



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
NAAC Accredited



Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334

Email: principal.kscd@gmail.com Web: www.kscd.ac.in

Number of research article published from the faculties of Karnatak Science College during 2018 to 2022

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Synthesis and preliminary evaluation of benzofuran-oxadiazole conjugates as potential antitubercular agents	O Kotresh	Asian J Chem	2019	13	2	Indian Forester
Effect of Amino Anilines on the fluorescence of Coumarin Derivatives	Nirupama J M	Journal of Luminescence	2018	3	4	Elsevier International Publishing
Click Chemistry Inspired Design, Synthesis and Molecular Docking Studies of Coumarin, Quinolinone Linked 1, 2, 3-Triazoles as Promising	Rajesh K alkhambkar	Chemistry Select	2018	16	14	European Chemical Society

Anti-Microbial Agents						
Influence of Syzygium cumini leaves extract on morphological, thermal, mechanical, and antimicrobial properties of PVA and PVA/chitosan blend films	Masti S. P.	Journal of Applied Polymer Science	2018	13	27	Wiley
Multistage thermal decomposition in films of cadmium chloride-doped PVA-PVP polymeric blend	Blaise Lobo	Journal of Thermal Analysis and Calorimetry	2018	10	11	Springer International Publishing
Photophysical and computational studies on optoelectronically active thiophene substituted 1,3,4-oxadiazole derivatives	Malimath G. H.	Journal of Photochemistry and Photobiology A: Chemistry	2018	9	8	Elsevier International Publishing
Electrochemical Behavior of an Anti-Viral Drug Valacyclovir at Carbon Paste Electrode and Its	Tuwar S. M.	Russian Journal of Electrochemistry	2018	13	4	Pleiades Publishing

Analytical Applicatio n						
Growth of the hepatitis literature over the period 1976-2015: What can the relative priority index teach us?	Patil C. G.	Scientom etrics	2018	10	15	Springer Internatio nal Publishing

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Positron annihilation studies on free volume changes accompanying the incorporation of lead nitrate in PVA- PVP polymeric blend	Dr. Blaise Lobo	Radiation Physics and Chemistry	2019	10	Karnatak Science College, Dharwad	4
Effect of amino anilines on the fluorescence of coumarin derivative	Dr. (Smt). Nirupama J. M.	Journal of Luminescence	2019	5	Karnatak Science College, Dharwad	3
1-Aryltriazines in the Suzuki, Heck, and Sonogashira Reactions in Imidazolium-ILs, with [BMIM(SO ₃ H)] [OTf] or Sc(OTf) ₃ as Promoter, and Pd(OAc) ₂ or NiCl ₂ ·glyme as Catalyst	Dr. Raj Kalkambkar	European Journal of Organic Chemistry	2019	16	Karnatak Science College, Dharwad	7
Facile access to libraries of diversely substituted 2-aryl-benzoxazole	Dr. Raj Kalkambkar	Tetrahedron Letters	2019	16	Karnatak Science College, Dharwad	10

s/benzothiazoles from readily accessible aldimines via cyclization/cross coupling in imidazolium-ils with ...						
Ethyl vanillin incorporated chitosan /poly (vinyl alcohol) active films for food packaging applications	Dr. (Smt). Saraswati P. Masti	Carbohydrate polymers	2020	13	Karnatak Science College, Dharwad	25
Physico-chemical and functional properties of rutin induced chitosan/poly (vinyl alcohol) bioactive films for food packaging applications	Dr. (Smt). Saraswati P. Masti	Food Hydrocolloids	2020	13	Karnatak Science College, Dharwad	22
Physico-chemical and functional properties of rutin induced chitosan/poly (vinyl alcohol) bioactive films for food packaging applications	Dr. (Smt). Saraswati P. Masti	Green Materials	2019	13	Karnatak Science College, Dharwad	18

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Preparation and humidity sensing behaviour of cadmium – zinc ferrite nanocomposite	Dr. Blaise Lobo	Physics	Journal of Physics: Conference Series	2021		Online: 1742-659 Print : 1742-6588
Microstructural features, spectroscopic study and thermal analysis of potassium permanganate filled PVA-PVP blend films	Dr. Blaise Lobo	Physics	Journal of Physics – Condensed Matter	2021		Online: 1361-648X Print: 0953-8984
Linear and non-linear optical parameters of polycarbonate reinforced inorganic bismuth nitrate pentahydrate	Dr. Blaise Lobo	Physics	Optical Materials	2021	0925-347	WWW.elsevier.com/locate/optimat
AC and DC electrical studies on cobalt chloride doped PVA-PVP films	Dr. Blaise Lobo	Physics	AIP Conference Proceedings	2021	1551-7616	https://doi.org/10.1063/5.0009039
Preparation and experimental investigations of the spectroscopic, thermal and microstructural properties of polycarbonate filled with bismuth oxychloride	Dr. Blaise Lobo	Physics	AIP Conference Proceedings	2021	1551-7616	https://doi.org/10.1063/5.0009038
Rapid mass propagation of endangered valuable medicinal plant Salacia chinensis	Dr. C. G. Patil	Botany	Sri Lankan Journal of Biology	2021		DOI- http://doi.org/10.4038/sl.jb.v6i2.80 http://orcid.org/0000-0003-0110-5819

L. and GCMS/LC-MS analysis of active compounds produced in callus and leaf extract						
Diversity of Pteridophytes in Nipani Taluk, Karnataka, India	Dr. Doris Singh	Botany	International Journal of Plant and Environment,	2021	ISSN: 2454-1117 (Print), 2455-202X (Online)	DOI: 10.18811/ijpen.v7i01.12
Synthesis, spectroscopic properties and DFT correlative studies of 3,3'-carbonyl biscoumarin derivatives	Dr. G. H. Malimath	Physics	Journal of Molecular Structure	2021		WWW.elsevier.com/locate/moistr
A highly Selective and sensitive tiophene substituted 1,3,4-oxadiazole based turn-off fluorescence chemosensor for Fe ²⁺ and turn on fluorescence turn-on chemosensors for Ni ²⁺ and Cu ²⁺ detection	Dr. G. H. Malimath	Physics	Material Chemistry and Physics	2021		WWW.elsevier.com/locate/matchemphys
Electronic Excitation Energy transfer studies in binary mixtures of novel optoelectronically active 1,3,4-oxadiazoles and coumarin derivatives	Dr. G. H. Malimath	Physics	Chemical Physics Letters	2021		WWW.elsevier.com/locate/cplett

