

Department of Chemistry

2016

Sl. no	Title of Paper	Name of the Author/s	Name of Journal	ISSN Number	Link to website of the Journal
1	Synthesis, characterization, anticancer activity, optical spectroscopic and docking studies of novel thiophene-2-carboxaldehyde derivative	Mohamed Ahadu Shareef, Mohamed Musthafa, Devadasan Velmurugan, Subramani Karthikeyan, Singaravelu Ganesan, Syed Ali Padusha, Saiyad Musthafa & Jamal Mohamed	European Journal of Chemistry	2153-2257	European Journal of Chemistry (eurjchem.com)
2	Physiologically Based Pharmacokinetic Model For Plant Based Antioxidant Drugs	Baskar Viswanathan, Shabeer TK, Afiya Razia Chida, DM Stanly	Asian Journal of Pharmaceutical and Clinical Research	Print ISSN-0974-2441, Online 2455-3891	Asian Journal of Pharmaceutical and Clinical Research (innovareacademics.in)
3	Preparation and Physicochemical Characterization of Ag Nanorods Phytosynthesis by the <i>Petroselinum crispum</i> Plant Extract	C Ragupathi, R Azhagu Raj, G Ramalingam, K Arun Kumar, N Mohamed Basith	Advanced Science, Engineering and Medicine	2164-6635	Advanced Science, Engineering and Medicine (aspbs.com)
4	Antioxidant, DNA interaction, molecular docking and cytotoxicity studies of aminoethylpiperazine-containing macrocyclic binuclear copper(II) complexes	C. Karthick, K. Karthikeyan, Purna Sai Korrapati, A. Kalilur Rahiman	Applied Organometallic Chemistry	1099-0739	https://onlinelibrary.wiley.com/journal/10990739
5	Antioxidant, DNA interaction, VEGFR2 kinase, topoisomerase I and <i>in vitro</i> cytotoxic activities of heteroleptic copper(II)	A. Haleel, D. Mahendiran, V. Veena,	Materials Science and Engineering C	0928-4931	https://www.journals.elsevier.com/material

	complexes of tetrazolo[1,5- <i>a</i>] pyrimidines and diimines	N. Sakthivel, A. Kalilur Rahiman			s-science-and-engineering-c
6	Theoretical, photophysical and biological investigations of an organic charge transfer compound 2-aminobenzimidazolium-2-oxyisoindolate-1,3-dione-2-hydroxyisoindoline-1,3-dione	D. Mahendiran, G. Vinitha, S. Shobana, V. Viswanathan, D. Velmurugan, A. Kalilur Rahiman	RSC Advances	2046-2069	https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/?_ga=2.184603819.385798339.1631247785-2061819600.1547119229
7	Structural, magnetic, optical, and catalytic properties of Fe ₃ O ₄ nanoparticles by the sol-gel method	N Mohamed Basith, R Azhagu Raj, MS AlSalhi, S Devanesan, SJ Askar Ali, S Rajasekar, R Sundaram, C Ragupathi	Journal of Superconductivity and Novel Magnetism	1557-1939	Journal of Superconductivity and Novel Magnetism Home (springer.com)
8	Theoretical calculations, DNA interaction, topoisomerase I and phosphatidylinositol-3-kinase studies of water soluble mixed-ligand nickel(II) complexes	P. Gurumoorthy, D. Mahendiran, A. Kalilur Rahiman	Chemico-Biological Interactions	0009-2797	Chemico-Biological Interactions Journal ScienceDirect.com by Elsevier
9	Targeting of DNA molecules, BSA/ <i>c</i> -Met tyrosine kinase receptors and anti-proliferative activity of bis(terpyridine)copper(II) complexes	D. Mahendiran, R.S. Kumar, V. Viswanathan, D. Velmurugan, A. Kalilur Rahiman	Dalton Transactions	1477-9234	https://www.rsc.org/journals-books-databases/about-journals/dalton-transactions/
10	Theoretical investigation, biological evaluation and VEGFR2 kinase studies of metal(II) complexes derived from hydrotris(methimazolyl)borate	S. Jayakumar, D. Mahendiran, T. Srinivasan, G. Mohanraj, A. Kalilur Rahiman	Journal of Photochemistry and Photobiology B: Biology	1011-1344	Journal of Photochemistry and Photobiology B: Biology - Journal - Elsevier

