

Sr. No.	Title of the research paper	Name of journal	ISSN Number	Year of publication	DOI/Online link if any
1	Designing of LaCrO ₃ -TiO ₂ nanocomposites p:n heterojunction - based sensor material for the selective detection of volatile petrol vapours(PV)and CO ₂ gas vapours.	Journal of the Indian chemical society.	0019-4522	2022	https://www.sciencedirect.com/science/journal/00194522
2	“Synthesis, Characterization and Antimicrobial Activity of para-Toluidineand ortho-Toluidine Schiff Base and its Cu(II) and Ni(II) Complexes”	Asian Journal of Organic& Medicinal Chemistry	2456-8937	2022	http://www.ajomc.asianpubs.org/
3	“Interpretation of Viscometric,	Asian Journal of Organic& Medicinal	2456-8937	2022	http://www.ajomc.asianpubs.org/

	Thermodynamic and Acoustic Properties of Maltose in Aqueous Sodium Fluoride”	Chemistry			
4	“Study of Molecular Interactions present in Binary Liquid Mixtures of Di-ethyl ether, Isopropyl Ether and n-Di-butyl Ether with 2-Pentanol at Different Temperatures”	Asian Journal of Organic & Medicinal Chemistry	2456-8937	2022	http://www.ajomc.asianpubs.org/
5	“Screen printing strategy for investigation of spectrophotometric properties of modified thick film of zirconium oxide and tin oxide composites”	Oriental journal of chemistry		2022	https://www.orientjchem.org/
6	“Transition metal incorporated, modified bismuth oxide (Bi ₂ O ₃)	Journal of the Indian	0019-4522	2021	https://www.sciencedirect.com/science/journal/00194522

	nano photo Catalyst for deterioration of rosaniline hydrochloride dye as resource for Environmental rehabilitation”	Chemical Society			
7	Enhanced Photocatalytic Activity of two Dimensional Graphitic C ₃ N ₄ @Co ₃ O ₄ Core Shell Nanocomposite for Discriminatory Organic Transformation of CF dye under Hg-vapor Reactor	Material Science Research India	0973-3469	2021	http://www.ospcindia.org/
8	“Antibacterial Applications of Biosynthesized AgNP	Material Science Research India	0973-3469	2021	http://www.ospcindia.org/
9	“INTERPRETATION OF VISCOMETRIC, THERMODYNAMIC AND ACOUSTIC PROPERTIES OF	Journal of the Maharaja Sayajirao University of Baroda		2020-21	https://www.msubaroda.ac.in/Publication

	SODIUM FLUORIDE IN AQUEOUS SOLUTIONS OF DEXTROSE AT DIFFERENT MOLARITIES AND TEMPERATURES				
10	Synthesis, Molecular Structure, HOMOLUMO and Spectroscopic Investigation of (E)-1-(2,4-Dichloro-5-fluorophenyl)-3-(2,6-dichlorophenyl)prop-2-en-1-one: A DFT Based Computational Exploration	Asian Journal of Organic & Medicinal Chemistry	2456-8937	2020-21	http://ajomc.asianpubs.org/
11	"Study of Soft Skill Development Programme in Higher Education System",	International Journal for Research in Applied Science & Engineering Technology,	2321-9653	2020-21	https://www.ijraset.com/
12	"Fabrication of thin film sensors by spin coating using sol-gel LaCrO ₃ Perovskite	Environmental Challenges	2667-0100	2020-21	https://www.journals.elsevier.com/environmental-challenges

	material modified with transition metals for sensing environmental pollutants, greenhouse gases and relative humidity”				
13	SPECTROPHOTOMETRIC STUDY OF SCREEN PRINTED %CuO:SnO ₂ NANO-COMPOSITE POWDER FIRED AT HIGH TEMPERATURE”	Vidyabharati International Interdisciplinary Research Journal	2319-4979,	2020-21	https://www.viirj.org/
14	“Electrical and structural characterization of antiferromagnetic tin oxide thick films prepared by screen printing technique”	journal of advanced scientific research	0976-9595	2020-21	https://scisage.info/index.php/JASR
15	“Simple Calculation based Method for Lattice Parameters in Tetragonal System using Powder XRay Diffraction Data “	journal of advanced scientific research		2020-21	https://scisage.info/index.php/JASR