Synthesis, Characterization, photo physical and DFT studies of bicoumarin and 3-(3-benzofuranyl) coumarin derivatives	Dr. G. H. Malimath	Physics	Chemical Data Collections	2021		WWW.elsevier.com/locate/cdc
A comprehensive studies on photophysical and electrochemical properties of Novel D- π -A thiophene substituted 1,3,4-oxadiazole derivatives for optoelectronic applications: A computational and experimental approach	Dr. G. H. Malimath	Physics	Chemical Physics	2021		WWW.elsevier.com/locate/chemphys
Photophysical studies on D- π -A Imidazole Derivatives for Organic Dye Sensitized Solar Cell Application	Dr. G. H. Malimath	Physics	Asian Journal of Chemistry	2021		http://doi.org/10.41233/ajchem.2020.22852
Synthesis and Photophysical Properties of Multi-Functional BisimidazolylPhenol Zinc (II) Complex: Application in OLED ,Anti-Counterfeiting and Latent Finger Print Detection	Dr. G. H. Malimath	Physics	Chemistry Select	2021		http://doi.org/10.1002/slet.202100353
Design of new Imidazole-derivative dye having donor -II-acceptor moieties	Dr. G. H. Malimath	Physics	Optik	2021		http://doi.org/10.1016/j.jleo.2019.164074

for highly efficient organic-dye-sensitized solar cells						
Study on water quality suitability for irrigation in western part of Sandur schist belt, Bellary District, Karnataka, India	Dr. J. T. Gudagur	Geology	Journal of Indian University	2021	1001-2400	
Study of drainage Characteristics and its implications for Watershed management- A case study of Dharma River basin, Karnataka State, India	Dr. J. T. Gudagur	Geology	International Journal of Ecology and Environmental Sciences	2021	2320-5199	
<i>Senna italica</i> Mill. Subsp. <i>italica</i> (Fabaceae; Caesalpinioideae): An Overlooked species from Karnataka State, India	Dr. K. Kotresha	Botany	India Forester	2020	ISSN: 0019-4816	
Alien Flora of Ballari District, Karnataka, India	Dr. K. Kotresha	Botany	International Journal of Trend in Scientific Research and Development (IJTSRD)	2020	ISSN: 2456 – 6470	http://creativecommons.org/licenses/by/4.0
Medicinal Plants of Yadahalli Chinkara Wildlife Sanctuary,	Dr. K. Kotresha	Botany	GORTERIA JOURNAL	2021	ISSN: 0017-2294	
Wild Edible Fruits and their Medicinal Uses in Ballari district of Karnataka.	Dr. K. Kotresha	Botany	PENSEE	2021	ISSN: 0031-4773	
Trees of Yadahalli Chinkara Wildlife Sanctuary, Bagalkot,	Dr. K. Kotresha	Botany	PLANT SCIENCE TODAY, 2021	2021	ISSN: 2348-1900 (online)	https://doi.org/10.14719/pst.2021.8.4.1278

Karnataka,						
WILD EDIBLE FRUITS AND VEGETABLES OF YADAHALLI CHINKARA WILDLIFE SANCTUARY, BAGALKOT, KARNATAKA, INDIA	Dr. K. Kotresha	Botany	Journal of Global Biosciences	2021	ISSN 2320-1355	www.mutagens.co.in/jgb/vol.10/09/100904.pdf
Recent updates on the role of herbal medicine for Alzheimer's disease (Dementia)	Dr. K. Kolkar	Botany	International Journal of Current Research in Biosciences and Plant Biology	2021	ISSN: 2349-8080	www.ijcrbp.com
Role of Botanical essential oils as a therapy for controlling coronavirus (SARS-CoV-2) disease (Covid-19)	Dr. K. Kolkar	Botany	International Journal of Research and Scientific Innovation	2021	ISSN: 2321-2705	http://dx.doi.org/10.51244/URSI2021.8407
Melatonin: One molecule one-medicine for many disease, coronavirus (SARS-CoV-2) disease (Covid-19): Function in plants	Dr. K. Kolkar	Botany	International Journal of Research and Scientific Innovation	2021	ISSN: 2321-2705	www.rsisinternational.org
Ervatamia Coronaria Seed Oil for Biodiesel Production: An Investigative Approach Via Fatty Acid Chemistry	Dr. Kariyappa S. Katagi	Chemistry	International Research Journal of Engineering and Technology (IRJET)	2020	E-ISSN: 2395-0056	
Understanding the binding interaction between phenyl boronic acid P1 and sugars: determination of association and	Dr. Kariyappa S. Katagi	Chemistry	Luminescence A Journal of Biological and Chemical Luminescence Wiley	2020	1522-7243	

dissociation constants using S-V plots, steady-state spectroscopic methods and molecular docking						
Liquid fuel synthesis from Leonotis nepetifolia seeds through in-situ transesterification method	Dr. Kariyappa S. Katagi	Chemistry	Energy Sources, Part A: Recovery, Utilization, And Environmental Effects Taylor & Francis	2020	1556-7036	
Design, Synthesis, Molecular Docking, Anti-proliferative and Anti-TB studies of 2H-chromen-8-azaspiro[4.5]decane-7,9-dione conjugates	Dr. Kariyappa S. Katagi	Chemistry	Journal of Molecular Structure	2020	0022-2860	
Quantum chemical computations, fluorescence spectral features and molecular docking of two biologically active heterocyclic class of compounds	Dr. Kariyappa S. Katagi	Chemistry	Journal of Photochemistry & Photobiology, A: Chemistry	2020	1010-6030	
Seasonal variations of Zooplankton population in Karadigudda pond of Dharwad Taluk, Karnataka, India	Dr. (Smt.) Nayak, M.S.	Zoology	Strad Research	2021	0039-2049	http://stradresearch.org/
Role of Substituent Position in Coumarin Derivatives during their Interaction with	Dr. (Smt.) Nirupama M. Jagadeeshwar,	Physics	Journal of Fluorescence	2021		Impact Factor : 2.1