11	Influence of Fe-doping on the structural, morphological, optical, magnetic and antibacterial effect of ZnO nanostructures	N Mohamed Basith, J Judith Vijaya, L John Kennedy, M Bououdina, R Shenhagaraman, R Jayavel	Journal of nanoscience and nanotechnology	1533-4880	Journal of Nanoscience and Nanotechnology: Ingenta Connect Publication
12	New pyridazine-based binuclear nickel(II), copper(II) and zinc(II) complexes as prospective anticancer agents	U. Muhammed Rafi, D. Mahendiran, A.K. Haleel, R.P. Nankar, M. Doble, A. Kalilur Rahiman	New Journal of Chemistry	1369-9261	New Journal of Chemistry Home-A journal for new directions in chemistry Editor-in-chief: Jean-Fran&#231;ois G&#233;rard Impact factor: 3.591 Time to first decision (with reviews): 27 days (rsc.org)

2017

Sl. no	Title of Paper	Name of the Author/s	Name of Journal	ISSN Number	Link to website of the Journal
1	Evaluation of photocatalytic, antimicrobial and anticancer activities of ZnO/MS (M = Zn, Cd or Pb) core/shell nanoparticles	Dilaveez Rehana, D. Mahendiran, R. Manigandan, V. Narayanan, A. Kalilur Rahiman	Materials Science and Engineering B	0921-5107	https://www.journals.elsevier.com/materials-science-and-engineering-b
2	The first example of bis(indolyl)methane based hyperbranched polyurethanes: Synthesis, solar cell application and anti-bacterial and anti-oxidant properties	Subramaniyan Sathiyaraja, A. Shanavasb, K. Ashok Kumarc, A. Sathiyaseeland, J. Senthilselvanc, P.T. Kalaichelvand, A. Sultan Nasar	European Polymer Journal	0014-3057	European Polymer Journal ScienceDirect.com by Elsevier
3	Synthesis, Characterization and Antimicrobial Studies of Mannich Base Derived from 2-Methyl Benzimidazole and its Metal Complexes	A. ASHMA, G. SASIKUMAR, A. SUBRAMANI, SJ and S.J. ASKAR ALI	Asian Journal of Chemistry	0970-7077	Asian Journal of Chemistry ::Home
4	In vitro and <i>in vivo</i> anti-proliferative evaluation of bis(4'-(4-tolyl)-2,2':6',2''-terpyridine)copper(II) complex against Ehrlich Ascites carcinoma tumors	D. Mahendiran, R. Senthil Kumar, V. Viswanathan, D. Velmurugan. A. Kalilur Rahiman	Journal of Biological Inorganic Chemistry	0949-8257	JBIC Journal of Biological Inorganic Chemistry Home (springer.com)
5	The First Example of Bisindole-Based Polyurethane Dendrimers: Synthesis and Performance in DSSC	Subramaniyan Sathiyaraj,[a] Kaliamurthy Ashok Kumar,[b] Abdul Kadar Jailani Shanavas,[c] and	Chemistry Select	2365-6549	ChemistrySelect - Chemistry Europe - Wiley Online Library

