VIKRAMA SIMHAPURI UNIVERSITY
NELLORE-524 324, ANDHRA PRADESH

Metric ID: 3.4.5

DVV Clarification on Metric ID: 3.4.5

DVV Comment:

1. **Provide the link landing to the paper / article**
2. **Provide the link to the journal website.**

HEI Response:

Provided link landing to the paper / article and link to the journal website.

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		
						Link to website of the Journal	Link to article/paper /abstract of the article	Is it listed in UGC Care list

Immunological and AntioxidantResponse of Litopenaeus vannamei fed With Lactobacillus species under WSSV challenge,	Gujjula Mary Sandeepa	Biotechnology	Current trends in Biotechnology and Pharmacy	2017	0973-8916	https://www.abap.co.in/index.php/home	https://www.indianjournals.com/ijor.aspx?target=ijor:ctbp&volume=11&issue=1&article=005	Scopus
A blue enzyme from marine bacterium for green technological applications, Natural Product Research	K.Vidya Prabhakar	Biotechnology	Natural Product Research	2021	1478-6419	https://www.tandfonline.com/journals/gnpl20	https://doi.org/10.1080/14786419.2021.1948044	Scopus
A review on importance of bioactive compounds of medicinal plants in treating idiopathic pulmonary fibrosis (special emphasis on isoquinoline alkaloids).	K.Vidya Prabhakar	Biotechnology	Future Journal of Pharmaceutical Sciences	2021	2314-7253	https://fjps.springeropen.com/	https://fjps.springeropen.com/articles/10.1186/s43094-021-00304-5	Scopus
Antioxidant potential and optimization of production of extracellular polysaccharide by Acinetobacter indicus M6	K.Vidya Prabhakar	Biotechnology	Journal of Genetic engineering and Biotechnology	2021	2090-5920	https://jgeb.springeropen.com/	https://jgeb.springeropen.com/articles/10.1186/s43141-021-00137-y	Scopus
Green treatment of chromium contaminated water using Spongomorpha indica	K.Vidya Prabhakar	Biotechnology	Regional Studies in Marine Science	2021	2352-4855	https://www.sciencedirect.com/journal/regional-studies-in-marine-science	https://doi.org/10.1016/j.rsma.2021.102019	Scopus
Potential of artificial intelligence to accelerate diagnosis and drug discovery for COVID-19	K.Vidya Prabhakar	Biotechnology	Peer J	2021	2167-8359	https://peerj.com/	https://doi.org/10.7717/peerj.12073	Scopus
Biochemical and molecular characterization of lactase producing bacterium isolated from dairy effluent	K.Vidya Prabhakar	Biotechnology	Journal of King Saud University-Science	2020	1018-3647	https://www.sciencedirect.com/journal/journal-of-king-saud-university-science	https://doi.org/10.1016/j.jksus.2019.12.014	Scopus
Evaluation of anti-cancer, antimicrobial and anti-biofilm	K.Vidya Prabhakar	Biotechnology	Journal of King Saud University-	2020	1018-3647	https://www.sciencedir	https://doi.org/10.1016/j.jksus.2018.0	Scopus

potential of biosurfactant extracted from an Acinetobacter M6 strain			Science			ect.com/journal/journal-of-king-saud-university-science	4.007	
Characterization of bacteriocin ABCtransporter ATP-binding protein produed by a newly isolated Enterococcus strain	K.Vidya Prabhakar	Biotechnology	Journal of Basic and Applied Sciences	2019	2314-8543	https://bjbas.springeropen.com/	https://bjbas.springeropen.com/articles/10.1186/s43088-019-0006-z	Scopus
Characterization of bacteriocin producing probiotic properties of Enterococcus casseliflavus MI001 isolated from curd sample	K.Vidya Prabhakar	Biotechnology	Current Trends in Biotechnology and Pharmacy	2019	0973-8916	https://www.abap.co.in/index.php/home	https://www.indianjournals.com/ijor.aspx?target=ijor:ctbp&volume=13&issue=1&article=008	Scopus
Molecular Characterization of a Biopolymer Producing Bacterium Isolated from Sewage Sample	K.Vidya Prabhakar	Biotechnology	Current Trends in Biotechnology and Pharmacy	2019	0973-8916	https://www.abap.co.in/index.php/home	https://abap.co.in/index.php/home/past-issues (https://www.indianjournals.com/ijor.aspx?target=ijor:ctbp&volume=13&issue=3&article=008)	Scopus
Production of polyhydroxybutyrate from Acinetobacter nosocomialis RR20 strain using modified mineral salt medium: a statistical approach	K.Vidya Prabhakar	Biotechnology	International Journal of Environmental Science and Technology	2019	1735-1472	https://www.springer.com/journal/13762	https://link.springer.com/article/10.1007/s13762-018-2102-3	Scopus
Purification and Lignocellulolytic Potential of Cellulase from Newly Isolated Acinetobacter indicus KTCV2 Strain	K.Vidya Prabhakar	Biotechnology	Iranian Journal of Science andTechnology, Transactions A: Science.	2019	1028-6276	https://www.springer.com/journal/40995	https://link.springer.com/article/10.1007/s40995-018-0600-2	Scopus
In silico sgRNA tool designfor CRISPR control of quorum sensing in Acinetobacter species	K.Vidya Prabhakar	Biotechnology	Genes &Diseases	2018	2352-3042	https://www.sciencedirect.com/journal/genes-and-diseases	https://doi.org/10.1016/j.gendis.2018.03.004	Scopus
Isolation and characterization of	K.Vidya	Biotechn	Karbala	2018	2405-	https://ww	https://doi.org/10.	Scopus

bacteriocin producing Enterococcus casseliflavus and its antagonistic effect on Pseudomonas aeruginosa	Prabhakar	ology	International Journal of Modern Science		609X	w.sciencedirect.com/journal/karbala-international-journal-of-modern-science	1016/j.kijoms.2018.09.002	
Optimization of process parameters for Poly Hydroxy Butyrate Production from Isolated Acinetobacter nosocomialis RR20 through Submerged Fermentation.	K.Vidya Prabhakar	Biotechnology	Current Trends in Biotechnology and Pharmacy.	2018	2230-7303	https://www.abap.co.in/index.php/home	https://agris.fao.org/agris-search/search.do?recordID=US202100049415	Scopus
Role of biosurfactants in bioremediation of oil pollution-a review	K.Vidya Prabhakar	Biotechnology	Petroleum	2018	2405-6561	https://www.sciencedirect.com/journal/petroleum	https://doi.org/10.1016/j.petlm.2018.03.007	Scopus
Design of an economically feasible nutrient medium for microorganisms using Banana waste	K.Vidya Prabhakar	Biotechnology	World Review of Science Technology and Sustainable Development	2017	1741-2242	https://www.inderscienceonline.com/	https://doi.org/10.1504/WRSTSD.2017.083715	Scopus
Modeling and optimization of fermentation variables for enhanced production of lactase by isolated Bacillus subtilis strain VUVD001 using artificial neural networking and response surface methodology"	K.Vidya Prabhakar	Biotechnology	3 Biotech	2017	2190-5738	https://www.springer.com/journal/13205	https://doi.org/10.1007/s13205-017-0802-x	Scopus
Optimization of nutritional components of medium by response surface methodology for enhanced production of lactase	K.Vidya Prabhakar	Biotechnology	3 Biotech	2017	2190-5738	https://www.springer.com/journal/13205	https://doi.org/10.1007/s13205-017-0805-7	Scopus
Optimization of Variables for Lactase Production from Isolated Bacillus subtilis strainVUVD001 Through Submerged Fermentation.	K.Vidya Prabhakar	Biotechnology	Current Trends in Biotechnology & Pharmacy	2017	2230-7303	https://www.abap.co.in/index.php/home	https://www.indianjournals.com/ijor.aspx?target=ijor:ctbp&volume=11&issue=4&article=004	Scopus
Optimization Study of Cadmium	K.Vidya	Biotechn	Materials, Energy	2017	978981-	https://link.	https://link.springe	Scopus

Biosorption on Sea Urchin Test: Application of Response Surface Methodology	Prabhakar	ology	and Environment Engineering		1026751	springer.com/book/10.1007/978-981-10-2675-1	r.com/chapter/10.1007/978-981-10-2675-1_13	
solation and Identification of PolyHydroxyButyrate (PHB) producing bacteria from Sewage sample	K.Vidya Prabhakar	Biotechnology	Research Journal of Pharmacy and Technology	2017	0974-360X	https://rjptonline.org/Home.aspx	https://doi.org/10.5958/0974-360X.2017.00193.7	Scopus
Evaluation of Antimicrobial Activity of Aryl/Alkyl Cyanamides and Substituted Tetrazole Compounds	Kiranmai Chadipiralla	Biotechnology	Russian Journal of Bioorganic Chemicals	2022	1068-1620	https://www.springer.com/journal/11171	https://link.springer.com/article/10.1134/S1068162022020200	Scopus
In vitro anti-protozoan activity of methanolic extracts of Caralluma Procumbens against Tritrichomonas foetus	Kiranmai Chadipiralla	Biotechnology	Current Trends in Biotechnology and Pharmacy	2022	2230-7303	https://www.abap.co.in/index.php/home/index	https://abap.co.in/index.php/home/article/view/385	Scopus
Functional Characterization of traditional rice based alcoholic beverages of Assam, North East India	Kiranmai Chadipiralla	Biotechnology	Annals of the Romanian Society for Cell Biology	2021	1583-6258	https://www.annalsofrscb.ro/index.php/journal	https://www.annalsofrscb.ro/index.php/journal/article/view/8304	Scopus
Molecular characterization of coat color gene in Sahiwal versus Karan Fries bovine	Kiranmai Chadipiralla	Biotechnology	Journal of Genetic Engineering and Biotechnology.	2021	2090-5920	https://jgeb.springeropen.com/	https://jgeb.springeropen.com/articles/10.1186/s43141-021-00117-2	Scopus
Recent asdvances in engineering crop plants for resistance to insect pests	Kiranmai Chadipiralla	Biotechnology	Egyptian Journal of Biological Pest Control,	2021	2536-9342	https://ejbpc.springeropen.com/	https://ejbpc.springeropen.com/articles/10.1186/s41938-021-00465-8	Scopus
Traditional Rice Beer of Assam, North East India	Kiranmai Chadipiralla	Biotechnology	Annals of the Romanian Society for Cell Biology	2021	1583-6258	https://www.annalsofrscb.ro/index.php/journal	http://www.annalsofrscb.ro/index.php/journal/article/view/8308	Scopus
Identification and sequence characterization of melanocortin 1 receptor gene (MC1R) in Bos indicus versus (Bos taurus X Bos indicus)	Kiranmai Chadipiralla	Biotechnology	Animal Biotechnology	2019	1532-2378	https://www.tandfonline.com/journals/labt20	https://doi.org/10.1080/10495398.2019.1585866	Scopus
Novel extraction of high quality genomic DNA from frozen bovine	Kiranmai Chadipirall	Biotechnology	Open Veterinary Journal	2018	2218-6050	https://www.ajol.info/i	https://www.ncbi.nlm.nih.gov/pmc/arti	Scopus

blood samples by using detergent method	a					ndex.php/ovj/article/view/179772	cles/PMC6243206/	
Oral nicotine aggravates endothelial dysfunction and vascular inflammation in diet-induced obese rats	Kiranmai Chadipiralla	Biotechnology	PLOS one	2017	19326203	https://journals.plos.org/plosone/	https://doi.org/10.1371/journal.pone.0188439	Scopus
Evaluation of Detection of SARS-CoV-2 by Chip-based Real, Time PCR Test (Truenat™ Beta CoV) inmulti-sample pools	Kota Neela Manikanta	Biotechnology	International Journal ofAcademic Medicine	2022	2455-5568	https://ijam-web.org	https://ijam-web.org/article.asp?issn=2455-5568;year=2022;volume=8;issue=3;spage=123;epage=130;aulast=Polu;type=3	Scopus
Wildlife tourism: a synthesis of past, present, and future research agenda	Kota Neela Manikanta	Biotechnology	Enlightening tourism. A pathmaking journal	2021	2174-548X	http://www.uhu.es/publicaciones/ojs/index.php/et/index	http://www.uhu.es/publicaciones/ojs/index.php/et/article/view/5117	scopus
Immobilization stress exacerbates arsenic-induced reprotoxic effects in adult rats	S.B. Sainath	Biotechnology	Toxicology Research	2022	2045-4538	https://academic.oup.com/toxres/pages/About	https://academic.oup.com/toxres/article-abstract/11/3/426/6582873?redirectedFrom=fulltext	Scopus
An ancestral nuclear receptor couple, PPAR-RXR, is exploited by organotins	S.B. Sainath	Biotechnology	Science of The Total Environment	2021	0048-9697	https://www.sciencedirect.com/journal/science-of-the-total-environment	https://www.sciencedirect.com/science/article/abs/pii/S0048969721041164?via%3Dihub	Scopus
Phenotypic and trascriptomic changes in Zebrafish (Danio rerio) embroys/larvae following cypermethrin exposure	S.B. Sainath	Biotechnology	Chemosphere	2020	0045-6535	https://www.sciencedirect.com/journal/chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653520303416?via%3Dihub	Scopus
Recovery of Prenatal Baicalein Exposure Perturbed Reproduction by Postnatal Exposure of	S.B. Sainath	Biotechnology	International Journal of Endocrinology	2020	1687-8337	https://www.hindawi.com/journals/i	https://www.hindawi.com/journals/ije/2020/5012736/	Scopus

Testosterone in Male Mice						je/		
Testosterone recuperates deteriorated male fertility in cypermerthrin intoxicated rats	S.B. Sainath	Biotechnology	Toxicological Research	2020	1976-8257	https://www.springer.com/journal/43188	https://doi.org/10.1007/s43188-020-00046-1	Scopus
α-lipoic acid protects testis and epididymis against linuron-induced oxidative toxicity in adult rats	S.B. Sainath	Biotechnology	Toxicological Research	2020	1976-8257	https://www.springer.com/journal/43188	https://doi.org/10.1007/s43188-019-00036-y	Scopus
Detection and mode of action of retinoids on ovarian development in the mud crab, Scylla serrata	S.B. Sainath	Biotechnology	International Journal of Aquatic Biology	2019	2383-0956	http://ij-aquaticbiology.com/index.php/ijab/index	https://doi.org/10.22034/ijab.v7i5.687	Scopus
Effect of cypermethrin on reproductive efficacy in zebrafish (Danio rerio): in vivo and in silico studies	S.B. Sainath	Biotechnology	Journal of Environmental Biology	2019	0254-8704	http://jeb.co.in/index.php?page=jeb_home	https://www.researchgate.net/publication/336170998_Effect_of_cypermethrin_on_Reproductive_efficacy_in_zebrafish_Danio_rerio_In_vivo_and_in_silico_studies	Scopus
Recovery of diminished spermatogenesis by resveratrol against the pyrethroid, lambda cyhalothrin-induced repro-toxicity in albino rats	S.B. Sainath	Biotechnology	International Journal of Pharmaceutical Sciences and Research	2019	2320-5148	https://ijpsr.com/	https://ijpsr.com/bft-article/recovery-of-diminished-spermatogenesis-by-resveratrol-against-the-pyrethroid-lambda-cyhalothrin-induced-repro-toxicity-in-albino-rats/	Scopus
The evolutionary road to invertebrate thyroid hormone signaling: Perspectives for endocrine disruption processes	S.B. Sainath	Biotechnology	Comparative Biochemistry and Physiology: Part C	2019	1532-0456	https://www.sciencedirect.com/journal/comparative-biochemistry	https://www.sciencedirect.com/science/article/abs/pii/S1532045619300171	Scopus