TiO ₂ Nano Particles						
STUDIES ON TOXICOLOGICAL ENDPOINTS OF FENOXAPROP-P-ETHYL ON BEHAVIORAL CHANGES IN FRESHWATER EXOTIC CARP <i>CYPRINUS CARPIO</i> (LINNAEUS)	Dr. (Smt.) Sankal R. D.	Zoology	Journal of Advanced Scientific Research	2020	0976-9595	UGC care list
Synthesis and Molecular Modeling Studies of Coumarin and 1-Aza-coumarin –Linked Miconazole Analogues and Their Antimicrobial Properties.	Dr. Rajesh G. Kalkhambkar	Chemistry	Chemistry-select	2020	2365-6549	
Facile one-pot synthetic access to libraries of diversely substituted 3-aryl(Alkyl)-coumarins using ionic liquid (IL) or conventional base/solvent, and an IL-mediated approach to novel coumarin-bearing diaryl-ethynes	Dr. Rajesh G. Kalkhambkar	Chemistry	<i>Tetrahedron Letters</i>	2020	0040-4039	
Ionic liquid-mediated benzoyl transfer-coupling in the Suzuki and Sonogashira reactions and aryl transfer-coupling by	Dr. Rajesh G. Kalkhambkar	Chemistry	<i>Tetrahedron Letters</i>	2020	0040-4039	

decarbonylative Heck reaction, using N-Benzoyl-saccharin (NBSac) as reagent						
Synthesis, molecular modelling studies and antimicrobial activity of Coumarin and 1-Azacoumarin linked 1,2,3-Triazole	Dr. Rajesh G. Kalkhambkar	Chemistry	Chemical data collections	2020	2405-8300	
Ionic liquid catalyzed Ritter reaction/Pd-catalyzed directed Ortho-arylation; facile access to diverse libraries of biaryl-amides from Aryl-nitriles	Dr. Rajesh G. Kalkhambkar	Chemistry	<i>Tetrahedron Letters</i>	2020	0040-4039	
Palladium Catalyzed Electrophilic C2-Arylation of Azoles by Aryltriazenes in Ionic liquid Promoted by Acidic Ionic Liquid	Dr. Rajesh G. Kalkhambkar	Chemistry	Chemistry-select	2020	2365-6549	
Copper-catalyzed coupling of aryl-ethynes and aryltriazenes to access libraries of 1,2-diketones and their efficacy in synthesis of triaryloxazoles, imidazoles and diaryl-diazepines	Dr. Rajesh G. Kalkhambkar	Chemistry	Chemistry-select	2021	2365-6549	

Ultrasonic Assisted Facile Synthesis of <i>N</i> -Arylamides Using Nitriles and 1-Aryltriazenes Precursors Promoted by Brønsted Acidic Ionic Liquid under Metal-Free Conditions	Dr. Rajesh G. Kalkhambkar	Chemistry	Chemistry-select	2021	2365-6549	
Facile Synthesis of Libraries of Functionalized Cyclopropanes and Oxiranes Using Ionic Liquids - A New Approach to the Classical Corey-Chaykovsky Reaction	Dr. Rajesh G. Kalkhambkar	Chemistry	<i>Tetrahedron Letters</i>	2021	0040-4039	
“Influence of furfuraldehyde derivatives as corrosion inhibition of mild steel in hydrochloric acid solution”	Dr. S. K. Rajappa	Chemistry	J. Mater. Environ. Sci., 2020 (11) 1626-1641	2020	2028-2508	
“Investigation of Dolichandra unguis-cati leaves extract as a corrosion inhibitor for mild steel in acid medium”	Dr. S. K. Rajappa	Chemistry	Current Research in Green and Sustainable Chemistry 4 (2021) 100113	2021	2666-0865	
“Corrosion inhibition effect of <i>Cycas revoluta</i> leaves extract on corrosion of soft-cast steel in hydrochloric acid medium”	Dr. S. K. Rajappa	Chemistry	<i>Electrochem Sci Adv.</i> 2021, e2100059	2021	2698-5977	
“Corrosion protection of soft-cast steel in 1M Hclwith	Dr. S. K. Rajappa	Chemistry	<i>Electrochem Sci Adv.</i> 2021, e2100080	2021	2698-5977	

Araucaria heterophylla leaves extract”						
Dielectric relaxation and ion transport study of NaCMC:NaNO ₃ solid polymer electrolyte films	Dr. (Smt.) Saraswati Masti	Chemistry	Ionics	2021		http://doi.org/10.1007/s11581-021-04023-y
UV screening, swelling and in-vitro cytotoxicity study of novel chitosan/poly (1-vinylpyrrolidone-co-vinyl acetate) blend films	Dr. (Smt.) Saraswati Masti	Chemistry	Chemical Data Collections	2021	2405-8300	www.elsevier.com/locate/cdc
Physiochemical and Antibacterial Evaluation of Poly (Vinyl Alcohol)/Guar Gum/Silver Nanocomposite Films for food packing Applications	Dr. (Smt.) Saraswati Masti	Chemistry	Journal of Polymer and the Environment	2021		http://doi.org/10.1007/s10924-021-02123-4
ZnONPs Doped PVA/Spathodea campanulata Thin Films for food packing	Dr. (Smt.) Saraswati Masti	Chemistry	Journal of Polymer and the Environment	2021		http://doi.org/10.1007/s10924-021-02070-0
Miscibility and Thermal Study of 4-Hydroxycoumarin Doped Chitosan Films	Dr. (Smt.) Saraswati Masti	Chemistry	American Journal of Pharma Tech Research	2021	ISSN: 2249-3387	http://aiptr.com
Hydroxy Citric acid cross-linked chitosan/guar gum/poly (vinyl alcohol) active films for food packing applications	Dr. (Smt.) Saraswati Masti	Chemistry	International Journal of Biological Macromolecules	2021		http://www.elsevier.com/locate/ijbiomac