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6	Heteroleptic metal(II) complexes of hydrotris(methimazolyl)borate and diimines: Synthesis, theoretical calculations, antimicrobial, antioxidant, <i>in vitro</i> cytotoxicity and molecular docking studies	S. Jayakumar, D. Mahendiran, Dilaveez Rehana, A. Kalilur Rahiman	Microbiol Pathogenesis	0882-4010	https://www.sciencedirect.com/journal/microbial-pathogenesis
7	Heteroleptic silver(I) complexes with 2,2':6',2''-terpyridines and naproxen: DNA interaction, EGFR/VEGFR2 kinase, growth inhibition and cell cycle arrest studies	D. Mahendiran, R. Senthil Kumar, A. Kalilur Rahiman	Materials Science and Engineering C	0928-4931	https://www.journals.elsevier.com/materials-science-and-engineering-c
8	Biosynthesis of zinc oxide nanoparticles using plant extracts of <i>Aloe vera</i> and <i>Hibiscus sabdariffa</i> : Phytochemical, antibacterial, antioxidant and anti-proliferative studies	D. Mahendiran, G. Subash, D. Arumai Selvan, Dilaveez Rehana, R. Senthil Kumar, A. Kalilur Rahiman	BioNanoScience	2191-1649	https://www.springer.com/journal/12668
9	Heteroscorpionate-based heteroleptic copper(II) complexes: Antioxidant, molecular docking and <i>in vitro</i> cytotoxicity studies	S. Jayakumar, D. Mahendiran, V. Viswanathan, D. Velmurugan, A. Kalilur Rahiman	Applied Organometallic Chemistry	1099-0739	https://onlinelibrary.wiley.com/journal/10990739
10	Evaluation of antioxidant and anticancer activity of copper oxide nanoparticles synthesized using medicinally important plant extracts	Dilaveez Rehana, D. Mahendiran, R. Senthil Kumar, A. Kalilur Rahiman	Biomedicine & Pharmacotherapy	0753-3322	https://www.journals.elsevier.com/biomedicine-and-pharmacotherapy
11	Synthesis and Characterization of New Polyesters Using Schiff Base Monomer	A Subramani, KM Mustaque, TK Shabeer	Asian Journal of Chemistry	ISSN: 0975-427X (Online) ISSN: 0970-7077 (Print)	www.asianjournalofchemistry.co.in/Home.aspx

12	In vitro antioxidant and antidiabetic activities of zinc oxide nanoparticles synthesized using different plant extracts	Dilaveez Rehana, D. Mahendiran, R. Senthil Kumar, A. Kalilur Rahiman	Bioprocee and Biosystems Engigeering	1615-7605	https://www.springer.com/journal/449
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2018

Sl. no	Title of Paper	Name of the Author/s	Name of Journal	ISSN Number	Link to website of the Journal
1	Recovery and Reuse of Methylene Blue from Aqueous Solution Using Phenol as Carrier	P. JAHFAR ALI S. ELUMALAI M. SATHYA G. MUTHURAMAN	ASIAN JOURNAL OF CHEMISTRY	9707077	https://www.asianjournalofchemistry.co.in/Home.aspx
2	Enhancing Catalytic Activity of Mn ₃ O ₄ by Selective Liquid Phase Oxidation of Benzyl Alcohol	S Narayanan, N Mohamed Faizee, P Paramasivam, A Meera Moydeen, C Ragupathi, N Mohamed Basith	Advanced Science, Engineering and Medicine	<u>2164-6635</u>	Advanced Science, Engineering and Medicine (aspbs.com)
3	An Insight into the Anti-Tubercular Potential of Schiff Bases	Meeran, I. S.; Tajudeen, S. S.; Dusthakeer, V. N. A.; Shabeer, T. K.	Journal of Pharmaceutical, Chemical and Biological Sciences	2348 - 7658	http://jpcbs.info/Vol_6_Issue_3_September_November_18.html
4	Historic Review on Modern Herbal Nanogel Formulation and Delivery Methods	Baskar, V.; Meeran I, S.; Subramani A, Sruthi.; Ali, J.; Shabeer, T.K.	International Journal of Pharmacy and Pharmaceutical Sciences,	Print ISSN: 2656-0097	https://innovareacademics.in/journals/index.php/ijpps/index
5	Pyridazine-based heteroleptic copper(II) complexes as potent anticancer drugs by inducing apoptosis and S-phase arrest in breast cancer cell	U.M. Rafi, D. Mahendiran, V.G. Devi, M. Doble, A. Kalilur Rahiman	Inorganica Chimica Acta	0020-1693	https://www.sciencedirect.com/journal/inorganica-chimica-acta
6	Influences of Temperature on Synthesis of α -Iron Oxide Nanoparticles, Characterization and Catalytic Activity	C Ragupathi, S Narayanan, MP Pachamuthu, N Mohamed Basith, R Kannapiran, G Ramalingam	Advanced Science, Engineering and Medicine	<u>2164-6635</u>	Advanced Science, Engineering and Medicine (aspbs.com)