						-and-physiology-part-c-toxicology-and-pharmacology		
α-Lipoic acid inhibits testicular and epididymal oxidative damage and improves fertility efficacy in arsenic-intoxicated rats	S.B. Sainath	Biotechnology	Journal of Biochemical and Molecular Toxicology	2018	1099-0461	https://onlinelibrary.wiley.com/journal/10990461	https://onlinelibrary.wiley.com/doi/10.1002/jbt.22016	Scopus
Design of an economically feasible nutrient medium for microorganisms using Banana waste	S.B. Sainath	Biotechnology	World Review of Science Technology and Sustainable Development	2017	1741-2242	https://www.inderscienceonline.com/	https://doi.org/10.1504/WRSTSD.2017.083715	Scopus
Novel 1, 4-dihydropyridines for L-type calcium channel as antagonists for cadmium toxicity	S.B. Sainath	Biotechnology	Nature Scientific Reports	2017	2045-2322	https://www.nature.com/srep/	https://www.nature.com/articles/srep45211	Scopus
α-lipoic acid inhibits oxidative stress in testis and attenuates testicular toxicity in rats exposed to carbimazole during embryonic period	S.B. Sainath	Biotechnology	Toxicology Reports	2017	2214-7500	https://www.sciencedirect.com/journal/toxicology-reports	https://www.sciencedirect.com/science/article/pii/S2214750017300409?via%3Dihub	Scopus
Evaluation of Antimicrobial Activity of Aryl/Alkyl Cyanamides and Substituted Tetrazole Compounds	Uday Sankar Allam	Biotechnology	Russian Journal of Bioorganic Chemicals	2022	1068-1620	https://www.springer.com/journal/11171	https://link.springer.com/article/10.1134/S1068162022020200	Scopus
Evaluation of Detection of SARS-CoV-2 by Chip-based Real, Time PCR Test (Truenat™ Beta CoV) inmulti-sample pools	Uday Sankar Allam	Biotechnology	International Journal ofAcademic Medicine	2022	2455-5568	https://ijam-web.org	https://ijam-web.org/article.asp?issn=2455-5568;year=2022;volume=8;issue=3;spage=123;epage=130;aulast=Polu;type=3	Scopus
In Silico, Modeling and Docking Analysis of CTX-M-5, Cefotaxime-Hydrolyzing β-Lactamase	Uday Sankar Allam	Biotechnology	Journal of Pharmacology and	2022	0976-500X	https://journals.sagepub.com/home/	https://journals.sagepub.com/doi/full/10.1177/0976500X	Scopus

from Human-Associated Salmonella Typhimurium.			Pharmacotherapeutics			PHA	221109721	
In vitro anti-protozoan activity of methanolic extracts of Caralluma Procumbens against Tritrichomonas foetus	Uday Sankar Allam	Biotechnology	Current Trends in Biotechnology and Pharmacy	2022	2230-7303	https://www.abap.co.in/index.php/home/index	https://abap.co.in/index.php/home/article/view/385	Scopus
Perception of Student Engagement among Faculty in private engineering colleges	Uday Sankar Allam	Biotechnology	Specialusis Ugdymas	2022	1392-5369	https://www.sumc.lt/index.php/se	https://www.sumc.lt/index.php/se/article/view/1453/1104	scopus
Recent asdvances in engineering crop plants for resistance to insect pests	Uday Sankar Allam	Biotechnology	Egyptian Journal of Biological Pest Control,	2021	2536-9342	https://ejbpc.springeropen.com/	https://ejbpc.springeropen.com/articles/10.1186/s41938-021-00465-8	Scopus
Traditional Rice Beer of Assam, North East India	Uday Sankar Allam	Biotechnology	Annals of the Romanian Society for Cell Biology	2021	1583-6258	https://www.annalsofrscb.ro/index.php/journal	https://www.annalsofrscb.ro/index.php/journal/article/view/8308	Scopus
Wildlife tourism: a synthesis of past, present, and future research agenda	Uday Sankar Allam	Biotechnology	Enlightening tourism. A pathmaking journal	2021	2174-548X	http://www.uhu.es/publicaciones/ojs/index.php/et/index	http://www.uhu.es/publicaciones/ojs/index.php/et/article/view/5117	scopus
Green synthesis, antitubercular evaluation and molecular docking studies of ethyl 3,5dicyano-6-oxo-2,4-diarylpiperidine-3-carboxylate derivatives	Uday Sankar Allam	Biotechnology	Medicinal Chemistry Research	2020	1554-8120	https://link.springer.com/	https://link.springer.com/article/10.1007/s00044-020-02519-2	Scopus
Synthesis and antibacterial activity of novel (4-fluorophenyl)(4-(naphthalen-2-yl)-6-aryl-2-thioxo-2,3-dihydropyrimidin-1(6yl)methanone derivative	Uday Sankar Allam	Biotechnology	Journal of Heterocyclic Chemistry	2019	1943-5193	https://onlinelibrary.wiley.com/journal/19435193	https://onlinelibrary.wiley.com/doi/abs/10.1002/jhet.3368	Web of Science
The Mediating Role of Employee Job Satisfaction and Employee Job Performance between Human Resource Management Practices and Organizational Productivity	Chenchu Reddy	Business Management	International Journal of Mechanical Engineering	2022	0974-5823	https://kalaharijournals.com/ijme.php	https://kalaharijournals.com/resources/IJME_Vol7.1_739.pdf	scopus
Machine learning Structural	P.C. Reddy	Business	Journal of Critical	2020	2394-	https://ww	https://www.jcrevi	scopus

Equation Modeling Algorithm on Online shopping Customer Satisfaction Measurement		Management	Reviews		5125	w.jcreview.com/	ew.com/issue.php?volume=Volume%207%20&issue=Issue-6&year=2020	
Machine learning Structural Equation Modeling Algorithm to Measure performance	P.C. Reddy	Business Management	International Journal of Advanced Trends in Computer Science and Engineering	2020	2278-3091	https://www.warse.org/	https://www.warse.org/IJATCSE/static/pdf/file/ijatcse14892202020.pdf	Scopus
Machine Learning Multiple Linear Regression Algorithm for Fast Moving Consumer Goods: An Exploratory Research	P.Chenchu Reddy	Business Management	International Journal of Mechanical Engineering	2022	0974-5823	https://kalaharijournals.com/ijme.php	https://kalaharijournals.com/resources/IJME_Vol7.1_738.pdf	scopus
Synthesis, biological evaluation and molecular docking studies of some spiro5-cyanopyrimidine derivative.	P. Thriveni	Chemistry	Russian Journal of Bioorganic Chemistry	2021	1608-330X	https://www.springer.com/journal/11171/	https://link.springer.com/article/10.1134/S1068162021060145	Scopus
Green synthesis, antitubercular evaluation and molecular docking studies of ethyl 3,5dicyano-6-oxo-2,4-diarylpiperidine-3-carboxylate derivatives	P. Thriveni	Chemistry	Medicinal Chemistry Research	2020	1554-8120	https://link.springer.com/	https://link.springer.com/article/10.1007/s00044-020-02519-2	Scopus
One-pot synthesis of thiazolo[3,2-a]pyrimidine derivatives, their cytotoxic evaluation and molecular docking studies	P. Thriveni	Chemistry	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2020	1873-3557	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy	https://www.sciencedirect.com/science/article/abs/pii/S1386142520300330	Scopus
An efficient three-component one-pot synthesis of pyrimidobenzimidazole derivatives.	P. Thriveni	Chemistry	Heterocyclic Letters.,	2021	2230-9632	http://heteroletters.org/	http://heteroletters.org/issue112/Paper-11.pdf	Web of Science
CoFe2O4-NPs catalytic action in	P. Thriveni	Chemist	Heterocyclic	2020	2230-	http://heter	http://heteroletters.	Web of

the synthesis of 2-substituted 4(3H)-quinazolinones from isotic anhydide		ry	Letters		9632	oletters.org/	org/issue101/Paper-5.pdf	Science
Synthesis and antibacterial activity of novel (4-fluorophenyl)(4-(naphthalen-2-yl)-6-aryl-2-thioxo-2,3-dihydropyrimidin-1(6yl)methanone derivative	P. Thriveni	Chemistry	Journal of Heterocyclic Chemistry	2019	1943-5193	https://onlinelibrary.wiley.com/journal/19435193	https://onlinelibrary.wiley.com/doi/abs/10.1002/jhet.3368	Web of Science
One-Pot Synthesis of 2-Substituted Quinazolinones by Coupling Of 2-BromoBenzamide, Benzaldehyde and ammonia catalysed by Cr(NO3)3.6H2O	P. Thriveni	Chemistry	Heterocyclic letters,	2018	2230-9632	http://heteroletters.org/	http://heteroletters.org/issue81/Paper-28.pdf	Web of Science
Silver Triflate Catalysed One-Pot Synthesis of 3-Substituted Quinazolinones by three-Component Coupling of Anthranilicacid, amines and Ortho Esters at room temperature under Solvent-Free Conditions	P. Thriveni	Chemistry	Heterocyclic letters,	2017	2230-9632	http://heteroletters.org/	http://heteroletters.org/issue17/Paper-12.pdf	Web of Science
Synthesis of 2-substituted 4(3H)-quinozolinones derivatives using boron tribromide as efficient catalyst	P. Thriveni	Chemistry	Heterocyclic letters,	2017	2230-9632	http://heteroletters.org/	http://heteroletters.org/issue17/Paper-9.pdf	Web of Science
Synthesis of quinazolinones via tandem cyclization of 2-Halobenzoic acids with amidines using cerium(iii) chloride as a Catalyst	P. Thriveni	Chemistry	Heterocyclic letters,	2017	2230-9632	http://heteroletters.org/	http://heteroletters.org/issue17/Paper-14.pdf	Web of Science
Design, synthesis and biological evaluation of aryl and hetero-aryl linked thieno[3,2-d]pyrimidine derivatives as anticancer agents	T. Veera Reddy	Chemistry	Chemical data collections	2022	2405-8300	https://www.sciencedirect.com/journal/chemical-data-collections/vol/39/suppl/C	https://www.sciencedirect.com/science/article/abs/pii/S2405830022000362?via%3Dihub	scopus
Development and Characterization of Voriconazole loaded Solid Lipid	T. Veera Reddy	Chemistry	Research Journal of	2021	0975-8585	https://www.rjpbcs.com	https://www.rjpbcs.com/pdf/2021_12(	scopus

Nanoparticle for Topical Drug Delivery			Pharmaceutical, Biological and Chemical Sciences (RJPBCS)			/	2)/[23].pdf	
Adsorption of Phenol and Resorcinol from aqueous solution by Chitosan/Poly (acrylamide-co-2-acrylymido-2-methyl-1-propanesulphonic acid) hydrogels: modeling and kinetic studies	T. Veera Reddy	Chemistry	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersc.org/journals/index.php/IJAST/index	http://sersc.org/journals/index.php/IJAST/article/view/7762	scopus
Photo-Mediated green synthesis of copper nanoparticles: Study of catalytic performance and antibacterial activity	T. Veera Reddy	Chemistry	Rasayan J.Chem.	2020	0967-0083	http://rasayanjournal.co.in	http://rasayanjournal.co.in/admin/php/upload/2886_pdf.pdf	scopus
Studies towards a new C-alkylation method at 3-position of Indoles	T. Veera Reddy	Chemistry	Monatshefte für Chemie	2020	1434-4475	Monatshefte für Chemie - Chemical Monthly | Home (springer.com)	https://link.springer.com/article/10.1007/s00706-020-02645-y	web of science
Ultra-Range Bimetallic Pt-Pd Nanospheres Deposited on Reduced Graphene Sheet as Efficient Electrocatalyst Towards Electrooxidation of Methanol	T. Veera Reddy	Chemistry	Journal of Cluster Science	2020	1040-7278	https://www.springer.com/journal/10876/	https://link.springer.com/article/10.1007/s10876-019-01752-z	web of science
Cycloaddition of 3-Diazooxindole with Arynes for the Synthesis of Spiro[indazole-3,3'-indolin]-2'-ones,	T. Veera Reddy	Chemistry	Chemistry select	2017	2365-6549.	https://chemistry-europe.onlinelibrary.wiley.com/toc/23656549/2017/2/15	https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/slct.201700715	web of Science
Design and synthesis of novel triazole linked pyrrole derivatives as potent Mycobacterium tuberculosis Inhibitors	T. Veera Reddy	Chemistry	Medicinal Chemistry Research	2017	1054-2523	https://www.springer.com/journal/44	https://link.springer.com/article/10.1007/s00044-017-1997-4	web of Science
Adsorption of Phenol and	Y. Vijaya	Chemist	International	2020	2207-	http://sersc.	http://sersc.org/jou	scopus

Resorcinol from aqueous solution by Chitosan/Poly (acrylamide-co-2-acrylymido-2-methyl-1-propanesulphonic acid) hydrogels: modeling and kinetic studies		ry	Journal of Advanced Science and Technology		6360	org/journals/index.php/IJAST/index	rnals/index.php/IJAST/article/view/7762	
Methyl orange removal from aqueous solution using goethite, chitosan beads and goethite impregnated with chitosan beads.	Y. Vijaya	Chemistry	Journal of Molecular Liquids	2017	0167-7322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732217312175	scopus
Carboxylate-functionalized dragon fruit peel powder as an effective adsorbent for the removal of Rhodamine B (cationic dye) from aqueous solution: adsorption behavior and mechanism	Y. Vijaya	Chemistry	International Journal of Phytoremediation	2021	1549-7879	https://www.tandfonline.com/	https://www.tandfonline.com/doi/abs/10.1080/15226514.2022.2064817?tab=permissions&scroll=top	web of science
Removal of anionic (Acid Yellow 17 and Amaranth) dyes using aminated avocado (Persea Americana) seed powder: adsorption/desorption, kinetics, isotherms, thermodynamics, and recycling studies	Y. Vijaya	Chemistry	International Journal of Phytoremediation	2021	1549-7879	https://www.tandfonline.com/journals/bijp20	https://doi.org/10.1080/15226514.2020.1866491	Web of Science
Application of ZnO nanorods as an adsorbent material for the removal of As(III) from aqueous solution: Kinetics, Isotherms and Thermodynamic studies.	Y. Vijaya	Chemistry	International Journal of Industrial Chemistry	2018	2228-5547	https://link.springer.com/journal/40090/volumes-and-issues	https://link.springer.com/article/10.1007/s40090-018-0136-5	Web of Science
Removal of anionic dyes (Reactive Black 5 and Congo Red) from aqueous solutions using Banana Peel Powder as an adsorbent	Y. Vijaya	Chemistry	Ecotoxicology and Environmental Safety	2018	0147-6513	https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety	https://pubmed.ncbi.nlm.nih.gov/29127823/	Web of Science
Performance Evaluation Of Andhra Pragathi Grameena Bank In Andhra	Ch. Srinivasa	Commerce	Aut Aut Research Journal	2021	0005-0601	https://autrj.com/	https://drive.google.com/file/d/1tbfZn	scopus

Pradesh: A Case Study On Nellore District	Rao						KT5ZtKe6dPs385bVAU0h7beT7mK/view	
Status of Health Insurance Schemes In India	Ch. Srinivasa Rao	Commerce	Aut Aut Research Journal	2021	0005-0601	https://autrj.com/	https://drive.google.com/file/d/14doPBg1p8DWo8DQdnVboi6j3pp_KW9jB/view	scopus
A Study on Socio Economic Characteristics of Handloom Weavers in Nellore District of Andhar Pradesh	P. Venkata Rao	Commerce	Aut Aut Research Journal	2020	0005-0601	https://autrj.com/	https://autrj.com/index.php/volume-xi-issue-xi-december-2020/	scopus
Metaheuristic adapted convolutional neural network telugu speaker diarization,	Ande Prasad	Computer Science	Intelligent Decision Technologies	2022	1875-8843	https://content.iospress.com/journals/intelligent-decision-technologies/16/3	https://content.iospress.com/articles/intelligent-decision-technologies/idt211005	scopus
Moving Object Segmentation using Level Set Algorithm with GWO – KFCM Clustering	Ande Prasad	Computer Science	International Journal of Intelligent Engineering & Systems (IJIES)	2020	2185-3118	https://inass.org/publications/	http://www.inass.org/2020/2020123133.pdf	Scopus
Optimal Trained Artificial Neural Network for Telugu Speaker Diarization	Ande Prasad	Computer Science	Evolutionary Intelligence	2020	0967-0912	https://www.springer.com/journal/12065/	https://link.springer.com/article/10.1007/s12065-020-00378-9	Scopus
A Novel Methodology for Retrieving Sketch Based Images by using Generative Models	Ande Prasad	Computer Science	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA)	2019	0886-9367	https://ijaema.com/	https://drive.google.com/file/d/1Qa75JAXN1AHhkkHvHVD0sc7ChhKzk7p3/view	scopus
Dynamic Monitoring of Agricultural Cultivation using IoT and Cloud Mechanism	Ande Prasad	Computer Science	International Journal of Innovative Technology and	2019	2349-5162	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i9/G613405	Scopus

