.K., Philip K.C., Thomas P.C.	1429418	https://www.sciencedirect.com/journal/polymer-testing
Corrosion inhibition of mild steel using chitosan / TiO ₂ nanocomposite coatings	John S., Salam A., Baby A.M., Joseph A.	3009440	https://www.sciencedirect.com/journal/progress-in-organic-coatings



Monovalent doping effects on the structural, magnetic and magnetotransport properties of $\text{La}_{0.833}\text{R}_{0.167}\text{MnO}_3$ (R = Li+, Na+, Ag+, K+)	Joseph S., Saban K.V.	2728842	https://www.sciencedirect.com/journal/ceramics-international
Determination of ferromagnetic, superparamagnetic and paramagnetic components of magnetization and the effect of magnesium substitution on structural, magnetic and hyperfine properties of zinc ferrite nanoparticles	John S.P., Mathew J.	3048853	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials
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Photocatalytic colour enhancement of Methylene Blue and Rhodamine B dyes by coupled Titania Tenorite nanocomposites	Kurien N.A., Divya K.V., Thomas P., Abraham K.E.	12932558	https://www.sciencedirect.com/journal/solid-state-sciences
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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.	22147853	https://www.sciencedirect.com/journal/materials-today-proceedings
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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.	1694243	https://www.tandfonline.com/toc/tast20/current
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Ultra structure of the compound eyes of the ants - <i>Odontomachus haematodus</i> and <i>Diacamma rugosum</i>	Babu M.J., Nair R.	113891	https://www.currentscience.ac.in/
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Understanding reactivity of two newly synthesized imidazole derivatives by spectroscopic characterization 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.	222860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
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Structural, optical and magnetic studies of CuFe ₂ O ₄ , MgFe ₂ O ₄ and ZnFe ₂ O ₄ nanoparticles prepared by hydrothermal/solvothermal method	Kurian J., Mathew M.J.	3048853	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials



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Attractive dielectric responses with doping of Cr ³⁺ and Ti ⁴⁺ in Sm _{1.5} Sr _{0.5} NiO ₄ ceramics	Abraham K., Thomas A.K., Thomas J., Saban K.V.	22147853	https://www.sciencedirect.com/journal/materials-today-proceedings
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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.	452068	https://www.sciencedirect.com/journal/bioorganic-chemistry
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.	9253467	https://www.sciencedirect.com/journal/optical-materials
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Corrosion inhibition of mild steel by N(4)-substituted thiosemicarbazone in hydrochloric acid media	John S., Jeevana R., Aravindakshan K.K., Joseph A.	11100621	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



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A facile approach to the elucidation of magnetic parameters of CuFe ₂ O ₄ nanoparticles synthesized by hydrothermal route	Kurian J., Jacob Mathew M.	3048853	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials
Relation between interplanetary parameters and geomagnetic field variations during solar cycle 24	Visakh Kumar U.L., Varghese B.S., Kurian P.J.	3678393	http://op.niscair.res.in/index.php/IJRSP



Inhibition of Mild Steel Corrosion using Chitosan– Polyvinyl Alcohol Nanocomposite Films by Sol–Gel Method: An Environmentally Friendly Approach	John S., Joseph A., Kuruvilla M., Sajini S.	21984220	https://www.springer.com/journal/40735
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.	21870764	https://www.tandfonline.com/journals/tace20
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.	323861	https://www.nature.com/pi/
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.	10667857	https://www.tandfonline.com/toc/ynte20/current
Performance evaluation of polysulfone/graphene nanocomposites	Jose A.J., Alagar M., John S., Wilson R.	18625282	https://www.degruyter.com/journal/key/ijmr/html?lang=en
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High temperature ferroelectric behaviour in α -MnO ₂ 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.	14639076	https://www.rsc.org/journals-books-databases/about-journals/pccp/
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