7	Synthesis, Characterization and Antibacterial activity and molecular docking studies of hydrazone based ligand and their transition metal complexes	A.ASHMA, S.SHOBANA, G.Sasi kumar, A.Subramani, Dr. S.J. Askar Ali	International Journal of Research and Analytical Reviews	0975-6299	International Journal of Pharma and Bio Sciences (ijpbs.net)
8	Synthesis, characterization, electrochemical and molecular docking studies of ternary metal (II) complexes with schiff base ligand and 1,10-phenanthroline	G. SASIKUMAR, A.ASHMA, A.SUBRAMANI AND S.J. ASKAR ALI	IJPBS Article - International Journal of Pharma and Bio Sciences	0975-6299	International Journal of Pharma and Bio Sciences (ijpbs.net)
9	Bis(thiosemicarbazone)copper(I) complexes as prospective therapeutic agents: Interaction with DNA/BSA molecules, and in vitro and in vivo anti-proliferative activities	D. Mahendiran, N. Pravin, N.S.P. Bhuvanesh, R.S. Kumar, V. Viswanathan, D. Velmurugan, A. Kalilur Rahiman	ChemistrySelect	2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549
10	Theoretical, biological and <i>in silico</i> studies of pendant-armed heteroleptic copper(II) phenolate complexes	P. Arthi, D. Mahendiran, S. Shobana, P. Srinivasan, A. Kalilur Rahiman	Journal of Molecular Structure	0022-2860	https://www.journals.elsevier.com/journal-of-molecular-structure
11	Copper complexes as prospective anticancer agents: <i>In vitro</i> and <i>in vivo</i> evaluation, selective targeting of cancer cells by DNA damage and S phase arrest	D. Mahendiran, S. Amuthakala, N.S.P. Bhuvanesh, R. Senthil Kumar, A. Kalilur Rahiman	RSC Advances	2046-2069	https://www.rsc.org/journals-books-databases/about-journals/rsc-advances/?_ga=2.184603819.385798339.1631247785-2061819600.1547119229
12	Amino Acid Catalyzed Synthesis of 2,3-Dihydroquinazolin-4(1H)-one Derivatives	KM Mustaque, A Subramani, TK Shabeer, H Thajudeen, VS Ahamed,	Letters in Organic Chemistry	ISSN: 1875-6255 (Online)	https://benthamscience.com/index.php

				1570-1786 (Print)	
13	Design, Adme Profiling and Molecular Docking Simulation of New Isoniazid - Schiff Base Analogs as Mtkasb Inhibitors	Meeran, I. S.; Baskar, V.; Tajudeen, S. S.; Shabeer, T. K.	Asian Journal of Research in Chemistry and Pharmaceutical Sciences	2349 – 7106	http://www.ajrcps.com/
14	Garlic, green tea and turmeric extracts-mediated green synthesis of silver nanoparticles: Phytochemical, antioxidant and <i>in vitro</i> cytotoxicity studies	D. Arumai Selvan, D. Mahendiran, R. Senthil Kumar, A. Kalilur Rahiman	Journal of Photochemistry and Photobiology B: Biology	1011-1344	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-b-biology