			Exploring Engineering (IJITEE)				8719.pdf	
Ensemble of texture and shape descriptors using Support Vector Machine classification for face recognition	Ande Prasad	Compute r Science	Journal of Ambient Intelligence and Humanized Computing (SPRINGER)	2019	1868-5137	https://www.springer.com/journal/12652	https://link.springer.com/article/10.1007/s12652-019-01192-7	Scopus
Exploration of Crop Production Improvement through Various Agricultural Monitoring Systems	Ande Prasad	Compute r Science	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i11/K21050981119.pdf	Scopus
A Trusted Model using Improved-AODV in MANETS with Packet Loss Reduction Mechanism	Ande Prasad	Compute r Science	Advances in Modelling and Analysis B	2018	1240-4543	https://www.iieta.org/Journals/AMA_B	https://www.iieta.org/journals/ama_b/paper/10.18280/ama_b.610104	Scopus
Current Trends and Challenges Using WSNS in Agricultural Domain – A Review	Ande Prasad	Compute r Science	Journal of Adv Research in Dynamical & Control Systems	2018	1943-023	https://www.jardcs.org/	https://www.researchgate.net/publication/332070912_Current_trends_and_challenges_using_WSNS_in_agricultural_domain_-_a_review	Scopus
An Innovative Security Model to Handle Black Hole Attach in MANET	Ande Prasad	Compute r Science	Lecture Notes on Data Engineering and Communications Technologies (LNDECT)	2017	2367-4512	https://www.springer.com/series/15362	https://link.springer.com/chapter/10.1007/978-981-10-6319-0_15#:~:text=AODV%20is%20most%20widely%20used,transmit%20data%20to%20the%20destination.	Scopus
A Novel Key Management Technique for Secure Data	Ande Prasad	Compute r Science	Ciencia e Tecnica Vitivinicola	2019	2416-3953	http://ciencia-e-	http://ciencia-e-tecnica.org/cien/ind	Web of Science

Communication by Reducing Packet Droppings and Energy Consumption in MANET						tecnica.org/	ex.php/archive/part/34/6/1/?currentVol=34&currentissue=6	
Mapping XML Trees to Relational databases using Efficient data structure for proximity keyword searching	G.Vijaya Lakshmi	Computer Science	Journal of Critical Reviews	2020	2394-5125	http://www.jcreview.com/aboutus.php	https://drive.google.com/file/d/1S5shfT_tYCe0Pje5rY2qBaFbzFKMzdUP/view	Scopus
A comparative study of Keyword searching on XML Trees using compact tree indexing and XR Tree Indexing	G.Vijaya Lakshmi	Computer Science	International Journal of Future Generation Communication and Networking	2020	2233-7857	http://sersc.org/journals/index.php/ijfgcn	http://sersc.org/journals/index.php/IJFGCN/article/view/31583	Web of Science
Deep Learning System to Screen Coronavirus Disease	M.Ussenaiah	Computer Science	Journal of Composition Theory	2020	0731-6755	http://www.jctjournal.com/	https://jctjournal.com/volume-xiii-issue-3-2020	Scopus
Classification of Color Textures Using Region Based Motif and Color Features	M.Ussenaiah	Computer Science	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v9i3/C8839019320.pdf	Scopus
Cuckoo Search and M-Tree based Multicast Ad hoc On-demand Distance Vector Protocol for MANET	M.Ussenaiah	Computer Science	International Journal of Recent Technology and Engineering (IJRTE)	2019	2277-3878	https://www.ijrte.org/	https://www.ijrte.org/wp-content/uploads/papers/v8i2S3/B11640782S319.pdf	Scopus
Efficacy of β -Glucan from Debaryomyces hansenii as an immunostimulant in Litopenaeus vannamei culture	Ch. Vijaya	Marine Biology	Aquaculture (international)	2020	1573-143X	https://www.springer.com/journal/10499	https://link.springer.com/article/10.1007/s10499-021-00678-6	Scopus
A Method of Preservation of Marine Fungi in Sterile Marine Water	Ch. Vijaya	Marine Biology	AJBLS	2020	2278-5957	https://www.ajbls.com	https://www.ajbls.com/article/2020/9/1/99-102	web of science
Bioaccumulation of heavy metal lead (Pb) in different tissues of brackish water fish Mugil cephalus (Linnaeus, 1758)	Ch.Venkatrayulu	Marine Biology	Journal of Applied Biology & Biotechnology	2020	2347-212X	http://jabonline.in/	http://jabonline.in/admin/php/uploads/421_pdf.pdf	web of science

GO incorporated SnO2 nanotubes as fast response sensors for ethanol vapor in different atmospheres	A.Sivasankar Reddy	Physics	Journal of Alloys and Compounds	2020	0925-8388	https://www.sciencedirect.com/	https://www.sciencedirect.com/science/article/abs/pii/S0925838819334978	scopus
The effect of oxygen partial pressure and substrate temperature on the structural and optical properties of ZnO nanowires	A.Sivasankar Reddy	Physics	Journal of optoelectronics and advanced materials	2019	14544164	https://joam.inoe.ro/	https://joam.inoe.ro/articles/the-effect-of-oxygen-partial-pressure-and-substrate-temperature-on-the-structural-and-optical-properties-of-zno-nanowires/fulltext	Scopus
Annealing impact on the structural and optical properties of electrospun SnO2 nanofibers for TCOs	A.Sivasankar Reddy	Physics	Ceramics International	2018	0272-8842	https://www.sciencedirect.com/journal/ceramics-international	https://www.sciencedirect.com/science/article/pii/S0272884217324331	Scopus
Investigation of hydrogen sensing properties of graphene/Al–SnO2 composite nanotubes derived from electrospinning	A.Sivasankar Reddy	Physics	Journal of Industrial and Engineering Chemistry	2018	1226-086X	https://www.sciencedirect.com/journal/journal-of-industrial-and-engineering-chemistry	https://www.sciencedirect.com/science/article/abs/pii/S1226086X18301114	Scopus
Ag doped WO3 nanostructure films for organic volatile gas sensor application	A.Sivasankar Reddy	Physics	Journal of Materials Science: Materials in Electronics	2020	1573-482X	https://www.springerprofessional.de/	https://www.springerprofessional.de/en/ag-doped-wo3-nanostructure-films-for-organic-volatile-gas-sensor/18081750	Web of science
Structural and Electrical Conductivity Studies of PVDF-HFP Film Filled with Tio2 and Nacl for Polymer Semiconductors	Ch. Ramu	Physics	Oriental Journal of Chemistry	2021	2231-5039	http://www.orientjchem.org/	http://www.orientjchem.org/vol37no5/structural-and-electrical-	scopus

							conductivity-studies-of-pvdf-hfp-film-filled-with-tio2-and-nacl-for-polymer-semiconductors/	
Thermal, Structural, Optical and Electrical Conductivity studies of pure and Mn2+ doped PVP films	Ch. Ramu	Physics	South African Journal of Chemical Engineering	2021	2589-0344	https://www.sciencedirect.com/journal/south-african-journal-of-chemical-engineering	https://www.sciencedirect.com/science/article/pii/S1026918520300512	scopus
Effect of K+ ion doping on structural and physical properties of PVA/MAA:EA polymer blend electrolytes.	Ch. Ramu	Physics	Materials Research Innovations	2020	1432-8917	https://www.tandfonline.com/journals/ymri20	https://www.tandfonline.com/doi/abs/10.1080/14328917.2020.1795336	scopus
Thermal, structural, optical and electrical conductivity studies of pure and Fe3+ ions doped PVP films for semiconducting polymer devices	Ch. Ramu	Physics	Materials Research Innovations	2020	1432-8917	https://www.tandfonline.com/journals/ymri20	https://www.tandfonline.com/doi/abs/10.1080/14328917.2020.1744346	scopus
Optical and conductivity studies of Cr3+ doped polyvinyl pyrrolidone polymer electrolytes.	Ch. Ramu	Physics	Journal of Macromolecular Sceice-Prart B	2019	0022-2348	https://www.tandfonline.com/journals/lmsb20	https://www.tandfonline.com/doi/abs/10.1080/00222348.2019.1658372	Scopus
Optical and electrical conductivity studies of VO2+ doped polyvinyl pyrrolidone (PVP) polymer electrolytes.	Ch. Ramu	Physics	Journal of Science: Advanced Materials and Devices	2019	2468-2179	https://www.sciencedirect.com/journal/journal-of-science-advanced-materials-and-devices	https://www.sciencedirect.com/science/article/pii/S2468217919300061	Scopus
Preparation and characterization of pure and copper doped PVC films.	Ch. Ramu	Physics	Journal of Polymer Enginnering	2017	2191-0349	https://www.degruyter.com/journal/key/polyen	https://www.degruyter.com/document/doi/10.1515/polyeng-2015-0446/pdf	scopus

						g/html		
Structural, thermal and optical properties of Mn2+ doped Methacrylic Acid – EthylAcrylate (MAA:EA) copolymer films.	Ch. Ramu	Physics	Zeitschrift für physikalische chemie	2017	0942-9352	https://www.springer.com/journal/12034	https://www.degruyter.com/document/doi/10.1515/zpch-2016-0800/html?lang=en	Scopus
Thermal and conductivity studies of VO2+ doped Methacrylic acid – Ethyl crylate (MAA:EA) copolymer films.	Ch. Ramu	Physics	Materials Research	2017	1980-5373	https://www.scielo.br/j/mr/	https://www.scielo.br/j/mr/a/8TVMByY5WQcxkX4jKVTvL7B/?lang=en	Scopus
Structural and optical properties of VO2+ doped Methacrylic acid Ethylacrylate (MAA:EA) copolymer films.	Ch. Ramu	Physics	Materials Science-Poland	2018	2083-134X	https://materialsscience.pwr.edu.pl/	https://sciendo.com/pdf/10.1515/msp-2018-0014	web of Science
Thermal, Structural, Optical and Electrical Properties of PVA/MAA:EA polymer blend filled with different concentrations of Lithium Perchlorate (LiClO4)	Ch. Ramu	Physics	Journal of Science: Advanced Materials and Devices	2018	2468-2179	https://www.sciencedirect.com/journal/journal-of-science-advanced-materials-and-devices	https://www.sciencedirect.com/science/article/pii/S2468217918301424	web of Science
Thermal, Structural, Optical and Electrical Conductivity studies of pure and Mn2+ doped PVP films	N.O. Gopal	Physics	South African Journal of Chemical Engineering	2021	2589-0344	https://www.sciencedirect.com/journal/south-african-journal-of-chemical-engineering	https://www.sciencedirect.com/science/article/pii/S1026918520300512	scopus
Thermal, structural, optical and electrical conductivity studies of pure and Fe3+ ions doped PVP films for semiconducting polymer devices	N.O. Gopal	Physics	Materials Research Innovations	2020	1432-8917	https://www.tandfonline.com/journals/ymri20	https://www.tandfonline.com/doi/abs/10.1080/14328917.2020.1744346	scopus
Optical and conductivity studies of Cr3+ doped polyvinyl pyrrolidone polymer electrolytes.	N.O. Gopal	Physics	Journal of Macromolecular Sceice-Prart B	2019	0022-2348	https://www.tandfonline.com/journals/lmsb20	https://www.tandfonline.com/doi/abs/10.1080/00222348.2019.1658372	Scopus

Optical and electrical conductivity studies of VO2+ doped polyvinyl pyrrolidone (PVP) polymer electrolytes.	N.O. Gopal	Physics	Journal of Science: Advanced Materials and Devices	2019	2468-2179	https://www.sciencedirect.com/journal/journal-of-science-advanced-materials-and-devices	https://www.sciencedirect.com/science/article/pii/S2468217919300061	Scopus
Spectroscopic, thermal, structural and electrical studies on VO2+ ions doped PVA/MAA:EA polymer blend films.	N.O. Gopal	Physics	Journal of Science: Advanced Materials and Devices	2019	2468-2179	https://www.sciencedirect.com/	https://www.sciencedirect.com/science/article/pii/S2468217918302478	Scopus
Solution combustion synthesis and characterization of phosphorus doped TiO2–CeO2 nanocomposite for photocatalytic applications	N.O. Gopal	Physics	Materials Science & Engineering B	2018	0921-5107	https://www.sciencedirect.com/journal/materials-science-and-engineering-b	https://www.sciencedirect.com/science/article/abs/pii/S0921510718300862	Scopus
Structural, Optical and Thermal Characterizations of PVA/MAA:EA Polyblend Films	N.O. Gopal	Physics	Materials Research	2018	1980-5373	https://www.scielo.br/j/mr/	https://www.scielo.br/j/mr/a/3BkqHRmQv8WnmrLsnNmxbnr/?lang=en	Scopus
Synthesis and investigations on correlation between EPR and optical properties of Fe doped Li2SiO3	N.O. Gopal	Physics	Journal of Non-Crystalline Solids	2018	0022-3093	https://www.sciencedirect.com/journal/journal-of-non-crystalline-solids	https://www.sciencedirect.com/science/article/abs/pii/S0022309318304800	Scopus
TiO2 nano-flakes with high activity obtained from phosphorus doped TiO2 nanoparticles by hydrothermal method	N.O. Gopal	Physics	Ceramics International	2018	0272-8842	https://www.sciencedirect.com/journal/ceramics-international	https://www.sciencedirect.com/science/article/pii/S0272842183240 9X	Scopus
Preparation and characterization	N.O. Gopal	Physics	Journal of	2017	2191-	https://ww	https://www.degru	scopus

of pure and copper doped PVC films.			Polymer Enginnering		0349	w.degruyter.com/journal/key/polyeng/html	yter.com/document/doi/10.1515/polyeng-2015-0446/pdf	
Structural, thermal and optical properties of Mn2+ doped Methacrylic Acid – EthylAcrylate (MAA:EA) copolymer films.	N.O. Gopal	Physics	Zeitschrift für physikalische chemie	2017	0942-9352	https://www.springer.com/journal/12034	https://www.degruyter.com/document/doi/10.1515/zpch-2016-0800/html?lang=en	Scopus
Thermal and conductivity studies of VO2+ doped Methacrylic acid – Ethyl crylate (MAA:EA) copolymer films.	N.O. Gopal	Physics	Materials Research	2017	1980-5373	https://www.scielo.br/j/mr/	https://www.scielo.br/j/mr/a/8TVMByY5WQcxkX4jKVTvL7B/?lang=en	Scopus
Structural and optical properties of VO2+ doped Methacrylic acid Ethylacrylate (MAA:EA) copolymer films.	N.O. Gopal	Physics	Materials Science-Poland	2018	2083-134X	https://materialsscience.pwr.edu.pl/	https://sciendo.com/pdf/10.1515/msp-2018-0014	web of Science
Thermal, Structural, Optical and Electrical Properties of PVA/MAA:EA polymer blend filled with different concentrations of Lithium Perchlorate (LiClO4)	N.O. Gopal	Physics	Journal of Science: Advanced Materials and Devices	2018	2468-2179	https://www.sciencedirect.com/journal/journal-of-science-advanced-materials-and-devices	https://www.sciencedirect.com/science/article/pii/S2468217918301424	web of Science
Phosphorus and boron codoping into TiO2 nanoparticles; an avenue for enhancing the visible light photocatalytic activity.	N.O. Gopal	Physics	J. Mater. Sci.: Mater. Electron.	2017	0957-4522	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-016-5618-7	web of Science
Structural, thermal and optical properties of Cu2+ doped Methacrylic Acid – Ethyl Acrylate (MAA:EA) copolymer films.	N.O. Gopal	Physics	Bullettin of Materials Science	2017	0973-7669	https://www.springer.com/journal/12034	https://www.ias.ac.in/article/fulltext/boms/040/05/0877-0886	web of Science
A study on tourism development in nellore district –with reference to andhra pradesh	K.V.S.N. Jawahar Babu	Tourism Management	Turkish Online Journal of Qualitative Inquiry	2021	1309-6591	https://www.tojqi.net/	https://www.tojqi.net/index.php/journal/article/view/6169	scopus
An empirical study on challenges and prospects of andhra pradesh	K.V.S.N. Jawahar	Tourism Manage	Journal of Interdisciplinary	2021	0022-1945	https://jicrjournal.com/in	https://drive.google.com/file/d/1h2x8k	scopus