Physico-Chemical and functional properties of rutine induced chitosan/poly(vin y alcohol) bioactive films for food packing application	Dr. (Smt.) Saraswati Masti	Chemistry	Food Hydrocollides	2020		http://www.elsevier.com/locate/foodhyd
Physiochemical and Biological Evaluation of Different Extracts of Edible Solanum nigrum L. Leaves Incorporated Chitosan/Poly (Vinyl Alcohol) Composite Films	Dr. (Smt.) Saraswati Masti	Chemistry	Journal of Polymer and the Environment	2020		http://doi.org/10.1007/s10924-020-01832-6
Preparation, Characterization and antimicrobial activity of betel-leaf-extract-doped polysaccharide blend films	Dr. (Smt.) Saraswati Masti	Chemistry	Green Materials	2020		http://doi.org/10-1680/grma.20.00014
Mechanical, optical and antioxidant properties of 7-Hydroxy-4-methyl coumarin doped polyvinyl alcohol/oxidized maize starch blend films	Dr. (Smt.) Saraswati Masti	Chemistry	SN Applied Sciences	2020		http://doi.org/10.1007/s42452-020-03399-2

Structural, AC and DC electrical transport properties of nano titania - polyacrylamide composite films	Dr. Blaise Lobo	Physics	Indian Journal of Pure and Applied Physics	2022	0975-1041	https://doi.org/10.56042/ijpap.v60i3.55795
Experimental investigations on nano titania - polyacrylamide composite films	Dr. Blaise Lobo	Physics	Journal of Scientific Research of the Banaras Hindu University	2022	0447-9483	https://doi.org/10.37398/JSR.2022.660130
Optical analysis of polycarbonate - lead nitrate composite films for UV-A shielding applications	Dr. Blaise Lobo	Physics	Materials Today: Proceedings	2022	2214-7853	http://doi.org/10.1016/j.matpr.2021.12.261
Experimental investigations on the beta attenuation properties of lead monoxide - polycarbonate	Dr. Blaise Lobo	Physics	Materials Today: Proceedings	2022	2214-7853	http://doi.org/10.1016/j.matpr.2021.09.320
Thermal degradation kinetics of ethyl vanillin crosslinked chitosan/poly (vinyl alcohol)blend films for food packaging	Dr. Blaise Lobo	Physics	Chemical Data Collections	2021	2405-8300	https://doi.org/10.1016/j.cdc.2021.100739
Experimental investigations on nano-titania incorporated polyvinyl alcohol - polyvinyl pyrrolidone composite films	Dr. Blaise Lobo	Physics	Polymers: Technology and Materials	2021	2574-0881	https://doi.org/10.1080/25740881.2021.1930045
Humidity sensing behaviour of rubidium - doped magnesium ferrite for sensor applications	Dr. G. H. Malimath	Physics	Journal of Materials Science: Materials in Electronics	2022	0957-4522	https://doi.org/10.1007/s10854-022-08131-x
Synthesis, spectroscopic properties, and DFT correlative studies of 3, 3'-carbonyl biscoumarin derivatives	Dr. G. H. Malimath	Physics	Journal of Molecular Structure	2021	0222-2860	https://doi.org/10.1016/j.molstruc.2021.130781
Interactions of environmental pollutant aromatic amines with	Dr. G. H. Malimath	Physics	Journal of Fluorescence	2022	1053-0509	https://doi.org/10.1007/s10895-022-02946-x

photo excited states of thiophene substituted 1,3,4 - oxadiazole derivative: Fluorescence quenching studies							
Studies on the characterisation of thiophene substituted 1,3,4 - oxadiazole derivative for highly selective and sensitive detection of picric acid	Dr. G. H. Malimath	Physics	Journal of Molecular Structure	2022	0222-2860	http://doi.org/10.1016/j.molstruc.2022.133274	
Effect of expired doxofylline drug on corrosion protection of soft steel in 1M HCl : Electrochemical , quantum chemical and synergistic effect studies	Dr. G. H. Malimath	Physics	Journal of the Indian Chemical Society	2022	0019-4522	https://doi.org/10.1016/j.jics.2022.100639	
Saussurea obvallatta leaves extract as a potential eco-friendly corrosion inhibitor for mild steel in 1M HCl	Dr. G. H. Malimath	Physics	Inorganic Chemistry Communications	2022	1387-7003	https://doi.org/10.1016/j.inoch.2022.109799	
Influence of substituent position in aromatic diamines on coumarin derivative	Dr. Nirupama J. M	Physics	Journal of Photochemistry and Photobiology A: Chemistry	2022	1010-6030	https://doi.org/10.1016/j.photochem.2021.113560	
Dopamine - assisted coral films of cobalt as bifunctional electrodes for overall water splitting	Jyothi S Doddamani	Physics	Energy Technology	2021	2194-4296	https://doi.org/10.1002/ente.202100264	
Sequential transformation of copper to porous copper (I) sulfide as superior electrode for supercapacitor	Jyothi S Doddamani	Physics	Journal of Electroanalytical Chemistry	2022	0022-0728	https://doi.org/10.1016/j.jelechem.2022.116587	
Melamine assisted large - scale and rapid synthesis of porous copper oxide nanostructure	Jyothi S Doddamani	Physics	Emergent Materials	2021	2522-574X	https://doi.org/10.1007/s42247-021-00250-1	
Interactions of Environmental Pollutant Aromatic Amines With	Dr. G. H. Malimath	Physics	Journal of Fluorescence	2022/5/11	1543–1556	https://link.springer.com/article/10.1007/s10895-022-02946-x	