2019

Sl. no	Title of Paper	Name of the Author/s	Name of Journal	ISSN Number	Link to website of the Journal
1	Bis(imidazol-1-yl)methane-based heteroscorpionate metal(II) complexes: Theoretical, antimicrobial, antioxidant, <i>in vitro</i> cytotoxicity and <i>c</i> -Met tyrosine kinase studies	S. Jayakumar, D. Mahendiran, D. Arumai Selvan, A. Kalilur Rahiman	Journal of Molecular Structure	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
2	Development and molecular modeling of VEGFR2 kinase protein with tetrazole based copper(II) & zinc(II) complexes	S.H. Mohamed Yusuf, Haleel Azees Khan, T.K. Shabeer	8th International Conference on Modeling Simulation and Applied Optimization (ICMSAO)	E-ISSN: 2573-5276, Print ISSN: 2473-4748	https://ieeexplore.ieee.org/xpl/conhome/8868013/proceeding
3	Evaluation of Antimicrobial and Antidiabetic Activities of Ag@SiO ₂ Core-Shell Nanoparticles Synthesized with Diverse Shell Thicknesses	D.S. Arumai Selvan, S. Shobana, P. Thiruvassagam, S. Murugesan, A. Kalilur Rahiman	Journal of Cluster Science	1572-8862	https://www.springer.com/journal/10876
4	Catechol oxidase and phenoxazinone synthase mimicking activities of mononuclear iron(III) and cobalt(III) complexes of amino-bis(phenolate)-based mixed ligands: Synthesis, spectral and electrochemical studies	S. Indira, G. Vinoth, M. Bharathi, S. Bharathi, A. Kalilur Rahiman, K. S. Bharathi	Inorganica Chimica Acta	0020-1693	https://www.sciencedirect.com/journal/inorganica-chimica-acta
5	Mixed ligand ternary complexes of Co(II), Ni (II), Cu(II) and Zn(II) and their structural characterization, electrochemical, theoretical and biological studies	G.SasikumaraS.ArulmozhiA.AshmabA.SudhaaS.J.Askar ali	Journal of Molecular Structure	0022-2860	Journal of Molecular Structure ScienceDirect.com by Elsevier

6	Theoretical, antimicrobial, antioxidant, <i>in vitro</i> cytotoxicity, and cyclin-dependent kinase 2 inhibitor studies of metal(II) complexes with bis(imidazol-1-yl)methane-based heteroscorpionate ligands	S. Jayakumar, D. Mahendiran, A. Kalilur Rahiman	Journal of Coordination Chemistry	0095-8972	https://www.tandfonline.com/action/journalInformation?journalCode=gcoo20
7	Biocompatibility, <i>in vitro</i> anti-proliferative and <i>in silico</i> EGFR/VEGFR2 studies of heteroleptic metal(II) complexes of thiosemicarbazones and naproxen	S. Bharathi, D. Mahendiran, R. S. Kumar, Y. G. Kim, M. Gajendiran, K. Kim, A. Kalilur Rahiman	Chemical Research in Toxicology	0893-228X	https://pubs.acs.org/page/crtoec/about.html
8	Molecular Docking and Antimicrobial activity of heterocyclic thiosemicarbazone and their transition metal complexes	A.ASHMA, G.Sasi kumar, A.Subramani, S.J. Askar Ali	Journal of Emerging Technologies and Innovative Research	2349-5162	Journal JETIR follow UGC CARE List, UGC-CARE journal, ugc care, ugc care approved list, ugc approved journal, ugc care Journal, UGC-CARE, UGC Approved UGC CARE, UGC-CARE, UGC Approved List of Research Journal, ugc approved journal, research journal
9	DNA profiling and <i>in vitro</i> cytotoxicity studies of tetrazolo[1,5- <i>a</i>]pyrimidine-based copper(II) complexes	A.K. Haleel, U. Muhammed Rafi, D. Mahendiran, L. Mitu, V. Veena, A. Kalilur Rahiman	BioMetals	1572-8773	https://www.springer.com/journal/10534