tourism with reference to nellore district	Babu	ment	cycle research			dex.php/volume-13-issue-1-january-2021/	F9DwS6CzyjeXGmzJV34jntaVlcb/view	
Prospects and emerging challenges in providing infrastructural facilities for promoting tourism destination- with reference to andhra pradesh	K.V.S.N. Jawahar Babu	Tourism Management	The International Journal of Analytical and experimental modal analysis	2020	0886-9367	https://ijaema.com/	https://drive.google.com/file/d/1UQhWWErNC8kgRoaDK0-_Efxvr8Bhoes9/view	scopus
Evaluation of Antimicrobial Activity of Aryl/Alkyl Cyanamides and Substituted Tetrazole Compounds	Kota Neela Manikanta	Tourism Management	Russian Journal of Bioorganic Chemicals	2022	1068-1620	https://www.springer.com/journal/11171	https://link.springer.com/article/10.1134/S1068162022020200	Scopus
In Silico, Modeling and Docking Analysis of CTX-M-5, Cefotaxime-Hydrolyzing β-Lactamase from Human-Associated Salmonella Typhimurium.	Kota Neela Manikanta	Tourism Management	Journal of Pharmacology and Pharmacotherapeutics	2022	0976-500X	https://journals.sagepub.com/home/PHA	https://journals.sagepub.com/doi/full/10.1177/0976500X221109721	Scopus
In vitro anti-protozoan activity of methanolic extracts of Caralluma Procumbens against Tritrichomonas foetus	Kota Neela Manikanta	Tourism Management	Current Trends in Biotechnology and Pharmacy	2022	2230-7303	https://www.abap.co.in/index.php/home/index	https://abap.co.in/index.php/home/article/view/385	Scopus
Recent asdvances in engineering crop plants for resistance to insect pests	Kota Neela Manikanta	Tourism Management	Egyptian Journal of Biological Pest Control,	2021	2536-9342	https://ejbpc.springeropen.com/	https://ejbpc.springeropen.com/articles/10.1186/s41938-021-00465-8	Scopus
Traditional Rice Beer of Assam, North East India	Kota Neela Manikanta	Tourism Management	Annals of the Romanian Society for Cell Biology	2021	1583-6258	https://www.annalsofrscb.ro/index.php/journal	http://www.annalsofrscb.ro/index.php/journal/article/view/8308/6103	Scopus
Tourist Safety and Revisit Intention of Tourist Visiting Andhra Pradesh	Kota Neela Manikanta	Tourism Management	Journal of Critical Reviews	2020	2394-5125	https://www.jcreview.com/	http://www.annalsofrscb.ro/index.php/journal/article/view/8308/6103	scopus
Analysis of drug resistance mutations in pulmonary Mycobacterium tuberculosis	Kota Neela Manikanta	Tourism Management	The Brazilian Journal of Infectious	2019	1413-8670	https://www.sciencedirect.com/jour	https://pubmed.ncbi.nlm.nih.gov/31421108/	scopus

isolates in the Southern coastal region of Andhra Pradesh, India			Diseases			nal/the-brazilian-journal-of-infectious-diseases		
Tourist Perception: Risk, Anxiety, Safety and Revisit Intention with Reference To Destination's in Andhra Pradesh	Kota Neela Manikanta	Tourism Management	Restaurant Business	2019	0097-8043	http://rbjournal.org/index.php/rb/index	http://rbjournal.org/index.php/rb/article/view/15138	scopus
Machine Learning Algorithm: Multiple Linear Regression Analysis on Employee Job Performance using R-Programming	M.Thyagaraju	Tourism Management	Design Engineering	2022	0011-9343	http://www.thedesignengineering.com/index.php/DE	http://www.thedesignengineering.com/index.php/DE/article/view/5982	Scopus
The Mediating Role of Career Planning and Development-Human Resource Development Practices between Training and Development-Performance Appraisal-Employee Compensation and Quality of Work Life	M.Thyagaraju	Tourism Management	Design Engineering	2021	0011-9342	http://www.thedesignengineering.com/index.php/DE	http://www.thedesignengineering.com/index.php/DE/article/view/8132	scopus
Marketing strategies for Promoting Medical tourism In Andhra Pradesh	M.Thyagaraju	Tourism Management	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersc.org/journals/index.php/IJAST	http://sersc.org/journals/index.php/IJAST/article/view/20086	scopus
Measuring the factors affecting on work life balance with references to tour and travel agency in Emerging Andhra Pradesh	P.Sujatha	Tourism Management	International Journal of Advanced Science and Technology	2020	2005-4238	http://sersc.org/journals/index.php/IJAST	http://sersc.org/journals/index.php/IJAST/article/view/24693	scopus
Job Satisfaction and Employee Engagement- Contemporary tools to eliminate Stress among workforce in an organization	P.Sujatha	Tourism Management	International Journal of Recent Technology and Engineering	2019	2277-3878	https://www.ijrte.org/	https://www.ijrte.org/wp-content/uploads/papers/v8i3/C4571098319.pdf	scopus
Tourist Safety and Revisit Intention of Tourist Visiting Andhra Pradesh	Kota Neela Mani Kanta	Tourism Management	Journal of Critical Reviews	2020	2394-5125	https://www.jcreview.com/	https://www.jcreview.com/issue.php?volume=Volume%20	scopus

							7%20&issue=Issue-19&year=2020	
Analysis of drug resistance mutations in pulmonary Mycobacterium tuberculosis isolates in the Southern coastal region of Andhra Pradesh, India	Kota Neela Mani Kanta	Tourism Management	The Brazilian Journal of Infectious Diseases	2019	1413-8670	https://www.sciencedirect.com/journal/the-brazilian-journal-of-infectious-diseases	https://pubmed.ncbi.nlm.nih.gov/31421108/	scopus
Phenotypic and trascriptomic changes in Zebrafish (Danio rerio) embroys/larvae following cypermethrin exposure	P. Gopi Krishna	Zoology	Chemosphere	2020	0045-6535	https://www.sciencedirect.com/journal/chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653520303416?via%3Dihub	Scopus
Synthesis, Characterization of [Co (BDC)(Phen) H2O] and [Co (BDC)(DABCO)] MOFs, π.. π Interactions, Hirshfeld Surface Analysis and Biological Activity	P. Gopi Krishna	Zoology	Journal of Inorganic and Organometallic Polymers and Materials	2021	1574-1451	https://www.springer.com/journal/10904	https://link.springer.com/article/10.1007/s10904-020-01800-6	web of science
Effect of cypermethrin on reproductive efficacy inzebrafish (Danio rerio): In-vivo and in-silico studies	P. Gopi Krishna	Zoology	Journal of Environmental Biology	2019	0254-8704	http://jeb.co.in/	https://www.researchgate.net/publication/336170998_Effect_of_cypermethrin_on_Reproductive_efficacy_in_zebrafish_Danio_rerio_In_vivo_and_in_silico_studies	web of science
Photosynthetic microorganisms (Algae) mediated bioelectricity generation in microbial fuel cell: Concise review	P.Sudhakar Reddy	Zoology	Environmental Technology & Innovation	2020	2352-1864	https://www.sciencedirect.com/journal/environmental-technology-and-innovation	https://www.sciencedirect.com/science/article/abs/pii/S2352186420307227?via%3Dihub	scopus
Electrochemical Analysis of Novel Schiff's Based containing a coumarin moiety.	P.Sudhakar Reddy	Zoology	Der Pharma Chemica	2018	0975-413X	https://www.derpharmachemica.co	https://www.derpharmachemica.com/pharma-	scopus

						m/	chemica/electrochemical-analysis-of-novel-schiffs-bases-containing-a-coumarin-moiety-15491.html	
Role of Tylophora indica in treatment of bronchial Asthma .	V. Sailaja	Zoology	International Journal of Life Science and Pharma Research	2017	2250-0480	https://www.ijlpr.com/index.php/journal	https://www.ijlpr.com/index.php/journal/article/view/1082	web of science

DVV Clarification on Metric ID: 3.4.5

DVV Comment: 3. Provide screenshots of research articles clearly showing the title of the article, affiliation, name of the journal, year and authors name.

HEI Response: provided the screenshots of research articles.

PHYSICS

JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 21, No. 1-2, January – February 2019, p. 116-120

The effect of oxygen partial pressure and substrate temperature on the structural and optical properties of ZnO nanowires

B. SUDHA REDDY[1*], S. UTHANNA[2], T. SRIKANTH[3], A. SIVASANKAR REDDY[4], B. HAZIRA KHANUM[1]
[1]Department of Physics, Sri Venkateswara University, Tirupati-517 502, India
[2]Department of Physics, Vikrama Simhapuri University PG Center, Kavali-524 201, India
[3]Department of Physics, VBKR Institute of Science and Technology, Vijayanagar-524 410, India

In the paper ZnO thin films were prepared by radio frequency reactive magnetron sputtering on p-type silicon (100) and glass substrates by varying the different substrate temperatures and different oxygen partial pressure and study the structural, compositional, microstructural, morphological and optical properties by X-ray diffraction, scanning electron microscope, atomic microscopy and UV-Vis-NIR spectrophotometer. The X-Ray diffraction results confirmed that the films consists of ZnO crystal of (100), (002) and (101). The Fourier transform infrared spectrum confirms the presence of Zn-O bonding at wave number of 413 cm^{-1}. The SEM analysis confirms that the films formed at oxygen partial pressure of 9x10^{-2} Pa, the nanowires were formed parallel to the surface layer and the nanorodes were formed perpendicular to the surface of the film. The optical transmittance data reveals the average transmittance in the visible range more than 84 % for all the films. The optical band gap of ZnO films increased from 3.24 to 3.14 eV with increase of oxygen partial pressures.

(Received: April 13, 2018; accepted: February 12, 2019)

Keywords: Zinc oxide, Sputtering, Nanostructures, Nanowires, Optical properties

1. Introduction

Zinc oxide (ZnO) has wide band gap of 3.37 eV and huge exciton binding energy of 60 meV at room temperature [1]. ZnO thin films have been investigated due to their potential applications such as transparent conducting films [2], light emitting diodes, laser systems [3], surface acoustic wave devices, optical device, solar cells and gas sensors [4]. Zinc oxide has received much attention due to its unique electrical and optical properties. ZnO can be obtained in a variety of nanostructures including nanorods, nanobelts, nanotubes, nanowires and nanoribbons under specific growth conditions. ZnO nanostructures have played an attractive role in nanodevices like nanogas sensors because of large surface area; enhance the sensing properties of the gas sensors [5]. ZnO nanowires are believed to be a good candidate for gas sensing applications due to its specific area, fine particle size and the quantum confinement properties [6]. Recently, nanocrystalline ZnO thin films used as gas sensors due to their chemical stability, non-toxicity and low cost. Thin films of ZnO were prepared simplicity and possibility of obtaining good preferred orientations at low deposition temperatures and uniform films on large area substrates. The properties of sputtered films are highly influenced by the various process parameters such as substrate temperature, sputter power, sputter pressure, substrate bias and oxygen flow rate. In the present investigation, nanostructure ZnO thin films were prepared by RF magnetron sputtering technique at different substrate temperatures and oxygen partial pressures and studied the structural, compositional, microstructure, morphological and optical properties of the as-deposited films.

2. Experimentation

2.1. Thin film preparation

ZnO thin films were deposited on silicon and corning glass substrates using RF reactive magnetron sputtering method. Metallic zinc target of 3 cm diameter and 5 mm thick was used for deposition of the films. The magnetron


Ceramics International
Annealing impact on the structural and optical properties of electrospun SnO_2 nanofibers for TCOs
Abstract

Investigation of hydrogen sensing properties of graphene/Al–SnO_2 composite nanotubes derived from electrospinning

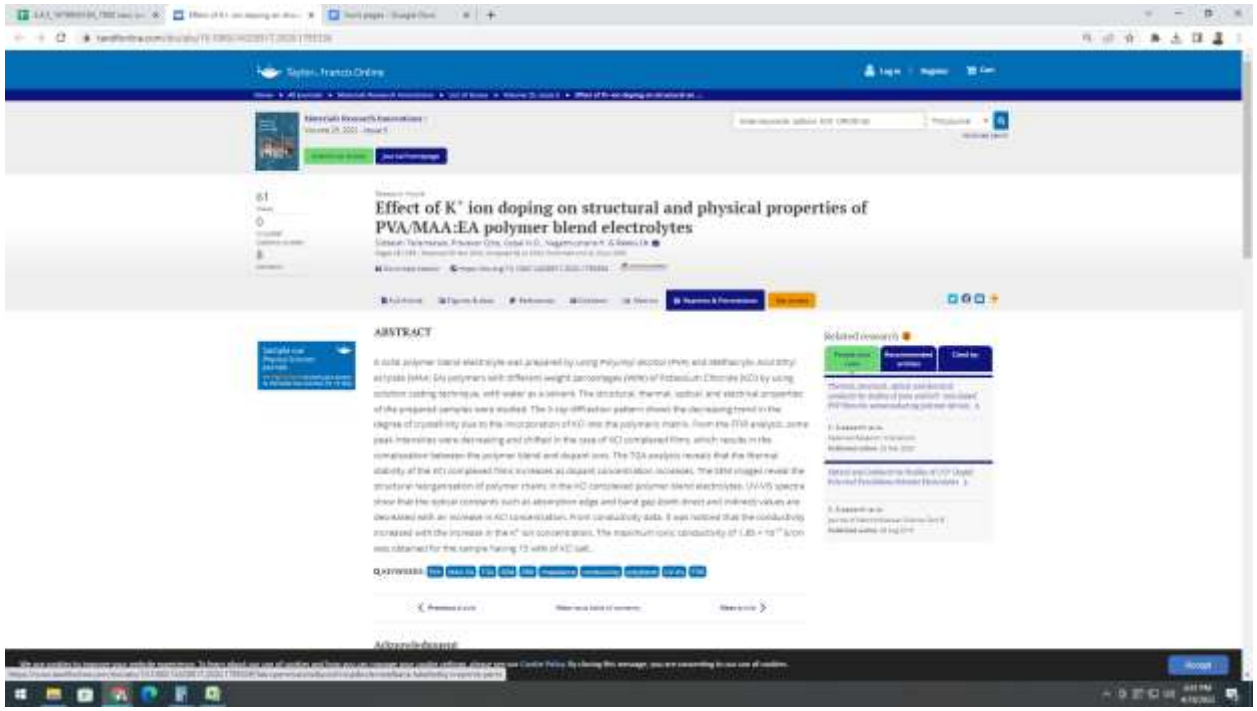
Abstract

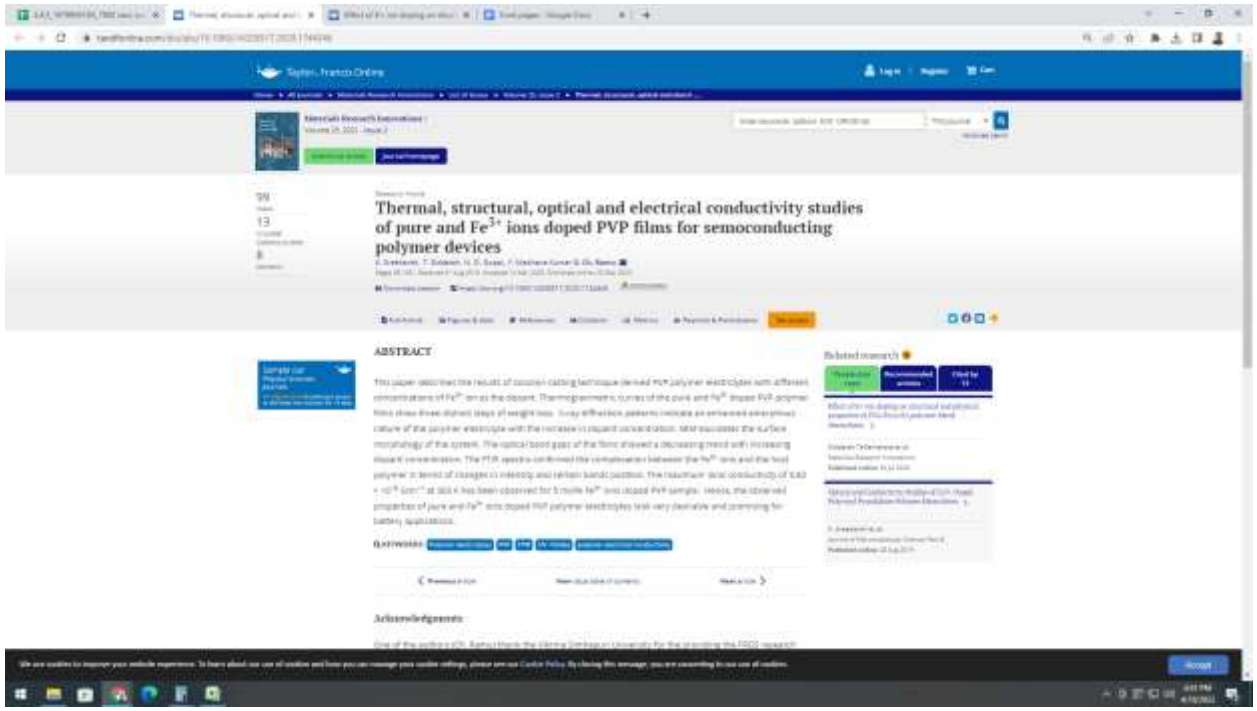
Investigation of hydrogen sensing properties of graphene/Al–SnO_2 composite nanotubes derived from electrospinning