Photo Excited States of Thiophene Substituted 1, 3, 4-Oxadiazole Derivative: Fluorescence Quenching Studies			nce				
Studies on the Characterisation of Thiophene Substituted 1, 3, 4-oxadiazole Derivative for the Highly Selective and Sensitive Detection of Picric Acid	Dr. G. H. Malimath	Physics	Journal of Molecular Structure	2022/5/14	0022-2860	https://www.sciencedirect.com/science/article/abs/pii/S0022286022009309	
Humidity sensing behaviour of Rubidium-doped Magnesium ferrite for sensor applications	Dr. G. H. Malimath	Physics	Journal of Materials Science: Materials in Electronics	2022/5	11591-11600	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=hxreW	
Saussureaobvallatta leaves extract as a potential eco-friendly corrosion inhibitor for mild steel in 1M HCl	Dr. G. H. Malimath	Physics	Inorganic Chemistry Communications	2022/7/27	1387-7003	https://www.sciencedirect.com/science/article/abs/pii/S1387700322006074	
Effect of expired doxofylline drug on corrosion protection of soft steel in 1 M HCl: Electrochemical, quantum chemical and synergistic effect studies	Dr. G. H. Malimath	Physics	Journal of the Indian Chemical Society	2022/7/13	0019-4522	https://www.google.com/search?q=journal+of+the+indian+chemical+society+issn&rlz=1C1CHBF_enIN862IN862&oq=Journal+of+the+Indian+Chemical+Society+ISS&aqs=chrome.0.0i512j69i57.21791j0j7&sourceid=chrome&ie=UTF-8	
A comprehensive studies on photophysical and electrochemical properties of novel D- π -A thiophene substituted 1,3,4-oxadiazole derivatives for optoelectronic applications: A ...	Dr. G. H. Malimath	Physics	Chemical Physics	2021/1/10	0301-0104.	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=hxreW6AAAAAJ&pagesize=80&citation_for_view=hxreW6AAAAAJ:aqlVkm33-oC	
Synthesis and Photophysical Properties of Multi-Functional Bisimidazolyl Phenol Zinc (II) Complex: Application in OLED, Anti-Counterfeiting and	Dr. G. H. Malimath	Physics	ChemistrySelect	2021/3/26	2365-6549	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=hxreW6AAAAAJ&pagesize=80&citation_for_view=hxreW6AAAAAJ:M3ejUd6NZC8C	

Latent Finger Print Detection						
Synthesis, spectroscopic properties, and DFT correlative studies of 3, 3'-carbonyl biscoumarin derivatives	Dr. G. H. Malimath	Physics	Journal of Molecular Structure	2021/11/5	0022-2860	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=hxreW6AAAAAJ&pagesize=80&citation_for_view=hxreW6AAAAAJ:qxL8FJ1GzNcC
A highly selective and sensitive thiophene substituted 1, 3, 4-oxadiazole based turn-off fluorescence chemosensor for Fe²⁺ and turn on fluorescence chemosensor for Ni²⁺ and ...	Dr. G. H. Malimath	Physics	Materials Chemistry and Physics	2021/2/15	0254-0584	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=hxreW6AAAAAJ&pagesize=80&citation_for_view=hxreW6AAAAAJ:4TOpqqG69KYC
Electronic excitation energy transfer studies in binary mixtures of novel optoelectronically active 1, 3, 4-oxadiazoles and coumarin derivatives Electronic excitation energy transfer studies in binary mixtures of novel optoelectronically active 1, 3, 4-oxadiazoles and coumarin derivatives	Dr. G. H. Malimath	Physics	Chemical Physics Letters	2020/6/16	0009-2614.	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=hxreW6AAAAAJ&pagesize=80&citation_for_view=hxreW6AAAAAJ:KIAtU1dfN6UC
Synthesis, characterization, photo physical and DFT studies of bicoumarin and 3-(3-benzofuranyl) coumarin derivatives	Dr. G. H. Malimath	Physics	Chemical Data Collections	2020/12/1	2405-8300.	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=hxreW6AAAAAJ&pagesize=80&citation_for_view=hxreW6AAAAAJ:_kc_bZDyKSQC
Studies on the effect of temperature on dielectric relaxation, activation energy (ΔG^*), enthalpy (ΔH^*), entropy (ΔS^*) and molecular interactions of some anilines, phenol and ...	Dr. G. H. Malimath	Physics	The Journal of Chemical Thermodynamics	2020/5/1	0021-9614.	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=hxreW6AAAAAJ&pagesize=80&citation_for_view=hxreW6AAAAAJ:kNdYIx-mwKoC