10	In vitro anti-proliferative and in silico docking studies of heteroleptic copper(II) complexes of pyridazine-based ligands and ciprofloxacin	U. Muhammed Rafi, D. Mahendiran, R. Senthil Kumar, A. Kalilur Rahiman	Applied Organometallic Chemistry	1099-0739	https://onlinelibrary.wiley.com/journal/10990739
11	Tetrazolo[1,5- <i>a</i>]pyrimidine-based metal(II) complexes as therapeutic agents: DNA interaction, targeting topoisomerase I and cyclin-dependent kinase studies	A. Haleel, D. Mahendiran, U. Muhammed Rafi, V. Veena, S. Shobana, A. Kalilur Rahiman	Inorganic and Nano-Metal Chemistry	2470-1556	https://www.tandfonline.com/toc/lstrt21/current
12	Mononuclear mixed ligand cobalt (II), nickel (II), copper (II) and Zinc (II) complex: Biological evaluation, theoretical and molecular docking studies	G. Sasikumar, A.Sudha, N.Thanigaiarul, A.Ashma,, Subramani, S.J. Askar Ali	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS (IJRAR.ORG)	2349-5138	https://ijrar.org/
13	Thermal and Mechanical Properties of Organically Modified Bentonite Reinforced PVC/Polyester Blend Nanocomposite Films	A. Mohammed Ibrahim, A. Subramani, T.K. Shabeer,	Journal of Research and Analytical Review	E-ISSN 2348-1269, P- ISSN 2349-5138)	www.ijrar.org
14	Synthesis and characterization of nanoclay doped PVC/polyester composite film	A. Mohammed Ibrahim, T.K. Shabeer	Journal of Indian Chemical Society	ISSN: 0975-0983 (Online)	http://www.indianchemicalsociety.com

2020

Sl. no	Title of Paper	Name of the Author/s	Name of Journal	ISSN Number	Link to website of the Journal
1	Investigation of molecular docking, biological and DEF studies of schiff base transition metal complexes	Sudha, A Ali, S J Askar	Indian Journal of Chemistry	0376-4710	NOPR: Home (niscair.res.in)
2	Thiosemicarbazone-based bifunctional chemosensors for simultaneous detection of inorganic cations and fluoride anion	S. Amuthakala, S. Bharathi, A. Kalilur Rahiman	Journal of Molecular Structure	0022-2860	https://www.sciencedirect.com/journal/journal-of-molecular-structure
3	One -pot synthesis of bidentate ligand CHTC @ Cu(II), Ni(II), Co(II), and Zn(II) complexes of anti-mycobacterial and molecular docking studies	Ashma A., Anandhavelu S., Anbarasu S. and Askar Ali S.J.	Research Journal of Chemistry and Environment	0972-0626	https://worldresearchersassociations.com/chemistryhome.aspx
4	Photophysical, Theoretical, Pharmacogenomics and Biological Studies of Synthesized New Symmetrical Diol Schiff Base and 4-Arylidene Curcumin Monomers	A. Subramani, L. Benazir Ali, V. Rosi, T.K. Shabeer,	Journal of Molecular Structure	0022-2860	Aims & scope - Journal of Molecular Structure ScienceDirect.com by Elsevier
5	Recovery and Reuse of Malachite Green Using Ochlorobenzoic acid Through Bulk Liquid Membrane Technique	Jahfar Ali ,Muthuraman	Journal of Emerging Technologies and Innovative Research	2349-5162	Journal JETIR follow UGC CARE List, UGC-CARE journal, ugc care, ugc care approved list, ugc approved journal, ugc care Journal, UGC-CARE, UGC Approved UGC CARE, UGC-CARE, UGC Approved List of Research Journal,