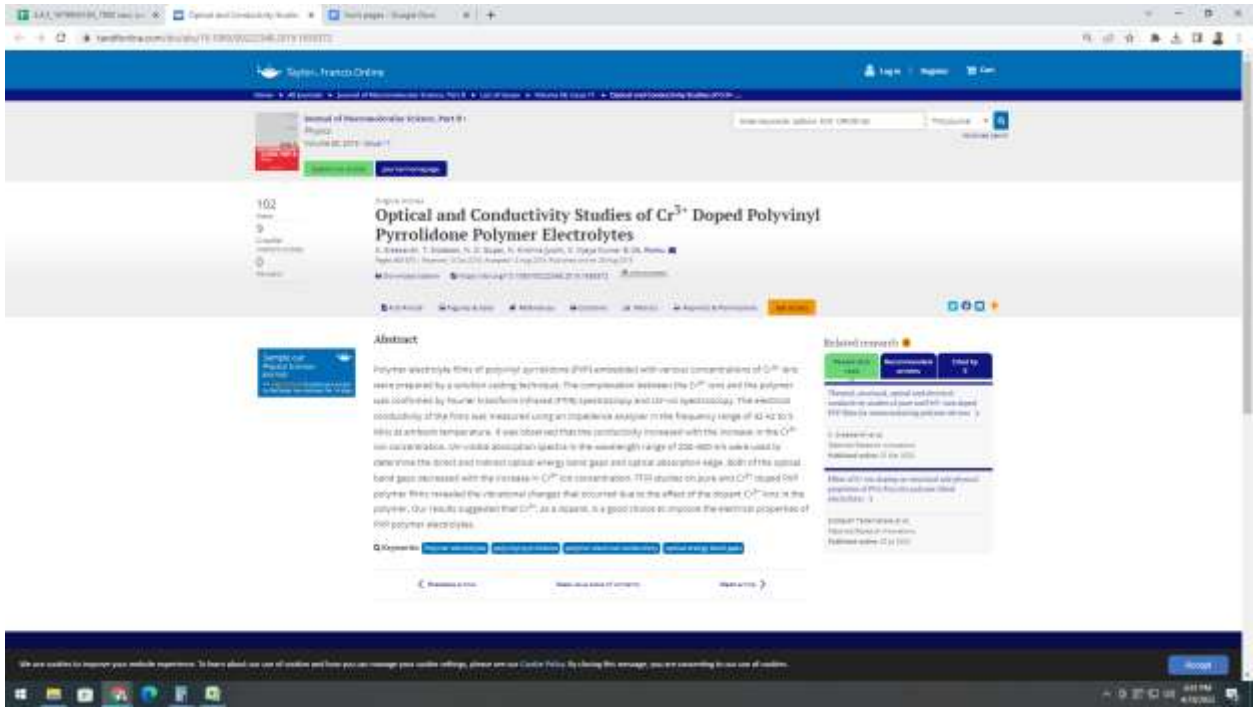
Abstract

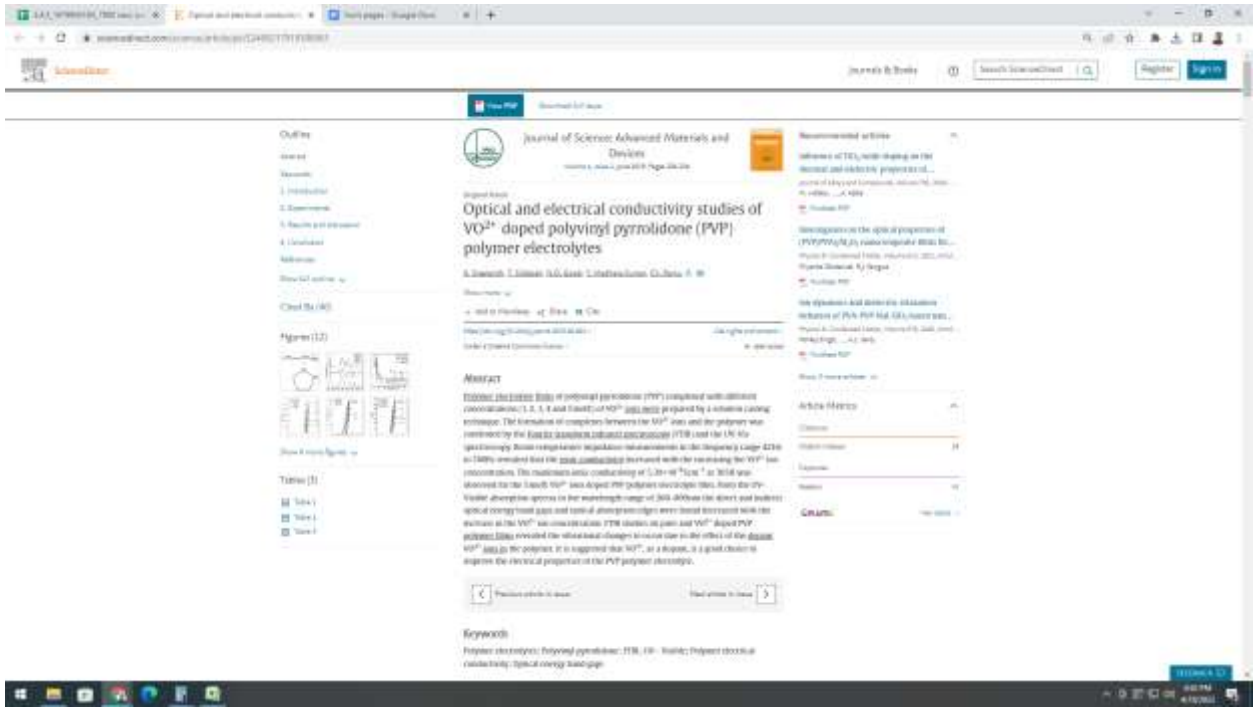

Oriental Journal of Chemistry
An International Research Journal of Pure & Applied Chemistry
Structural and Electrical Conductivity Studies of PVDF-HFP Film Filled with Tio2 and Nacl for Polymer Semiconductors
A New Edition of Web of Science
Journal is Indexed in
CABELLS
National Academy of Agricultural Sciences, India 2022 NAAS Score: 5.25
CNKI SCHOLAR
Journal Archived in:
PORTICO
News & Events

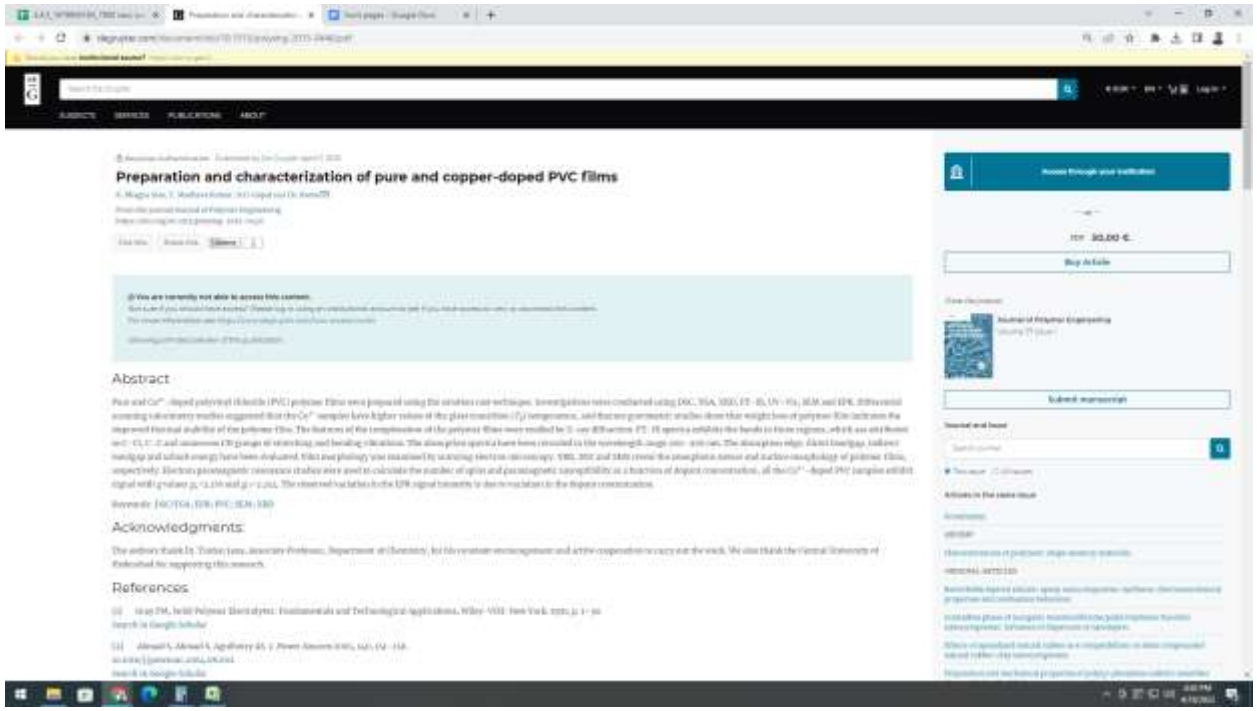

South African Journal of Chemical Engineering
Thermal, Structural, Optical and Electrical Conductivity studies of pure and Mn2+ doped PVP films
Highlights
Abstract


Effect of K+ ion doping on structural and physical properties of PVA/MAA:EA polymer blend electrolytes
ABSTRACT


Taylor & Francis Online
Thermal, structural, optical and electrical conductivity studies of pure and Fe^{3+} ions doped PVP films for semoconducting polymer devices
ABSTRACT
Related research
Acknowledgements


Optical and Conductivity Studies of Cr^{3+} Doped Polyvinyl Pyrrolidone Polymer Electrolytes
Abstract


Journal of Science: Advanced Materials and Devices
Optical and electrical conductivity studies of VO^{2+} doped polyvinyl pyrrolidone (PVP) polymer electrolytes
Abstract
Keywords

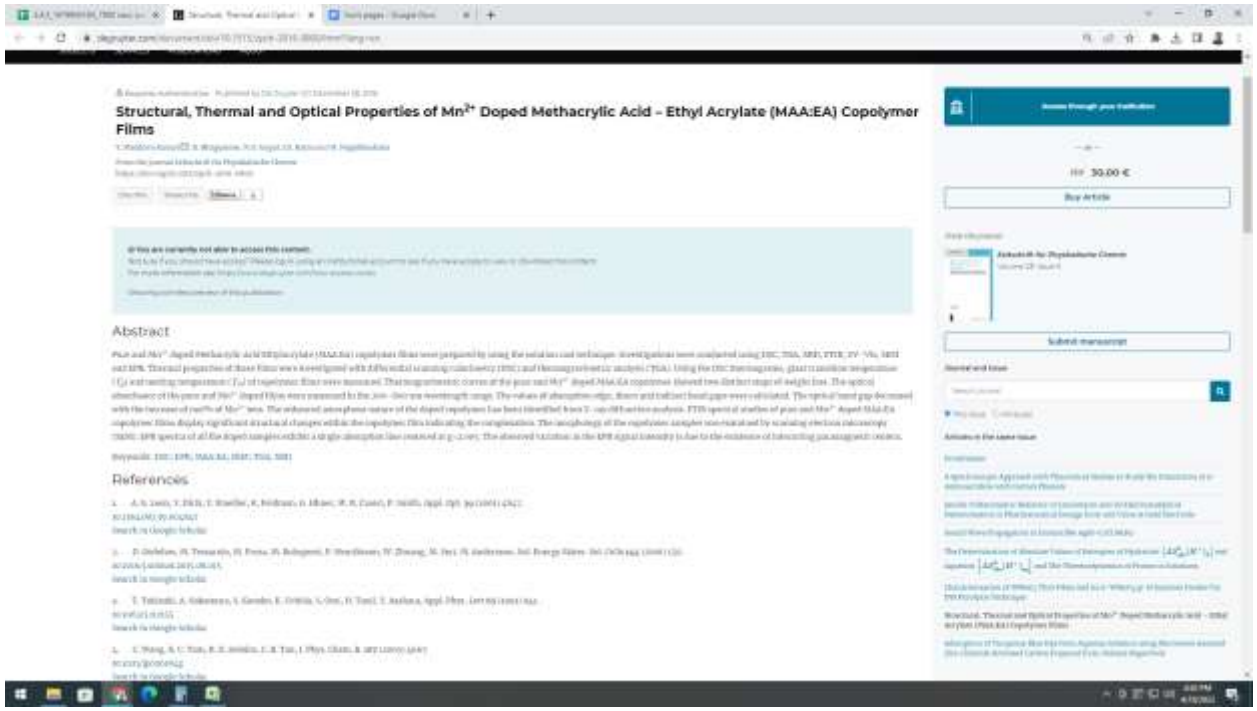


Preparation and characterization of pure and copper-doped PVC films

Abstract

Acknowledgments

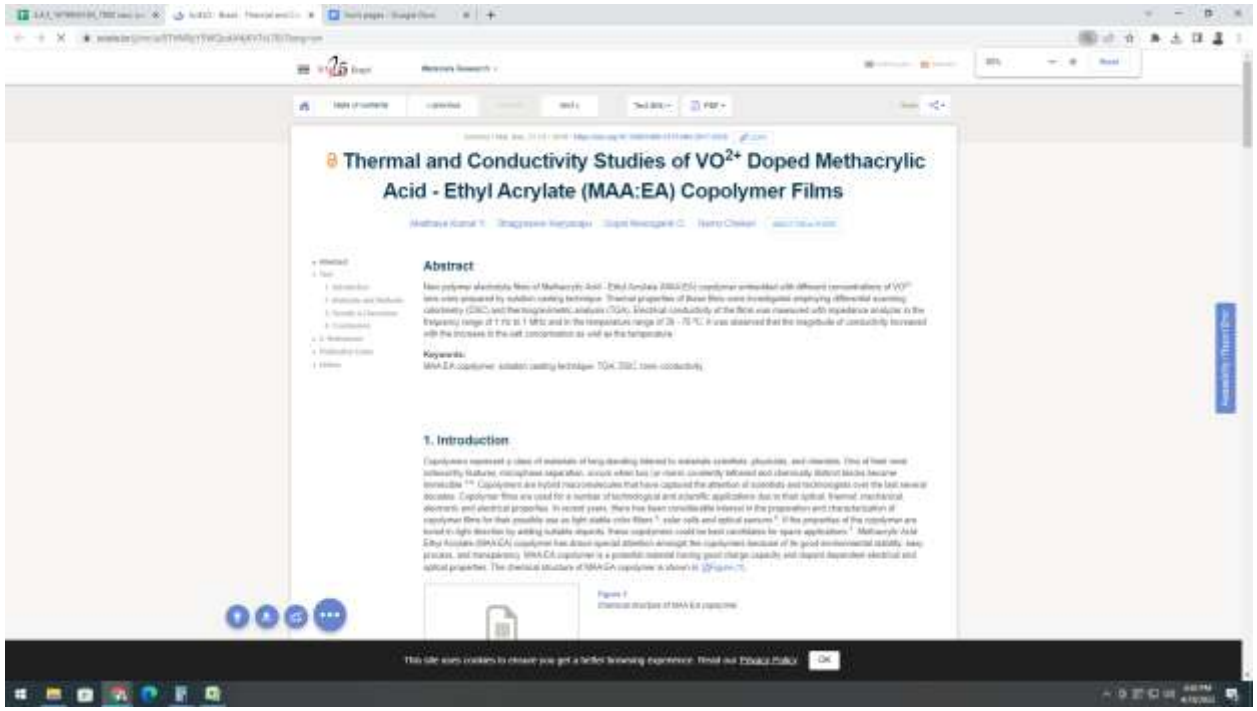
References



Structural, Thermal and Optical Properties of Mn^{2+} Doped Methacrylic Acid – Ethyl Acrylate (MAA:EA) Copolymer Films