Assessment of sub-surface water quality for irrigational suitability in raichuraluk, one of the hard rock regions of Karnataka	Dr. S. Manjunatha	Geology	Journal of Applied Geochemistry	2022	0972-1967	https://www.indianjournals.com/ijor.aspx?target=ijor:jag&volume=23&issue=2&article=003
Hydrogeochemical investigation and groundwater quality assessment of the Karanja river basin (KRB), Bidar district, Karnataka, India	Dr. S. Manjunatha	Geology	Journal of Applied Geochemistry	2021	0972-1967	https://www.indianjournals.com/ijor.aspx?target=ijor:jag&volume=23&issue=1&article=007
Theriophonum minutum (Willd.) Baillon (Araceae): A new record for Karnataka state, India	Dr. K. Kotresha	Botany	The Journal of Indian Botanical Society	2022	0019-4468	https://doi.org/10.5958/2455-7298.2022.00004.3
Estimation of tree biomass and carbon sequestration in Karnatak College campus, Dharwad, Karnataka	Dr. K. Kotresha	Botany	Journal of Global Biosciences	2021	2320-1355	http://www.mutagens.co.in/jgb/vol.10/11/101104.pdf
Outbreak of Coronavirus (SARS-CoV-2) Delta variant (B.1.617.2) and Delta Plus (AY. 1) with fungal infections, Mucormycosis: Herbal medicine treatment	Dr. K. P. Kolkar	Botany	International Journal of Research and Scientific Innovation (IJRSI)	2021	2321-2705	https://dx.doi.org/10.51244/IJRSI.2021.8603
Melatonin: One molecule one- medicine for many diseases, coronavirus (SARS-CoV-2) disease (Covid19); Function in plants	Dr. K. P. Kolkar	Botany	International Journal of Research and Scientific Innovation (IJRSI)	2021	2321-2705	https://dx.doi.org/10.51244/IJRSI.2021.8310
Camphor tree, Cinnamomum camphora (L.); Ethnobotany and pharmacological updates	Dr. K. P. Kolkar	Botany	Biomedicine	2021	0970-2067	https://biomedicineonline.org/index.php/home/article/view/779
Traditional Herbal Folk Medicine Used For Controlling Corona Virus (Sars-Cov-2) Disease	Dr. K. P. Kolkar	Botany	International Journal of Innovation	2021	2582-6131	http://www.journalijrs.com/sites/default/files/issues-pdf/IJISRR-600.pdf

(Covid-19)			n Scientific Research and Review				
An Age Old Botanical Weapon For Herbal Therapy: Camphor Tree, Cinnamomum Camphora	Dr. K. P. Kolkar	Botany	International Journal of Innovation Scientific Research and Review	2021	2582-6131	http://journalijisr.com/sites/default/files/issues-pdf/IJISRR-602.pdf	
Optimization Of Culture Media For The Growth Of Anabaena Pcc550, Anabaena Pcc 574, And Cyldrospermum Pcc518, Cyldrospermum Pcc 567	Dr. D. M. Singh	Botany	Journal of Advanced Scientific Research	2022	0976-9595	https://www.sciensage.info/index.php/JASR/article/download/1685/1341	
Angiospermic macrophyte diversity of Pajhar Lake Kurli, Nipani Taluk, Karnataka	Dr. D. M. Singh	Botany	BIOINFOL ET - A Quarterly Journal of Life Sciences	2022	0973-1431	https://www.indianjournals.com/ijor.aspx?target=ijor:bil&volume=19&issue=2&article=030	
GC-MS Analysis of fresh water Cyldrospermum sp. PCC518, Cyldrospermum sp. PCC 567 ethanol and hexane extracts	Dr. D. M. Singh	Botany	International Journal of Herbal Medicine	2022	2394-0514	https://www.florajournal.com/archives/2022/vol10issue3/PartA/9-2-100-349.pdf	
Rapid mass propagation of endangered valuable medicinal plant Salacia chinensis L. and GC-MS/LC-MS analysis of active compounds produced in callus and leaf extracts	Dr. Chandrashekhar G Patil	Botany	Sri Lankan Journal of Biology	2021	2550-3340	http://doi.org/10.4038/sljb.v6i2.80	
Study of Drainage characteristics and its Implications for watershed management -A case study of the dharma river Basin, Karnataka state, India	Dr J T Gudgur	Geology	International Journal of Ecology and Environment Science	2021	2320-5199	https://www.researchgate.net/profile/Mallappa-Madolli-2/publication/352991314	

Study On Water Quality Suitability For Irrigation In Western Part Of Sandur Schist Belt, Bellary District, Karnataka, India	Dr J T Gudgur	Geology	Journal of Xidian University	2021	:1001-2400	https://doi.org/10.37896/jxu15.8/002
Mapping of Groundwater potential zones in Lingasugur Taluk in North-eastern part of Karnataka, India using Remote Sensing, GIS and multi-criteria data analysis	Dr. S. Manjunatha	Geology	Disaster Advances	2021		https://doi.org/10.25303/1412da1322
Hydrogeochemical Investigation AND Groundwater quality assessment of the Karanja river basin (krb), bidar district, Karnataka, India	Dr. S. Manjunatha	Geology	Journal of Applied Geochemistry	2021		https://www.researchgate.net/profile/S-Manjunatha-2/publication/358901720
Assessment of subsurface water quality for irrigational suitability of Raichur taluk, one of the hard Rock regions of Karnataka	Dr. S. Manjunatha	Geology	Journal of Applied Geochemistry	2022		https://www.researchgate.net/publication/358957747
Studies on haematological and histopathological alterations induced by sublethal concentration of fenoxaprop-p-ethyl on freshwater fish <i>Cyprinus carpio</i> . Explor	Dr R DSanakal,	Zoology	. Anim. Medical Res, 11(1), 55.	(2021).	2319-247X	10.52635/EAMR/11.1.55-66
Studies On Toxicological Endpoints Of Fenoxaprop-P-Ethylm On Behavioral Changes In Freshwater Exotic Carp <i>Cyprinus Carpio</i> (Linnaeus).	Dr R DSanakal,	Zoology	Journal of Advanced Scientific Research,	(2020).	0976-9595	http://www.sciensage.info
A study on seasonal variation in zooplankton abundance in Kadasgatti Minor Irrigation Tank of Bailhongal Taluk, Belagavi District, Karnataka State, INDIA	Harsha Neelgund	Zoology	Indian Journal of Science and Technology	2021	Electronic 0974-5645 Print 0974-6846	https://doi.org/10.17485/IJST/v14i27.323