16	“Research Study of I.Q.A.C and N.A.A.C in Indian Higher Education System”	journal of advanced scientific research	0976-9597	2020-21	https://sciensage.info/index.php/JASR
17	Study of Soft Skill Development Programme in Higher Education System	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2321-9653	21-Jan	International Journal & Research Paper Publisher IJRASET
18	Sol-Gel Fabricated Transition Metal Cr ³⁺ , Co ²⁺ Doped Lanthanum Ferric Oxide (LFO-LaFeO ₃) Thin Film Sensors for the Detection of Toxic, Flammable Gases: A Comparative Study	Material science research India	0973-3469	2020	Material Science Research India An International Peer Reviewed Research Journal (materialsciencejournal.org)
19	Screen Print Fabricated In ³⁺ Decorated Perovskite Lanthanum Chromium Oxide (LaCrO ₃) Thick Film Sensors for Selective Detection of Volatile Petrol Vapors	Journal of Inorganic and Organometallic Polymers and Materials	1574-1451	2020	https://www.springer.com/journal/10904 20

20	UV-C Radiation Therapy against Pandemic Covid-19 for Equipments in Dry Confined Atmosphere	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2321- 9653	2020	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
21	Investigation of Specific Interactions between the Constituent Molecules of Binary Liquid Mixtures of Methyl benzoate, Ethyl benzoate and Benzyl benzoate with 2-Pentanol at Different Temperatures	ORIENTAL JOURNAL OF CHEMISTRY	0970-020 X	2020	ORIENTAL JOURNAL OF CHEMISTRY
22	A Survey on Epidemic Growth of Corona Virus-Covid-19 in Global world: Issues, Concern and Possible Remedial Parameters.	ORIENTAL JOURNAL OF CHEMISTRY	2321-9653	2020	International Journal & Research Paper Publisher IJRASET
23	Electrical and Structural Characterization of FiredSnO ₂ Thick Films	International Journal for Research in Applied Science & Engineering Technology	2321-9653	2020	International Journal & Research Paper Publisher IJRASET

	by Screen Printing Technique				
24	Innovative Nanomaterials in Emerging Basic Sciences and their applications: An Overview”	International Journal for Research in Applied Science & Engineering Technology	2321-9653	2020	International Journal & Research Paper Publisher IJRASET
25	Role of National service scheme in enhancing Rational values in society	International Journal for Research in Applied Science & Engineering Technology	2321-9653	2020	International Journal & Research Paper Publisher IJRASET
26	Synthesis, Molecular Structure, HOMOLUMO and Spectroscopic Investigation of (E)-1-(2,4-Dichloro-5-fluorophenyl)-3-(2,6-dichlorophenyl)prop-2-en-1-one: A DFT Based Computational Exploration	Asian Journal of Organic & Medicinal Chemistry	2456-8937	2020	Asian Journal of Organic & Medicinal Chemistry
27	A Comprehensive Study on Petrol	International Journal for Research in Applied	2321-9653	2020	International Journal & Research Paper Publisher

	Vapours based Gas Sensors	Science & Engineering Technology			IJRASET
28	Nanocrystalline-modified nickel ferrite films: an effective sensor for industrial and environmental gas pollutant detection	Journal of Nanostructure in Chemistry (springer publication)	2193- 8865	2019	Journal of Nanostructure in Chemistry (springer publication)
29	Transition metal decorated Ferrosferric oxide (Fe ₃ O ₄): An expeditious catalyst for photodegradation of Carbol Fuchsin in environmental remediation	Journal of Environmental Chemical Engineering(Elsevier publication)	2213-3437	2019	Journal of Environmental Chemical Engineering(Elsevier publication)
30	Modified Sn-doped LaCrO ₃ nanostructures: focus on their characterization and applications as Ethanol sensor at a lower temperature	Journal of Nanostructure in Chemistry (springer publication)	2193- 8865	2019	Journal of Nanostructure in Chemistry (springer publication)

31	Thermodynamic Interactions of binary liquid mixture of Anisole, Phenetole and Benzyl ether with 2-Pentanol at temperatures T= 298.15K and 308.15K	Journal of Gujrath Research society	0374-8588	2019	Journal of Gujrath Research society
32	Study of physico-chemical properties, detection and toxicity study of organic compounds from effluent of MIDC Thane and GIDC Ankleshwar industrial zone	Applied Water Science(springer publication)	2190- 5495	2018	Applied Water Science(springer publication)
33	Fabrication and characterization of pure and modified Co3O4 nanocatalyst and their application for photo catalytic degradation of eosin blue dye: a comparative study	Journal of Nanostructure in Chemistry (springer publication)	2193- 8865	2018	Journal of Nanostructure in Chemistry (springer publication)