					ugc approved journal, research journal
6	Biological Evaluation and VEGFR2 Kinase Studies of Metal (II) Complexes Derived From N-benzoylatedtetrazolo[1,5-A]pyrimidine ligands with Ciprofloxacin Drug	S.H. Mohamed Yusuf, Haleel Azees Khan, T.K. Shabeer	International Journal of Pharmaceutical, Chemical and Biological Sciences (IJPCBS)	2249–9504	https://www.ijpcbs.com/
7	one pot syntheis of schiff base complexes of Cu (II), Zn(II), Ni(II), Co (II) and their cytotoxicity, molecular docking and antibacterial activity	A. Ashma, A. sudha, S.L. Ashoke kumar, G. sasikumar and s.j. Askar ali	Asian Journal of Chemistry	0970-7077	Asian Journal of Chemistry ::Home
8	Evaluation of α -Amylase Inhibitory, Activity, Molecular Modeling, Total Antioxidant and Theoretical Studies of Novel Schiff Base Transition Metal Complexes	A. Sudha, S. Arulmozhi and S.J. Askar Ali	Asian Journal of Chemistry	0970-7077	Asian Journal of Chemistry ::Home
9	In-vitro α -Amylase Inhibitory Activity, Docking, DFT and Total antioxidant studies of scheff base metal complexes	Sudha A., Sasikumar G. and Askar Ali S.J.	Research Journal of Chemistry and Environment	0972-0626	https://worldresearchersassociations.com/chemistryhome.aspx
10	In vitro antioxidant and insulin mimetic activities of heteroleptic oxovanadium(IV) complexes with thiosemicarbazones and naproxen	S. Bharathi, D. Mahendiran, R. Senthil Kumar, A. Kalilur Rahiman	ChemistrySelect	2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549
11	Silver(I) metallodrugs of thiosemicarbazones and naproxen: biocompatibility, in vitro anti-proliferative activity and in silico interaction studies with EGFR, VEGFR2 and LOX receptors	S. Bharathi, D. Mahendiran, R. S. Kumar, H. J. Choi, M. Gajendiran, K. Kim, A. Kalilur Rahiman	Toxicology Reseach	2045-4538	https://academic.oup.com/toxres
12	Modeling of ayurveda ghee based solid lipid nano particles and their comprehensive pharmacokinetics study	V. Baskar, B. Lakshmi, K. Ibrahim, T.K.	Materials Today: Proceedings	ISSN 2214-7853	https://www.journals.elsevier.com/materials-today-proceedings

		Shabeer, A. Jawahar Ali,			
13	4-Functionalized terpyridine derivative as dual responsive chemosensor for biologically important inorganic cations and fluoride anion	S. Amuthakala, D. S. Arumai Selvan, A. Kalilur Rahiman	Journal of the Iranian Chemical Society	1735-2428	https://www.springer.com/journal/13738

2021

Sl. no	Title of Paper	Name of the Author/s	Name of Journal	ISSN Number	Link to website of the Journal
1	Comparative theoretical analysis using DFT & MP2 calculations, ADMET profiling and docking studies of the drug telotristat ethyl	S. Anaridha, P.K. Mohamed Imran, I. Salim Meeran, T.K. Shabeer	Journal of the Indian Chemical Society	0019-4522	https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society
2	<i>In vitro cytotoxicity efficacy of phytosynthesized Ag/ZnO nanocomposites using Murraya koenigii and Zingiber officinale extracts</i>	D.S. Arumai Selvan, M. Keerthi, S. Murugesan, S. Shobana, B. Lakshmi, V. Veena, A. Kalilur Rahiman	Materials Chemistry and Physics	0254-0584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics
3	A new chemically modified carbon paste electrode derived from aloe vera xanthate nanoparticles to detect mercury ions	M. Muthukumar, Z. Waseem Basha, K. Venkatachalam, and A. Rasheeth	Electroanalysis	1521-4109	Electroanalysis - Wiley Online Library
4	Identifying clinically significant novel drug candidate for highly prevalent Alzheimer's disease	Benazir Ali L, Subramani A, Baskar T, & T K Shabeer	Indian Journal of Chemical Technology	0975-0991 (Online); 0971-457X (Print)	http://nopr.niscair.res.in/handle/123456789/55
5	Antimicrobial new Schiff base polyesters: design, thermal, and structural characterizations	Ibrahim, A.M., Shabeer, T.K.	Polymer Bulletin	Print ISSN 0170-0839	https://www.springer.com/journal/289