Corrosion protection of soft-cast steel in 1 M HCl with Araucaria heterophylla leaves extract	,S. K. Rajappa	Chemistry	Electrochemical Science Advances	July-2021	2698-5977	DOI:10.1002/elsa.202100080
Garcinia livingstonei leaves extract influenced as a mild steel efficient green corrosion inhibitor in 1 M HCl solution	,S. K. Rajappa	Chemistry	Materials Today: Proceedings	Nov-2021	2214-7853	https://doi.org/10.1016/j.matpr.2021.11.084
Effect of Artabotrys odoratissimus extract as an environmentally sustainable inhibitor for mild steel corrosion in 0.5 M H ₂ SO ₄ media	,S. K. Rajappa	Chemistry	Journal of the Indian Chemical Society	March-2022	0019-4522	https://doi.org/10.1016/j.jics.2022.100445
Investigation of African mangosteen leaves extract as an environment-friendly inhibitor for low carbon steel in 0.5 M H ₂ SO ₄	,S. K. Rajappa	Chemistry	Inorganic Chemistry Communications	March-2022	1387-7003	https://doi.org/10.1016/j.inoch.2022.109488
Smart biodegradable films based on chitosan/methylcellulose containing Phyllanthus reticulatus anthocyanin for monitoring the freshness of fish fillet	Saraswati P Masti	Chemistry	International Journal of Biological Macromolecules	44378	0141-8130IF - 8.025	https://doi.org/10.1016/j.ijbiomac.2021.07.128
Miscibility and Thermal Study of 4-Hydroxycoumarin Doped Chitosan Films	Saraswati P Masti	Chemistry	American Journal of Pharmtech	2021	2249-3387IF-0.9832	http://dx.doi.org/10.46624/ajptr.2021.v11.i1.007
Dominant nature of 7-hydroxy 4-methyl coumarin dye on thermal, fluorescence and antimicrobial properties of PVA/OMS blend films	Saraswati P Masti	Chemistry	Journal of Polymer Research	August, 2021	1022-9760IF-3.061	https://doi.org/10.1007/s10965-021-02720-w
Exploration of Multifunctional Properties of Piper Betel Leaves Extract Incorporated Polyvinyl Alcohol-Oxidized Maize Starch Blend Films for Active Packaging Application	Saraswati P Masti	Chemistry	Journal of Polymers and the Environment	August, 2021	15728900 IF- 4.705	https://doi.org/10.1007/s10924-021-02277-1

Polysaccharide-based blendfilms as a promising material for food packaging applications: physicochemical properties	Saraswati P Masti	Chemistry	Iranian Polymer Journal	November, 2021	1026-1265 IF- 2.485	https://doi.org/10.1007/s13726-021-01014-8
Preparation and physicochemical assessment of bioactive films based on chitosan and starchy powder of white turmeric rhizomes (Curcuma Zedoaria) for green packaging applications	Saraswati P Masti	Chemistry	International Journal of Biological Macromolecules	November, 2021	0141-IF-8.025	https://doi.org/10.1016/j.biomac.2021.11.050
Chitosan/pullulan based films incorporated with clove essential oil loaded chitosan- ZnO hybrid nanoparticles for active food packaging	Saraswati P Masti	Chemistry	Carbohydrate Polymers	November, 2021	0144-8617IF-10.723	https://doi.org/10.1016/j.carbpol.2021.118866
Evaluation of spectroscopic, microscopic and hydrophobic properties of cetrimide and polyethylene glycol-400 plasticized ethyl cellulose films	Saraswati P Masti	Chemistry	Chemical Data Collections	November, 2021	2405-8300IF-2.50	https://doi.org/10.1016/j.cdc.2021.100796
Development and evaluation of Moringa extract incorporated Chitosan/ Guar gum/Poly (vinyl alcohol) active films for foodpackaging applications	Saraswati P Masti	Chemistry	International Journal of Biological Macromolecules	December, 2021	0141-8130IF-8.025	https://doi.org/10.1016/j.jbiomac.2021.12.116
Ionicly Crosslinked Chitosan/Tragacanth Gum Based Polyelectrolyte Complexes for Antimicrobial Biopackaging Applications.	Saraswati P Masti	Chemistry	Journal of Polymers and the Environment	January, 2022	15728900 IF- 4.705	https://doi.org/10.1007/s10924-021-02354-5
Fabrication and Study of Poly (vinyl alcohol) Film Functionalized with Basella alba Stem	Saraswati P Masti	Chemistry	Journal of Polymers and the Environment	February, 2022	15728900	https://doi.org/10.1007/s10924-022-02395-4 IF- 4.705

Extract							
Ionic conductivity enhancement of PVA: carboxymethyl cellulose poly-blend electrolyte films through the doping of NaI salt	Saraswati P Masti	Chemistry	Cellulose	March, 2022	0969-0239IF-6.123	https://doi.org/10.1007/s10570-022-04483-z	
Miscibility and Thermal Study of 4-Hydroxycoumarin Doped Chitosan Films	Saraswati P Masti	Chemistry	American Journal of Pharmtech Research	2021	ISSNNo.-2249-3387 IF-0.9832	http://dx.doi.org/10.46624/ajptr.2021.v11.i1.007	
Dominant nature of 7-hydroxy 4-methyl coumarin dye on thermal, fluorescence and antimicrobial properties of PVA/OMS blend films	Saraswati P Masti	Chemistry	Journal of Polymer Research	August, 2021	ISSNNo.-1022-9760 IF-3.061	https://doi.org/10.1007/s10965-021-02720-w	
Exploration of Multifunctional Properties of Piper Betel Leaves Extract Incorporated Polyvinyl Alcohol-Oxidized Maize Starch Blend Films for Active Packaging Application	Saraswati P Masti	Chemistry	Journal of Polymers and the Environment	August, 2021	ISSNNo.-15728900 IF-4.705	https://doi.org/10.1007/s10924-021-02277-1	
Chitosan/pullulan based films incorporated with clove essential oil loaded chitosan-ZnO hybrid nanoparticles for active food packaging	Saraswati P Masti	Chemistry	Carbohydrate Polymers	November, 2021	ISSNNo.-0144-8617 IF-10.723	https://doi.org/10.1016/	
Evaluation of spectroscopic, microscopic and hydrophobic properties of cetrinide and polyethylene glycol-400 plasticized ethyl cellulose films	Saraswati P Masti	Chemistry	Chemical Data Collections	November, 2021	ISSNNo.-2405-8300 IF-2.50	https://doi.org/10.1016/j.cdc.2021.100796	
Synthesis of coumarin-thioether conjugates as potential anti-tubercular agents: Their molecular docking and X-ray crystal studies	Dr. Kariyappa S. Katagi	Chemistry	Journal of Molecular Structure	2022	0222-2860	https://doi.org/10.1016/j.molstruc.2022.133452	