34	Synthesis, structural characterization of LaCrO ₃ nanostructures and it's gas sensing Application	Journal of Emerging Technologies and Innovative Research	2349-5162	2018	https://jetir.org/?gclid=EAIaIQobChMI26fP-dDc-QIVkZJmAh0tsws6EAAAYASAAEgLaDvD_BwE
35	"Synthesis and characterization of Schiff base derived from vanillin with various amine and formation of Co(II), Cu(II) and Ni(II) metal complexes with derived Schiff base.	World Journal of Pharmaceutical Research	2277– 7105	2017	World Journal of Pharmaceutical Research
36	Study of solvent structure properties modifications by sugars in aqueous NaBr at Various temperatures" research journey	International multidisciplinary E-research journal	234-87143	2017	International multidisciplinary E- research journal
37	Methanol Gas sensing properties of Pervoskite LaFeO ₃ Nanoparticles doped by Transition Metals	Journal of chemical and pharmaceutical research	975-7384	2017	Journal of chemical and pharmaceutical research

	Cr ³⁺ and Co ²⁺				
38	"A study of partial molar volumes of R ₄ NCl in 40 mass % aqueous Methanol at various temperatures".	International journal <i>Acta Cincia Indica</i> (UGC No.605) Vol XXXIII, C No.2,165	0253-7338.	2007	
39	"Density and Viscosity studies of glucose solutions in water and in aqueous NaCl, NaBr, KCl and KBr solutions at 298.15, 303.15, 308.15 and 313.15K"	J. Indian Chem. Soc (UGC No.230). Vol.85, 1089-1092	0019-4522.	(November 2008).	
40	Volumetric and viscometric studies of sugar solutions in aqueous NaCl and NaBr at 298.15K.	International journal <i>Acta Cincia Indica</i> (UGC No.605) Vol XXXIV C, No.3,513	0253-7338	2008	
41	Densities and Partial Molar volumes of Fructose and Sucrose in water and 0.05M (NaCl, NaBr, KCl and KBr) aqueous solutions at 303.15K.	Physical chemistry an Indian journal of Trade science Inc (UGC No.48319). Vol. 4, 2 (2009) (I.F. 0.835)	0974 - 7524.	2009	

42	Photoconductivity study as a function of thickness and Composition of Zn-Te thin films for different illuminated conditions at room temperature.	<i>OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS</i> (UGC No.36542) Vol. 4, ISS.3, March 2010, p. 291-294.	1040-5488	2010	
43	“Studies on toxicity of endosulfan on edible fresh water fish species <i>Nemacheilus botia</i> ”	International journal <i>Environmental Conservation Journal</i> (UGC No.11069).12 (1&2)1-4, 2011. (I.F. 0.58)	1040-5488	2011	
44	Densities and Partial Molar Volumes of Fructose in Water and 0.05 M (NaCl, and KCl) Aqueous Solutions at 313.15 K.	Presented at ICCT - 2010 International conference Tsukaba science city,Japan.		2010	
45	“Effects of an insecticide endosulfan on protein content of edible fresh water fish <i>Nemacheilus botia</i> ”	International conference held at Department of Zoology & Environmental science,gurukula kangri Vishvavidyalaya			

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46	"Study of Structure-Making/Breaking Properties of Glucose, Fructose, Sucrose and Maltose in Aqueous KCl at various Temperatures".	International journal of <i>chemical science transaction</i> (UGC No.47152). 2(2) 2013, 485-490	2278-3458		
47	"Density and Viscosity Studies of Fructose Solutions in Water and in aqueous NaCl NaBr, KCl and KBr solutions"	Article CS282043042 vol-1, issue-4, 2013 pages 436-438. In <i>chemical science review and letters an international journal</i> (UGC No.45864). (Indexed).	2278-6783)	2013	
48	" physico-chemical study of aqueous solutions of fructose in the absence and presence of 0.5 m nacl and 0.5m kcl at 298.15 K"	Volume 3, Issue 5 (May 2013) in <i>International journal of research in engineering and applied sciences</i> (UGC No.48285).	2249-3905	2013	
49	Volumetric and viscometric studies of Glucose, Fructose, Sucrose and Maltose in Aqueous KCl,	<i>Indian stream research journal</i> Volume 3, Issue- 2, 485-490	2230-7850	2013	