Abstract

References

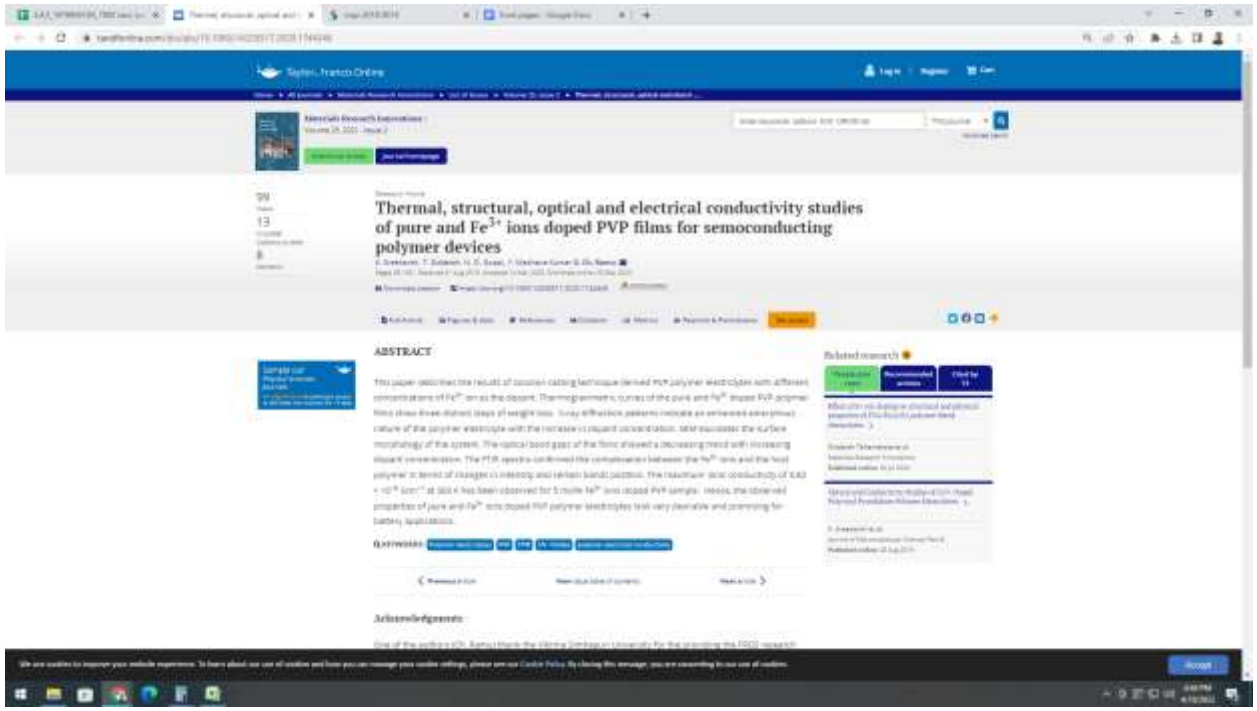

Thermal and Conductivity Studies of VO^{2+} Doped Methacrylic Acid - Ethyl Acrylate (MAA:EA) Copolymer Films
Abstract
1. Introduction

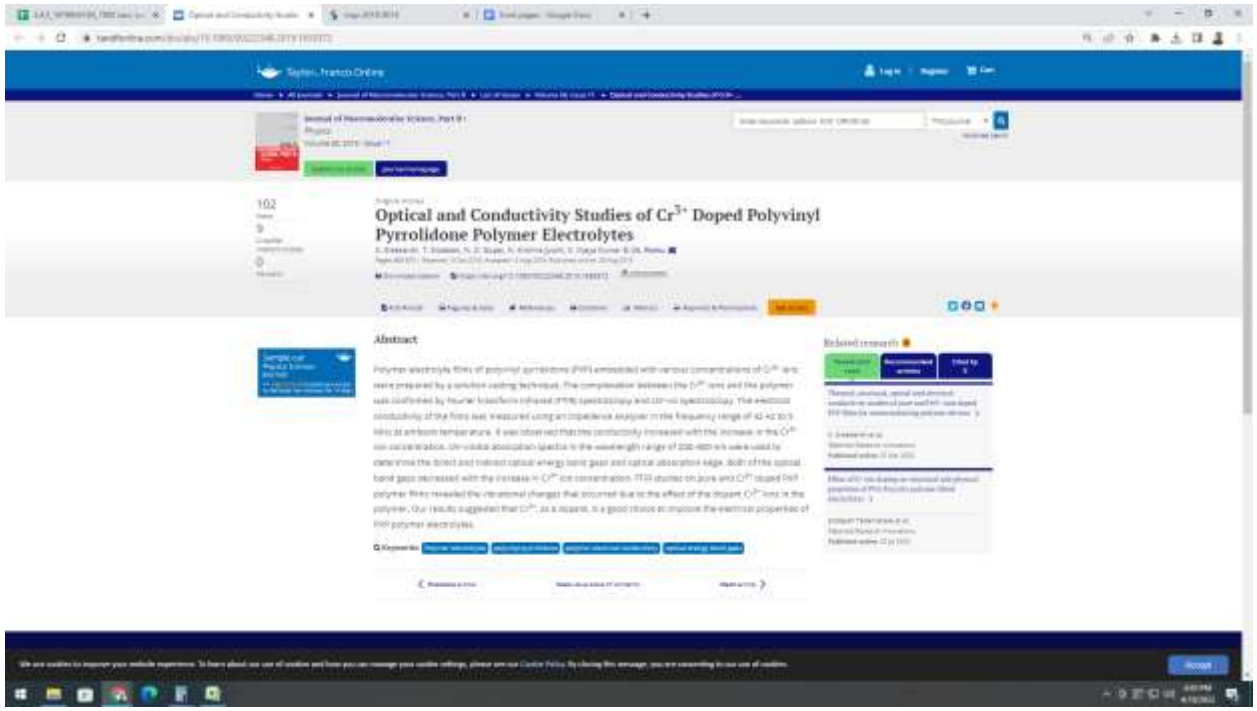
Structural and optical properties of VO^{2+} doped methacrylic acid ethylacrylate (MAA:EA) copolymer films

1. Introduction


Journal of Science: Advanced Materials and Devices
Thermal, structural, optical and electrical properties of PVA/MAA:EA polymer blend filled with different concentrations of Lithium Perchlorate
Abstract


South African Journal of Chemical Engineering
Thermal, Structural, Optical and Electrical Conductivity studies of pure and Mn2+ doped PVP films
Highlights
Abstract


Taylor & Francis Online
Thermal, structural, optical and electrical conductivity studies of pure and Fe^{3+} ions doped PVP films for semoconducting polymer devices
ABSTRACT
Related research
Acknowledgments


Optical and Conductivity Studies of Cr^{3+} Doped Polyvinyl Pyrrolidone Polymer Electrolytes
Abstract


Journal of Science: Advanced Materials and Devices
Optical and electrical conductivity studies of VO^{2+} doped polyvinyl pyrrolidone (PVP) polymer electrolytes
Abstract
Keywords


Journal of Science: Advanced Materials and Devices
Spectroscopic, thermal, structural and electrical studies on VO^{2+} ions doped PVA/MAA:EA polymer blend films
Abstract
Keywords

Materials Science and Engineering: B

Solution combustion synthesis and characterization of phosphorus doped TiO_2–CeO_2 nanocomposite for photocatalytic applications

Abstract

Introduction


Structural, Optical and Thermal Characterizations of PVA/MAA:EA Polyblend Films
Abstract
1. Introduction
This site uses cookies to ensure you get a better browsing experience. Read our Privacy Policy
OK


Journal of Non-Crystalline Solids
Synthesis and investigations on correlation between EPR and optical properties of Fe doped Li_2SiO_3
Abstract
Keywords

Ceramics International

TiO_2 nano-flakes with high activity obtained from phosphorus doped TiO_2 nanoparticles by hydrothermal method

Abstract

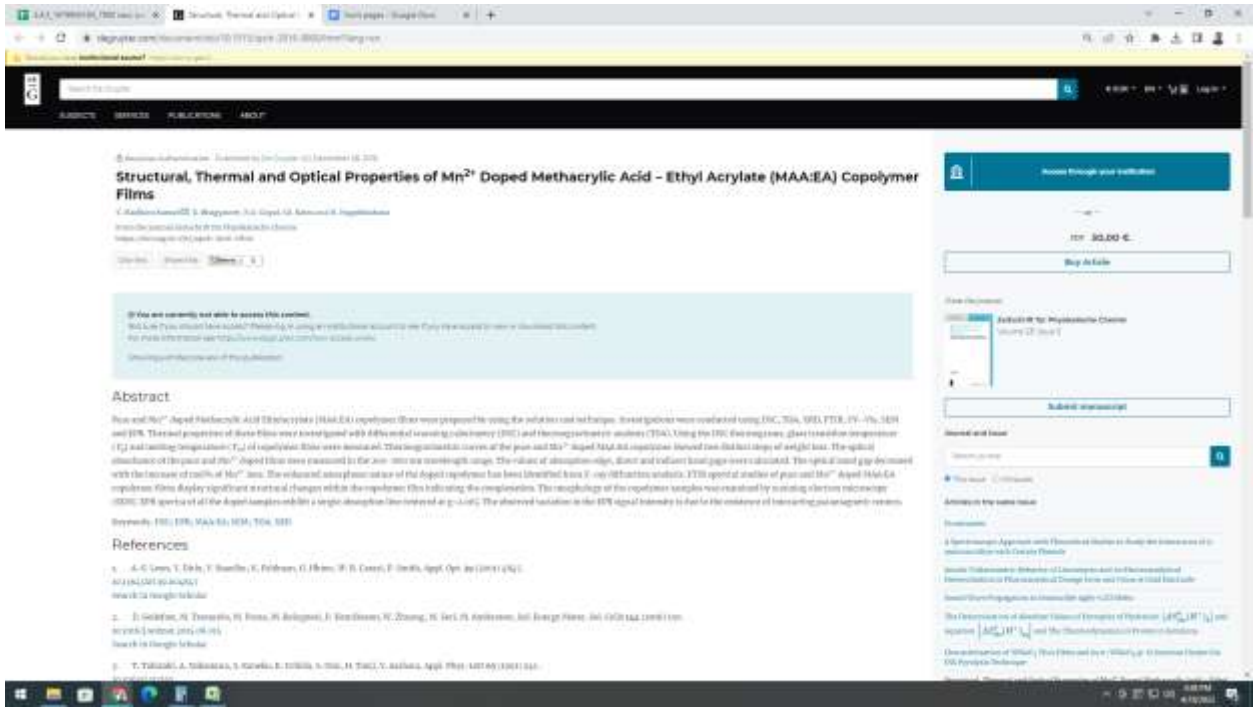
Introduction

Ceramics International

TiO_2 nano-flakes with high activity obtained from phosphorus doped TiO_2 nanoparticles by hydrothermal method

Abstract

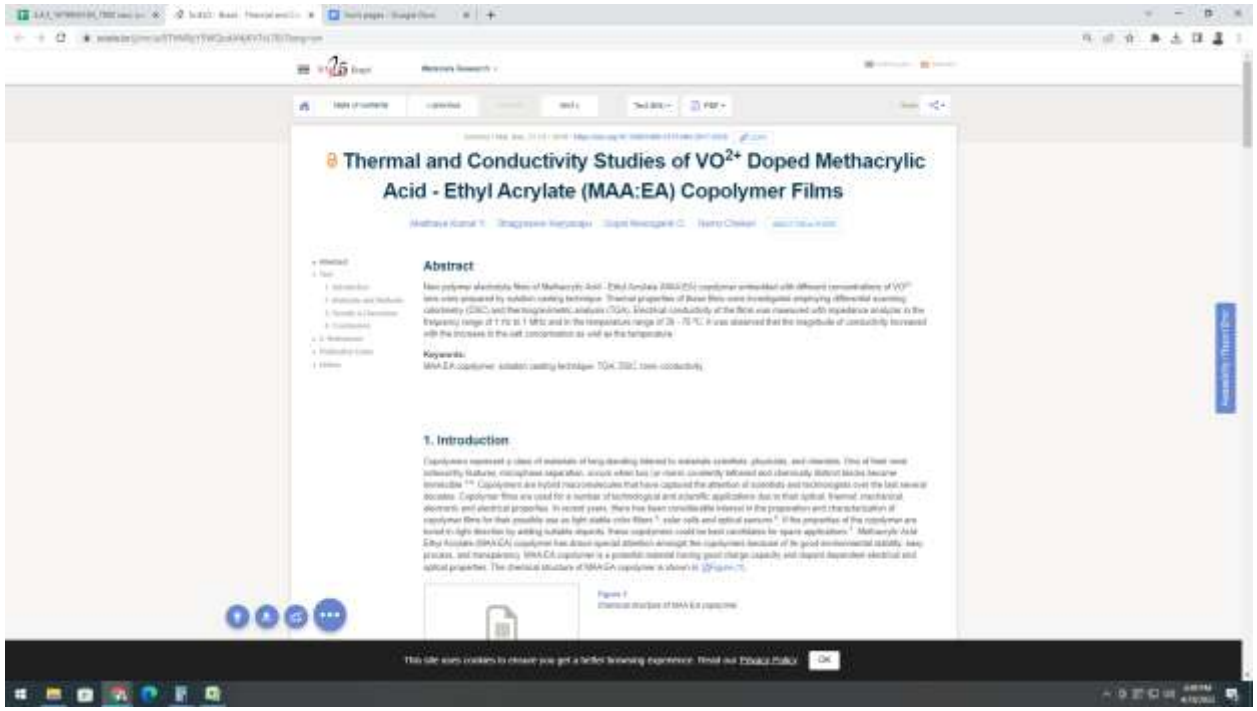
Introduction



Structural, Thermal and Optical Properties of Mn^{2+} Doped Methacrylic Acid – Ethyl Acrylate (MAA:EA) Copolymer Films

Abstract

References


Thermal and Conductivity Studies of VO^{2+} Doped Methacrylic Acid - Ethyl Acrylate (MAA:EA) Copolymer Films
Abstract
1. Introduction

Structural and optical properties of VO^{2+} doped methacrylic acid ethylacrylate (MAA:EA) copolymer films

T. Mahanta Kumar, K. Divakarbabu, N.D. Gopal, Ch. Rabi*

Department of Physics, Vikrama Simhapuri University, PO Centre, Kavali 524201, India.

Pure and VO^{2+} doped methacrylic acid ethylacrylate (MAA:EA) copolymer films were prepared by using a solution casting method. Various techniques including X-ray diffraction, Fourier transform infrared spectroscopy, ultraviolet-visible spectroscopy, scanning electron microscopy and electron paramagnetic resonance were employed for characterization of the samples. XRD patterns showed some degree of crystallinity of the doped polymer films due to interaction of the MAA:EA copolymer with VO^{2+}. FT-IR spectral studies of pure and VO^{2+} doped MAA:EA copolymer films displayed significant structural changes within the doped copolymer film indicating the complexation. The optical absorbance of the pure and VO^{2+} doped films were measured in the 200 nm to 800 nm wavelength range. The values of the absorption edge and indirect band gaps were calculated. The optical band gap decreased with the increase of dopOL of VO^{2+}. From the EPR spectra, the spin Hamiltonian parameters ($g_{\parallel}$ and $A_{\parallel}$) were evaluated. The values of the spin Hamiltonian parameters confirmed that the ion(s) were present as MAA:EA copolymer films as VO^{2+} molecular ions in an octahedral site with a tetragonal compression ($g_{\parallel} < g_{\perp}$). The morphology of the copolymer samples was examined by scanning electron microscopy. The spherical crystalline nature of the doped copolymers was identified from SEM analysis.

Keywords: absorption edge; defect; band gap; indirect band gap; methacrylic acid ethylacrylate; electron paramagnetic resonance

1. Introduction

Copolymers are hybrid macromolecules that have attracted the attention of scientists and technologists over the last several decades. Copolymer films are used in a number of technological and scientific applications due to their optical, thermal, mechanical, electronic and electrical properties. In recent years, there has been a considerable interest in the preparation and characterization of copolymer films for their possible use in light stable color filters [1] as well as solar cells and optical sensors [2]. If the properties of a copolymer are tuned in the right direction by adding suitable dopants, this copolymer could be an appropriate candidate for space applications [3].

The interaction of a copolymer with oppositely charged dopants has been extensively studied because of its complex behavior. The interaction between an oppositely charged polymer and dopant is usually strong because of Coulombic attractive forces. The binding is generally considered as an electrostatic binding via ion exchange interactions. Typically, the electrostatic interaction is reinforced by dopant or the cooperative aggregation between alkyl chains of the dopant and hydrophobic segments of the copolymer chains [4, 5]. On the other hand, the complexation of a copolymer with a weak cationic dopant, such as partially neutralized or unneutralized polycarboxylic acid, has also been extensively studied. Because of the industrial applications [6, 7], this system has a potential ability to the control of chemical reactivity, drug delivery and nano-specific binding of DNA [8].