Design and Synthesis of Polycyclic Acridin-(9-yl-Amino) Thiazol-5-yl)-2H-Chromen-2-One Derivatives: As Antiproliferative and Anti-TB Pharmacophores	Dr. Kariyappa S. Katagi	Chemistry	Polycyclic Aromatic Compounds	2022	1563-5333	https://doi.org/10.1080/10406638.2020.1734636
Quantum chemical computations, fluorescence spectral features and molecular docking of two biologically active heterocyclic class of compounds	Dr. Kariyappa S. Katagi	Chemistry	Journal of Photochemistry and Photobiology A: Chemistry	2021	1010-6030	https://doi.org/10.1016/j.jphotochem.2020.112956
Mussel shells as sustainable catalyst: synthesis of liquid fuel from non edible seeds of Bauhinia malabarica and Gymnosporia montana	Dr. Kariyappa S. Katagi	Chemistry	Current Research in Green and Sustainable Chemistry	2021	2666-0865	https://doi.org/10.1016/j.crgsc.2021.100124
Liquid fuel production from Cassia spectabilis seed oil by one step transesterification and evaluation of its fuel properties based on fatty acid composition	Dr. Kariyappa S. Katagi	Chemistry	Chemical Data Collections	2021	2405-8300	https://doi.org/10.1016/j.cdc.2020.100635
Understanding the binding interaction between phenyl boronic acid P1 and sugars: determination of association and dissociation constants using S–V plots, steady-state spectroscopic methods and molecular docking	Dr. Kariyappa S. Katagi	Chemistry	Luminescence	2021	1522-7243	https://doi.org/10.1002/bio.3931
Design, synthesis, molecular docking, anti-proliferative and anti-TB studies of 2H-chromen-8-azaspiro [4.5] decane-7, 9-dione conjugates	Dr. Kariyappa S. Katagi	Chemistry	Journal of Molecular Structure	2021	0022-2860	https://doi.org/10.1016/j.molstruc.2020.129530
Investigation on seed oil chemistry of Bauhinia racemosa for the production of liquid	Dr. Kariyappa S. Katagi	Chemistry	Energy Sources, Part A: Recovery,	2021	1556-7036	https://doi.org/10.1080/15567036.2021.1991527

biofuel			Utilization , and Environmental Effects				
Ionicly Crosslinked Chitosan/Tragacanth Gum Based Polyelectrolyte Complexes for Antimicrobial Biopackaging Applications	Dr. Saraswati P Masti	Chemistry	Journal of Polymers and the Environment	2022	1566-2543	https://doi.org/10.1007/s10924-021-02354-5	
Ionic conductivity enhancement of PVA: carboxymethyl cellulose poly-blend electrolyte films through the doping of NaI salt	Dr. Saraswati P Masti	Chemistry	Cellulose	2022	0969-0239	https://doi.org/10.1007/s10570-022-04483-z	
Polysaccharide-based blend films as a promising material for food packaging applications: physicochemical properties	Dr. Saraswati P Masti	Chemistry	Iranian Polymer Journal	2022	1026-1265	https://doi.org/10.1007/s13726-021-01014-8	
N-ethyltetramethylguanidinium ionic liquid [ETMG][EtSO ₃] as organocatalyst and solvent for facile amide synthesis by formyl-transfer with N-formyl-saccharin	Dr. Rajesh G. Kalkhambkar	Chemistry	Tetrahedron Letters	2022	0040-4039	https://doi.org/10.1016/j.tetlet.2022.153990	
In vitro antimicrobial combat, molecular modelling and structure activity relationship studies of novel class of aryl-ethyne tethered coumarin analogues and some 3-aryl coumarin derivatives	Dr. Rajesh G. Kalkhambkar	Chemistry	Journal of Medicinal Chemistry Reports	2022	2772-4174	https://doi.org/10.1016/j.ejmcr.2022.100048	
Ionic liquid-mediated benzoyl transfer-coupling in the Suzuki and Sonogashira reactions and aryl transfer-coupling by decarbonylationSynthesis,	Dr. Rajesh G. Kalkhambkar	Chemistry	Journal of Molecular Liquids	2022	0167-7322	https://doi.org/10.1016/j.molliq.2022.119520	

In vitro and theoretical studies on newly synthesized deep blue emitting 4-(p-methylphenylsulfonyl-5-aryl/alkyl) oxazole analogues for biological and optoelectronic applications							
Molecular modeling and In vitro antimicrobial evaluation of some 2-Aryl-Benzoxazoles/Benzothiazole analogues containing alkyl, alkenyl and alkynyl linkages	Dr. Rajesh G. Kalkhambkar	Chemistry	Chemical Data Collections	2022	2405-8300	https://doi.org/10.1016/j.cdc.2022.100876	
N-heteroarenes Employing Ultrasonication Assisted α -Arylation of 1-Aryltriazines Promoted by Brønsted Acidic Ionic Liquid under Aerobic Conditions	Dr. Rajesh G. Kalkhambkar	Chemistry	Chemistry Select	2022	2365-6549	https://doi.org/10.1002/slct.202201428	
Palladium Catalyzed Electrophilic C2-Arylation of Azoles by Aryltriazines in Ionic liquid Promoted by Acidic Ionic Liquid	Dr. Rajesh G. Kalkhambkar	Chemistry	Chemistry-select	2020	2365-6549	https://doi.org/10.1002/slct.202002854	