50	Study of structure modifying properties of sugars in aqueous KBr at 298.15, 303.15, 308.15 and 313.15 K”	ELECTRONIC JOURNAL OF CHEMISTRY an International Peer reviewed Journal, Volume 01/Issue 2/ NOV.2013.PP58-63	1984-6428	2013	
51	“Effects of an insecticide endosulfan on protein content of edible fresh water fish <i>Nemacheilus botia</i> ”	Chapter 35, Environmental Biotechnolodgy,2013. Pages 289-296.	ISBN No.9788176222730 .	2013	
52	“Density and viscosity studies of Sucrose solutions in water and in aqueous NaCl, NaBr, KCl and KBr solutions at various temperatures.”	International conference on global opportunities for latest development in chemistry and technology- 2014(GOLD-CT-2014), N.M.U Jalgaon.		2014	
53	“Study of structure modifying properties	national conference on “Advanced Analytical		2013	

	of glucose, fructose, sucrose and Maltose in aqueous KBr at various temperatures".	Techniques in chemistry and pharmacy" at M.S.G. College Malegaon camp.			
54	"solvent structure modifying properties of glucose, fructose, sucrose and Maltose in aqueous NaCl at various temperatures".	Multilingual international referred journal Information and research trends"	2320- 2327	2014	
55	"Analysis of Inorganic Constituents from Cosmetic Product"	Multilingual international referred journal Information and research trends	2320- 2327	2014	
56	" Study of structure modifying properties of Sucrose and Maltose solutions in water and in aqueous NaBr and KBr solutions at various temperatures"	World journal pharmacy and pharmaceutical sciences(UGC No.48793) Vol.3, Issue7, pp1402-1408.	2278-4357	2014	
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58	“Study of molar refraction and Polarisability constant of aqueous Solution of KCl and KbrO ₃ at temperature 298.15 K”.	International Research journal, special issue on “Advance analytical techniques” vol:1	2350-0905	2014	
59	“Structure modifying properties of solvent by sugars in aqueous NaBr at 298.15,303.15,308.15 and 313.15K”	International journal of pharmaceutical research and development(UGC list no.23327)(Ijprd) vol-6	0974- 9446	2015	
60	“Analysis of protein in milk products with the kjeldahl nitrogen analysis”	International journal of pharmaceutical research and development (UGC list no.23327)	0974- 9446	2015	

61	"Identification and estimation of Iron from black tea sample by simple laboratory Techniques"	International journal of pharmaceutical research and development(UGC list no.23327)	0974- 9446	2015	
62	"Estimation of calcium from fresh milk samples by volumetric method"	International journal of pharmaceutical research and development (UGC list no.23327)	0974- 9446	2015	
63	"A STATISTICAL STUDY OF INSECTICIDAL POISONING IN NASIK REGION COMPARATIVE STUDIES".	World Journal of Pharmaceutical Research (UGC list no.47332), Volume 4, Issue 2, PP946-951.	2277– 7105		
64	"Development of Method for Determination of Pesticide Residues from Chilly and Ladyfinger by Using HPLC and GC-MS"	An International Journal of Chemical and Physical Science (UGC list no 48283) Vol. 4, NCSC.	2319-6602	2015	
65	"Synthesis, Characterization&	An International Journal of Chemical	2319-6602	2015	

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66	"Identification, Isolation and Characterization of Bacterial Extracellular Alkaline Pectinases."	Scholars World - International Refereed Multidisciplinary Journal Of Contemporary Research, vol-3 February	2319-5789	2015	
67	"Impact of Folicure on Protein alteration in fresh water snail <i>Lymnea auricularia</i> ".	Scholars World - International Refereed Multidisciplinary Journal Of Contemporary Research, vol-3	2319-5789	2015	
68	"Estimation of metals like Zn, Ni, Cd, and Fe from "tobacco" (1) and "panmasala" (2) by spectral analysis: a review	International Journal of Current Research" Dr. Kapadnis, Mr. Koli P.B.	0975-833	2015	

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70	Identification and Estimation of Manganese from black tea samples by spectrophotometric technique.	National conference on "Innovative research techniques in chemical and Physical sciences-IRTCPS-2015, Vol-5		2015	
71	Magnesium Estimation from fresh milk samples by a simple volumetric Method.	"Innovative research techniques in chemical and Physical sciences-IRTCPS-2015, Vol-5,		2015	
72	Density and viscosity study of sucrose and maltose in aqueous KBr 308.15 and 313.15K	National conference on "Innovative research techniques in chemical and Physical sciences-IRTCPS-2015, Vol-5,		2015	
73	Heavy metals analysis Study by EDS from Ayurvedic antacids drugs .	International Journal of Research in Engineering and Applied Sciences	2249-3905	2015	
74	"Structure-modifying properties of glucose and fructose in	World journal of pharmacy and pharmaceutical sciences,	2278-4357,	2015	