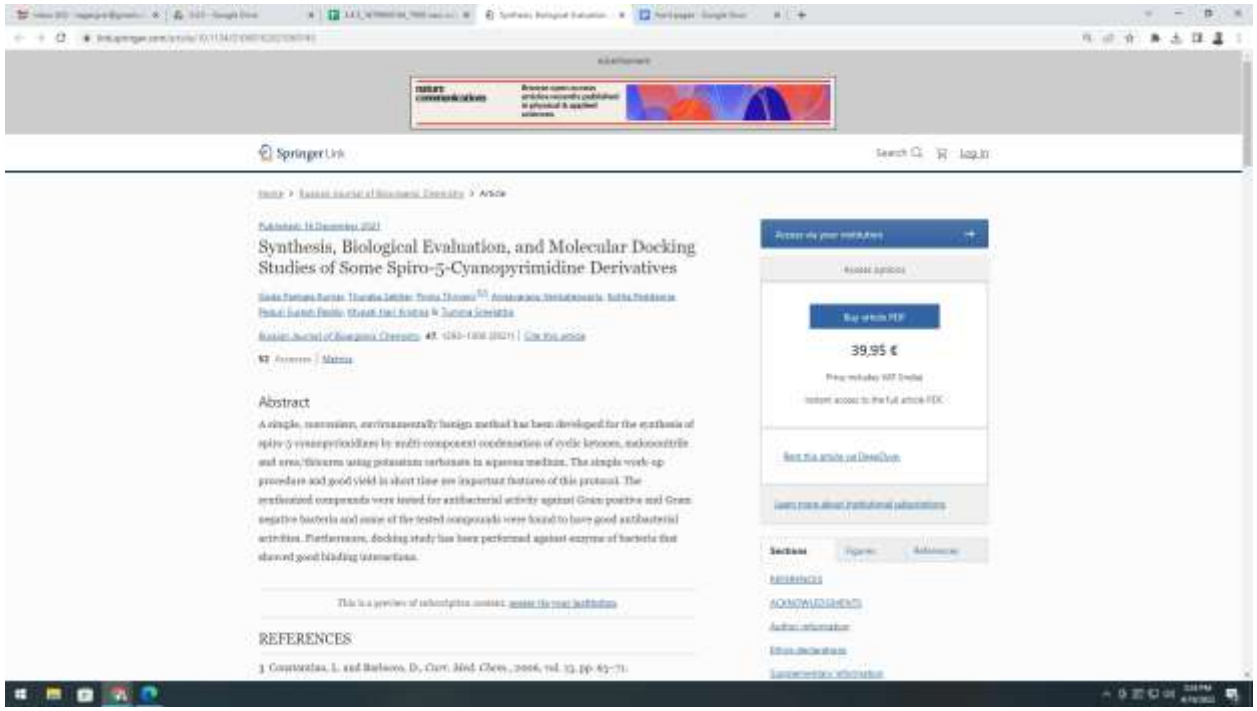
Methacrylic acid-ethyl acrylate (MAA:EA) copolymer has drawn a special attention amongst the copolymers because of its good environmental stability, easy processing and transparency. MAA:EA has good charge capacity and dopant dependent electrical and optical properties. The


Journal of Science: Advanced Materials and Devices
Thermal, structural, optical and electrical properties of PVA/MAA:EA polymer blend filled with different concentrations of Lithium Perchlorate
Abstract


Springer Link
Search
Log in
Phosphorus and boron codoping into TiO_2 nanoparticles; an avenue for enhancing the visible light photocatalytic activity
Abstract
39,95 €
Sections

Structural, thermal and optical properties of Cu^{2+} doped methacrylic acid–ethyl acrylate (MAA:EA) copolymer films

CHEMISTRY



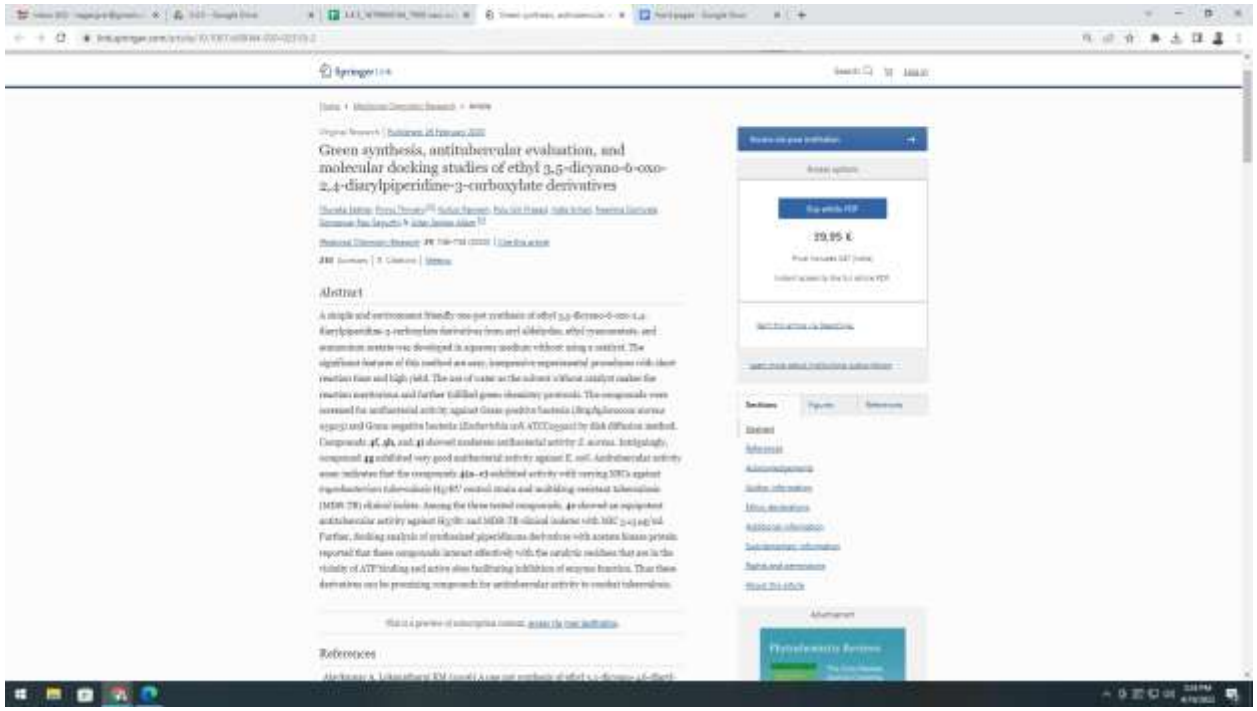
Synthesis, Biological Evaluation, and Molecular Docking Studies of Some Spiro-5-Cyanopyrimidine Derivatives

Abstract

A simple, convenient, environmentally benign method has been developed for the synthesis of spiro-5-cyanopyrimidines by multi-component condensation of cyclic ketones, malononitrile and urea/thiourea using potassium carbonate in aqueous medium. The simple work-up procedure and good yield in short time are important features of this protocol. The synthesized compounds were tested for antibacterial activity against Gram positive and Gram negative bacteria and some of the tested compounds were found to have good antibacterial activities. Furthermore, docking study has been performed against enzyme of bacteria that showed good binding interactions.

REFERENCES

39,95 €



Springer Link

Search Log in

Home > Medicinal Chemistry Research > Article

Original Research | Published: 28 February 2020

Green synthesis, antituberecular evaluation, and molecular docking studies of ethyl 3,5-dicyano-6-oxo-2,4-diarylpiperidine-3-carboxylate derivatives

Thanda Sekhar, Pinnu Thirupathi, Kuttur Ramesh, Palla Giri Prasad, Vaka Srihari, Neeraja Gurrapu, Srinivasan Rao Sampathi & Kotar Sarveswara Rao

Medicinal Chemistry Research 29, 736–750 (2020) | Cite this article

232 Accesses | 5 Citations | Metrics

Abstract

A simple and environment friendly one-pot synthesis of ethyl 3,5-dicyano-6-oxo-2,4-diarylpiperidine-3-carboxylate derivatives from aryl aldehydes, ethyl cyanoacetate, and ammonium acetate was developed in aqueous medium without using a catalyst. The significant features of this method are easy, inexpensive experimental procedures with short reaction time and high yield. The use of water as the solvent without catalyst makes the reaction meritorious and further fulfilled green chemistry protocols. The compounds were screened for antibacterial activity against Gram-positive bacteria (*Staphylococcus aureus* ATCC) and Gram-negative bacteria (*Escherichia coli* ATCC) by disk diffusion method. Compounds **4f**, **4h**, and **4i** showed moderate antibacterial activity *S. aureus*. Intriguingly, compound **4g** exhibited very good antibacterial activity against *E. coli*. Antituberculer activity assay indicates that the compounds **4f**[a–e] exhibited activity with varying MICs against mycobacterium tuberculosis H37RV control strain and multidrug resistant tuberculosis (MDR-TB) clinical isolate. Among the three tested compounds, **4e** showed an equipotent antituberculer activity against H37Rv and MDR-TB clinical isolates with MIC 3.13 µg/ml. Further, docking analysis of synthesized piperidinone derivative with acetate kinase protein reported that these compounds interact effectively with the catalytic residues that are in the vicinity of ATP binding and active sites facilitating inhibition of enzyme function. Thus these derivatives can be promising compounds for antituberculer activity to combat tuberculosis.

This is a preview of subscription content, access via your institution.

References

Buy article PDF

39.95 €

Price includes VAT (India)

Rent this article via DeepDyve

Sections | Figures | References

Abstract

References

Acknowledgements

Author information

Ethics declarations

Additional information

Supplementary information

Rights and permissions

About this article

Advertisement

Phytochemistry Reviews

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy

One-pot synthesis of thiazolo[3,2-a]pyrimidine derivatives, their cytotoxic evaluation and molecular docking studies

Article preview

Abstract

Graphical abstract

Heterocyclic Letters
Vol. 11| No.2|231-238| Feb-April|2021
ISSN : (print) 2231-3087 / (online) 2230-9632
CODEN: HLLEAI
http://heteroletters.org

AN EFFICIENT THREE-COMPONENT ONE-POT SYNTHESIS OF PYRIMIDOBENZIMIDAZOLE DERIVATIVES

Goda Pankaja Kumar[a], Thoraka Sekhar[a], Pinnu Thrivedi[a]*, Annavarapu Venkateswarlu[a], Pyduri Suresh Reddy[b]

[a]Department of Chemistry, Dhruva Institute of Engineering & Technology, Nellore-524320, India
[b]Bhadhana Laboratories Limited, Jeedimetla, Hyderabad-500 055, India
Email:pthrivedi.vsu@gmail.com

Abstract

A simple, clean and convenient one pot method has been developed for the synthesis of pyrimido[1,2-a]benzimidazole derivatives by the multicomponent reaction of cyclic ketone (1) aminobenzimidazole (2) and malononitrile (3) in the presence of ammonia as a mild, cheap, efficient, commercially available, environmentally benign, non-toxic base in aqueous ethanol medium. The simple work-up procedure and good to very good yield in short time are some of the important features of this protocol. The chemical structures of the synthesized compounds were characterized by IR, ^{1}H NMR, ^{13}C NMR and mass spectral analysis.

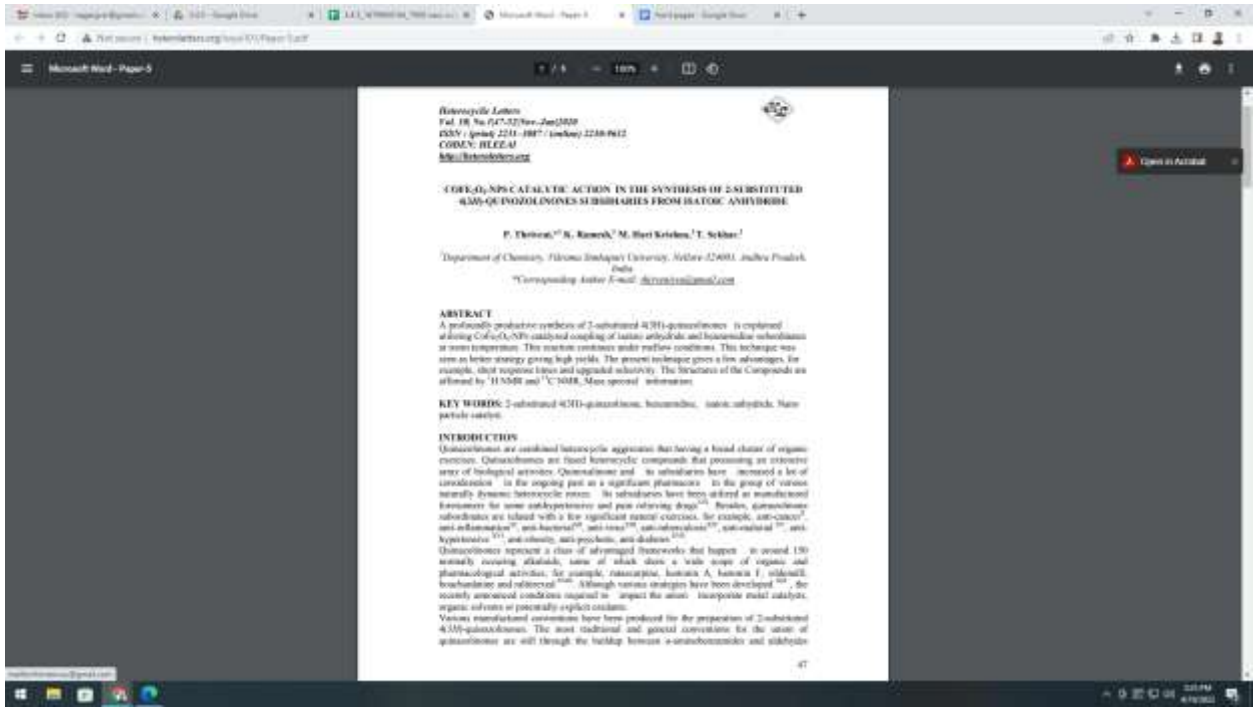
Keywords : pyrimido[1,2-a]benzimidazole, one-pot synthesis, aqueous ammonia

Introduction

Multicomponent reactions have offered many fascinating and challenging transformations in organic synthesis[1-3]. The atom-economy, operational simplicity convergent character, structural diversity, and complexity of the molecules are the major advantages associated with multicomponent reactions. These multicomponent reactions are developing as a powerful tool in the synthesis of biologically important compounds[4,5].

The formation of heterocyclic compounds is a very significant task in organic synthesis, mainly because they are present in numerous biologically active compounds and in several natural products[6]. Nitrogen-containing heterocyclic systems have a diverse spectrum of pharmacological properties. Different heterocyclic moiety's can be incorporated to produce molecules with enhanced biological properties.