	aqueous KBr and NaCl at 298.15 and 313.15K a study”	(UGC No.48793) Dr.Kapadnis Volume 4			
75	“Analysis of Iron and Copper from Wine samples”	World journal of pharmacy and pharmaceutical sciences, (UGC No.48793), Dr. Kapadnis, Volume 4, Issue 10.	2278-4357	2015	
76	“Detection and Determination of Fe and Mn from tea samples using different techniques”	World journal of pharmacy and pharmaceutical sciences(UGC No.48793), Dr. Kapadnis, Volume 4, Issue 11, pp-1457-1463	2278- 4357	2015	
77	“Identification and Estimation of Cobalt from Arogyawardhini Vati samples by spectrophotometric technique”	World journal of pharmacy and pharmaceutical sciences(UGC No.48793), Dr. Kapadnis , Jadhav K.K. and Dr. Patil A.P.,Volume 4, Issue 11, pp-1493-1498	2278-4357	2015	
78	“Magnesium and Calcium Estimation from fresh milk samples in Nashik region by a simple	World journal of pharmacy and pharmaceutical sciences(UGC No.48793), Dr.	2278-4357	2015	

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79	“DETERMINATION OF RESIDUAL PESTICIDES BY USING GC TECHNIQUE FROM GUAVA AND POMEGRANATE”.	World journal of pharmacy and pharmaceutical sciences (UGC No.48793), Dr. Kapadnis , Mr. R. K. Sonawane and Dr. Patil A.P.Volume 4.	2278-4357	2015	
80	“ Four synthesis methods of Schiff base ligands and preparation of their metal complex with IR and antimicrobial investigation”	World journal of Pharmacy and pharmaceutical sciences(UGC No.48793), Dr. Kapadnis, Jadhav Sheetal P, Dr.Patil A.P. and Dr. Hiray A.P Volume 5, Issue 2, pp-1055-1063, Jan. 2016.	ISSN 2278-4357	2016	
81	“ Analysis of Fe, Mn, Cu, Zn and Mg from Arogyavardhini vati by A.A.S. technique”	International Journal of Research in Engineering and Applied Sciences	2249-3905	2016	
82	“Comparison between four methods of synthesis of Schiff base ligands and preparation of Schiff	International conference (RTCES - 2016) held at malpani college sangamner		2016	

	base metal complex with spectroscopic investigations and antimicrobial activity.”				
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84	“Methods of Synthesis a Comparative study for Schiff base ligands and their Metal complex”	International conference on Emerging trends and issues in research and development (ETIRED-2016), research journey(UGC No.40705),, international multidisciplinary E- research journal ,global	2348 -7143	2016	

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85	“Residual Pesticide Determination from Guava and Pomegranate by using HPCL Technique”	International conference on Emerging trends and issues in Research and development (ETIRED-2016), research journey(UGC No.40705),international multidisciplinary E-research journal, global impact factor 0.676.	234-87143	2016	
86	“Study of Pesticide Residue from two common fruits of Nashik area using HPLC.	International Journal of Research in Engineering and Applied Sciences, Dr. Kapadnis (UGC No.48285) (ISSN 2249-3905) Vol.6,	2249-3905	2016	
87	“Green synthesis and characterization of SnO ₂ and ZnO nanoparticles Study their electrical	Pelagia Research Library, Der Chemica Sinica	0976-8505		

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88	Multiple pesticide residue determination from Bean and Brinjal using HPLC.	International Journal of Research in Engineering and Applied Sciences(UGC No.48285)	2249-3905	2016	
89	“synthesis of Nano composites zinc and cobalt ferrite-polyaniline by Polymerization method, their characterization and bio assay.”	World Journal of Pharmaceutical Research, (UGC list no.47332), Volume 5, Issue 9, PP9 556-563.	2277– 7105		
90	“Effect of folicure on lipid alteration in fresh water snail Lymnaea auricularia”	World Journal of Pharmaceutical Research, (UGC list no.47332), Volume 5	2277– 7105		
91	“Antibacterial activity of ginger (zingiber officinale) and honey on escherichia coli.”	World Journal of Pharmaceutical Research, (UGC list no.47332), Volume 5	2277– 7105		
92	“Synthesis, Characterization and	” International Journal of Research in Engineering and Applied Sciences	2249-3905	2016	

	Gas Sensing properties Co ₃ O ₄ and NiO Nanoparticles by thick films fabrication”				
93	“Study of solvent structure properties modifications by sugars in aqueous NaBr at Various temperatures	international multidisciplinary E-research journal, global impact factor 0.676,	234-87143	2017	
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