Molecules containing the benzimidazole heterocycle which exhibit selective antibacterial activity[7]. Presence of benzimidazole ring in numerous compounds is an important structural element for their biological and medical applications. For example benzimidazoles are widely spread in antiulcer, antihypertensive, antiviral, antifungal, anticancer, and antihistaminic medicines, among others[8-10]. In recent years, benzimidazole compounds have emerged as a hot research topic due to their varied biological activities. Indeed, benzimidazole as a privileged scaffold in medicinal chemistry and pharmaceutics



Heterocyclic Letters
Vol. 10, No.1:47-52/Nov.-Jan/2020
ISSN : (print) 2231 - 3087 / (online) 2230-9632
CODEN: HLLEAJ
http://heterocycleletters.org

$CoFe_2O_4$ NPs CATALYTIC ACTION IN THE SYNTHESIS OF 2-SUBSTITUTED 4(3H)-QUINOZOLINONES SUBSIDIARIES FROM ISATOIC ANHYDRIDE

P. Thriveni,* N. Ramesh, M. Hari Krishna, T. Sekhar

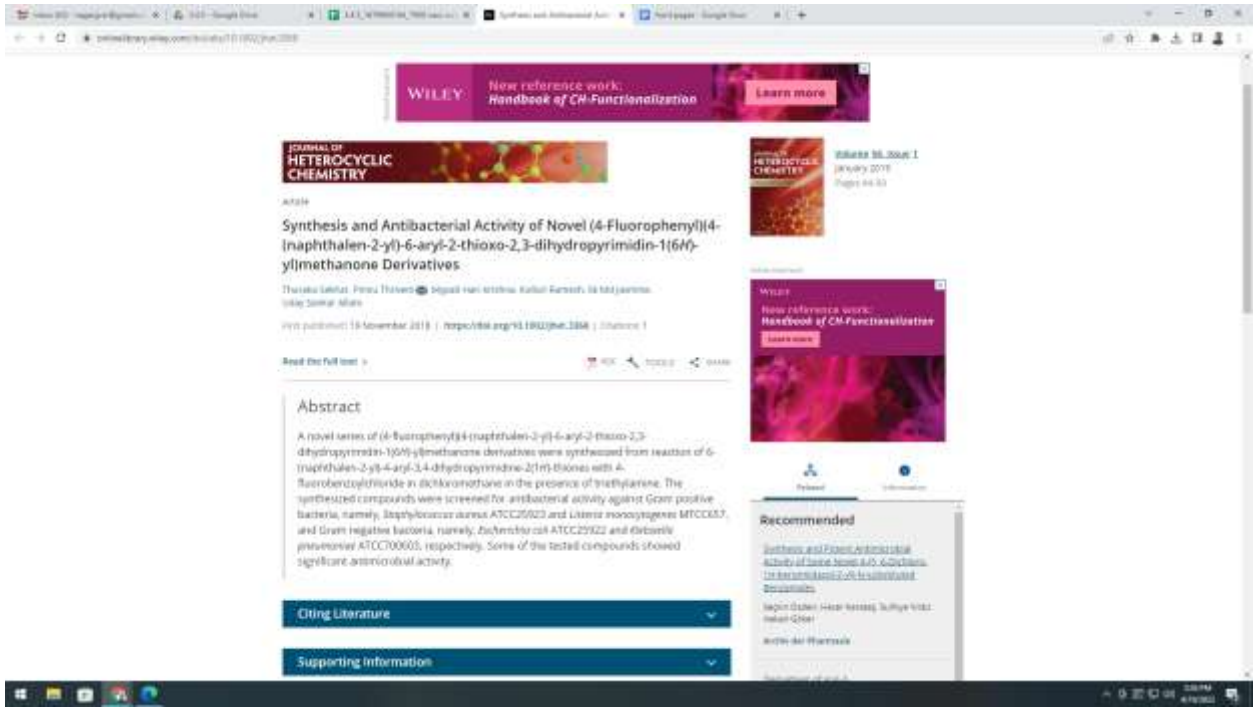
Department of Chemistry, Yogi Vemana University, Kadapa 516003, Andhra Pradesh, India
*Corresponding Author E-mail: thriveni.vsu@gmail.com

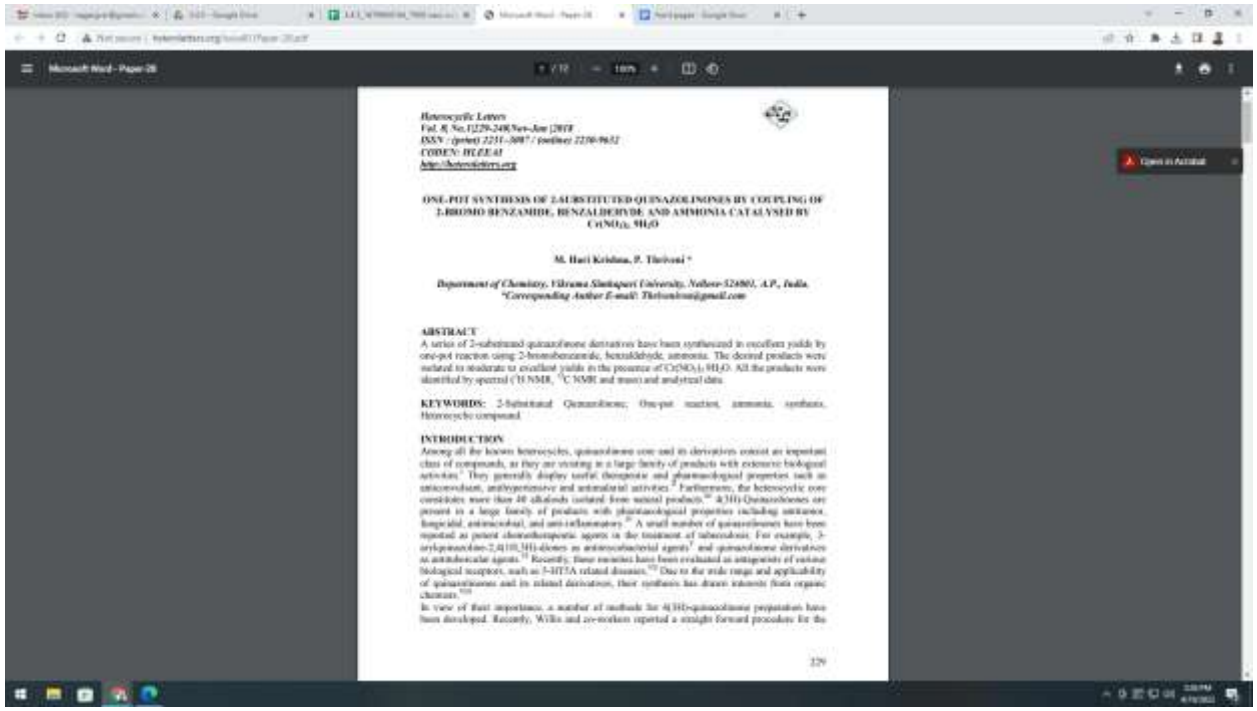
ABSTRACT
A profoundly productive synthesis of 2-substituted 4(3H)-quinazolinones is explained utilizing $CoFe_2O_4$ NPs catalyzed coupling of isatoic anhydride and benzamidine subsidiaries at room temperature. This reaction continues under reflux conditions. This technique was seen as better strategy giving high yields. The present technique gives a few advantages, for example, short response times and upgraded selectivity. The Structures of the Compounds are affirmed by ^{1}H NMR and ^{13}C NMR, Mass spectral information.

KEY WORDS: 2-substituted 4(3H)-quinazolinone, benzamidine, isatoic anhydride, Nano particle catalyst.

INTRODUCTION

Quinazolinones are combined heterocyclic aggregates that having a broad cluster of organic exercises. Quinazolinones are fused heterocyclic compounds that possessing an extensive array of biological activities. Quinazolinone and its subsidiaries have increased a lot consideration in the ongoing past as a significant pharmacore in this group of various natural's dynamic heterocycle mixes. Its subsidiaries have been utilized as manufactured forerunners for some antihypertensive and pain relieving drugs[1,2]. Besides, quinazolinone subordinates are related with a few significant natural exercises, for example, anti-cancer[3], anti-inflammation[4], anti-bacterial[5], anti-virus[6,7], anti-tuberculosis[8,9], anti-antiviral [10], anti-hypertensive [11], anti-obesity, anti-psychotic, anti-diabetic [12].
Quinazolinones represent a class of advantaged frameworks that happen in around 150 normally occurring alkaloids, some of which show a wide scope of organic and pharmacological activities, for example, rutaecarpine, luotonin A, luotonin F, vildagrill, bouchardatine and febrifugine[13,14]. Although various strategies have been developed [15], the recently announced conditions required to acquire the amide incorporate metal catalysts, organic solvents or potentially explicit oxidants.
Various standardized conventions have been produced for the preparation of 2-substituted 4(3H)-quinazolinones. The most traditional and general conventions for the union of quinazolinones are still through the buildup between o-aminobenzamides and aldehydes


WILEY
New reference work:
Handbook of CH-Functionalization
Learn more
JOURNAL OF HETEROCYCLIC CHEMISTRY
Synthesis and Antibacterial Activity of Novel (4-Fluorophenyl)(4-(naphthalen-2-yl)-6-aryl-2-thioxo-2,3-dihydropyrimidin-1(6H)-yl)methanone Derivatives
Abstract
Citing Literature
Supporting Information
Recommended



Heterocyclic Letters
Vol. 8, No.1|229-240|Nov-Jan |2018
ISSN : (print) 2231–3087 / (online) 2230-9632
CODEN: HLEEAI
http://heteroletters.org

ONE-POT SYNTHESIS OF 2-SUBSTITUTED QUINAZOLINONES BY COUPLING OF 2-BROMO BENZAMIDE, BENZALDEHYDE AND AMMONIA CATALYSED BY $CrO(NO_3)_2.9H_2O$

M. Hari Krishna, P. Thirivasi *

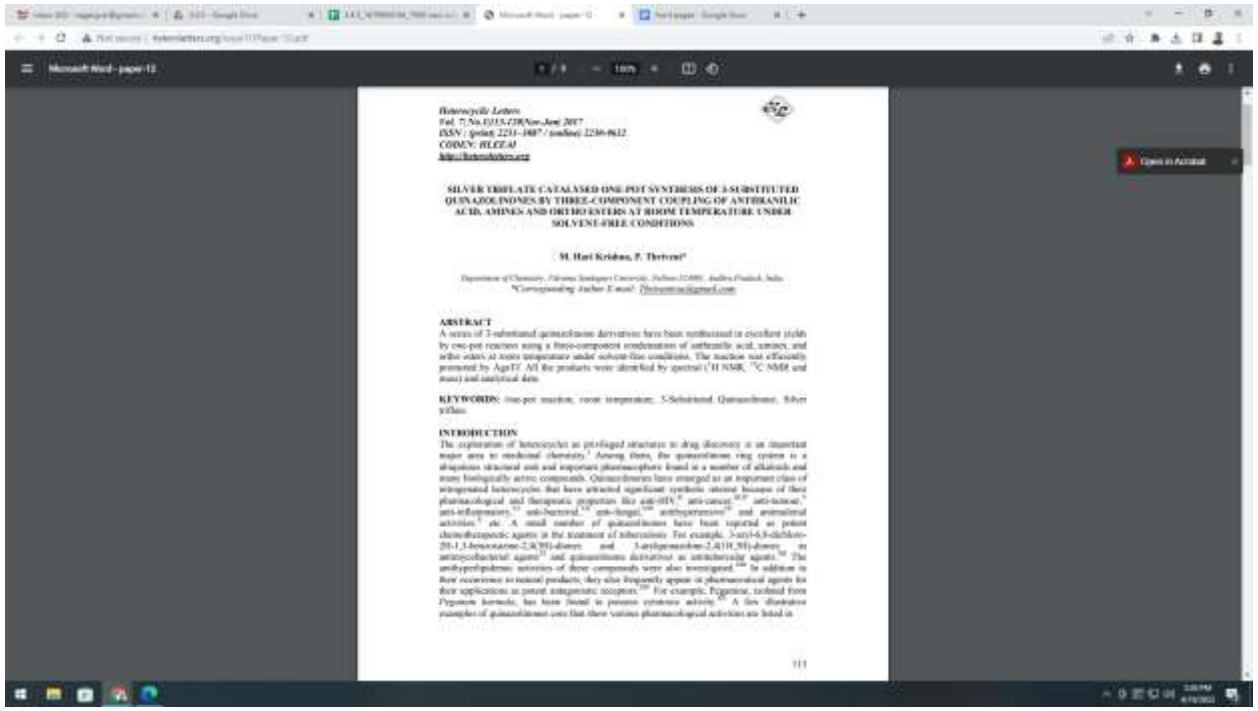
Department of Chemistry, Vikrama Simhapuri University, Nellore-524001, A.P., India.
**Corresponding Author E-mail: Thirivasi@gmail.com*

ABSTRACT
A series of 2-substituted quinazolinone derivatives have been synthesized in excellent yields by one-pot reaction using 2-bromobenzamide, benzaldehyde, ammonia. The desired products were isolated in moderate to excellent yields in the presence of $Cr(NO_3)_2.9H_2O$. All the products were identified by spectral (^1H NMR, ^{13}C NMR and mass) and analytical data.

KEYWORDS: 2-Substituted Quinazolinone; One-pot reaction; ammonia; synthesis; Heterocyclic compound.

INTRODUCTION

Among all the known heterocycles, quinazolinone core and its derivatives consist an important class of compounds, as they are creating in a large family of products with extensive biological activities.[1] They generally display useful therapeutic and pharmacological properties such as anticonvulsant, antihypertensive and antimalarial activities.[2] Furthermore, the heterocyclic core constitutes more than 40 alkaloids isolated from natural products.[3a] 4(3H)-Quinazolinones are present in a large family of products with pharmacological properties including anticancer, fungicidal, antimicrobial, and anti-inflammatory.[3b] A small number of quinazolinones have been reported as potent chemotherapeutic agents in the treatment of tuberculosis. For example, 3-arylquinazoline-2,4(1H,3H)-diones as antimycobacterial agents[3] and quinazolinone derivatives as antitubercular agents.[4] Recently, these moieties have been evaluated as antagonists of various biological receptors, such as 5-HT3A related diseases.[5] Due to the wide range and applicability of quinazolinones and its related derivatives, their synthesis has drawn interests from organic chemists [6-10].
In view of their importance, a number of methods for 4(3H)-quinazolinone preparations have been developed. Recently, Wilks and co-workers reported a straight forward procedure for the



Heterocyclic Letters
Vol. 7/No.1/113-120/Nov-Jan/ 2017
ISSN : (print) 2231–1807 / (online) 2230-9632
CODEN: HLECAI
http://heterocycleletters.org

SILVER TRIFLATE CATALYSED ONE-POT SYNTHESIS OF 3-SUBSTITUTED QUINAZOLINONES BY THREE-COMPONENT COUPLING OF ANTHRANILIC ACID, AMINES AND ORTHO ESTERS AT ROOM TEMPERATURE UNDER SOLVENT-FREE CONDITIONS

M. Hari Krishna, P. Thirveni*

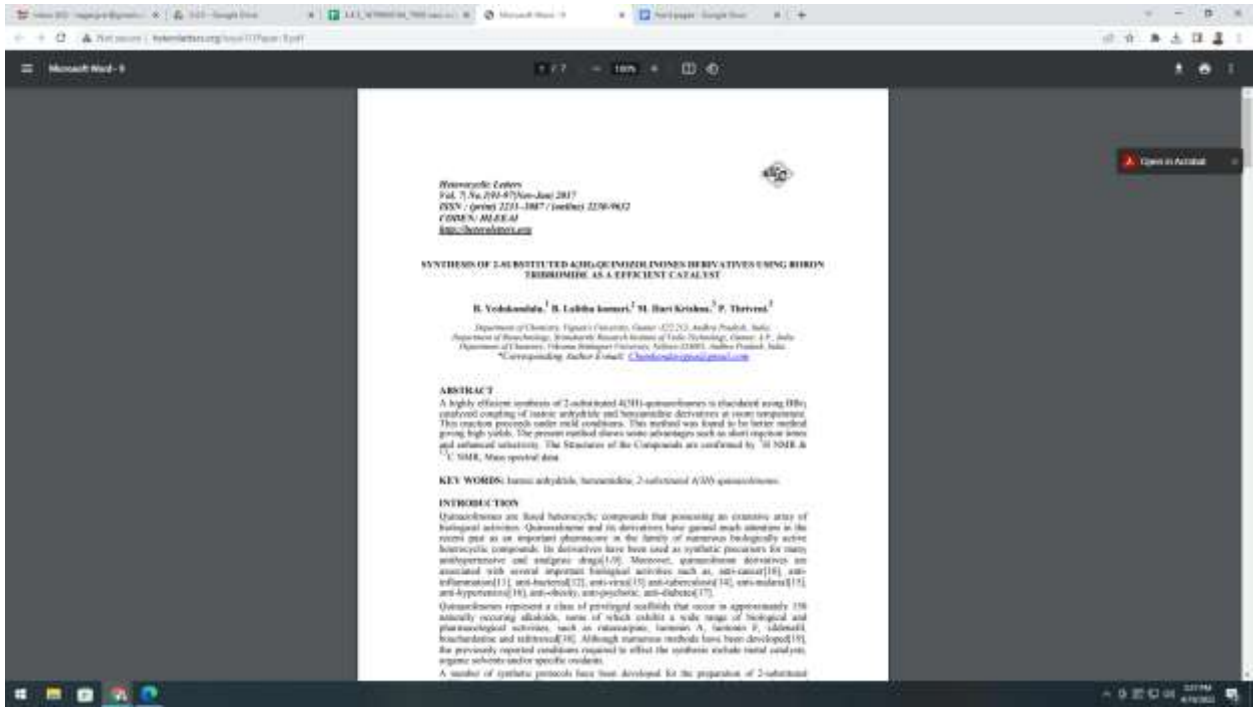
Department of Chemistry, Vikrama Simhapuri University, Nellore-524001, Andhra Pradesh, India.
**Corresponding Author E-mail: Pthirveni@gmail.com*

ABSTRACT
A series of 3-substituted quinazolinone derivatives have been synthesized in excellent yields by one-pot reaction using a three-component condensation of anthranilic acid, amines, and ortho esters at room temperature under solvent-free conditions. The reaction was efficiently promoted by AgOTf. All the products were identified by spectral (^{1}H NMR, ^{13}C NMR and mass) and analytical data.

KEYWORDS: One-pot reaction, room temperature, 3-Substituted Quinazolinone, Silver triflate.

INTRODUCTION

The exploration of heterocycles as privileged structures in drug discovery is an important major area in medicinal chemistry.[1] Among them, the quinazolinone ring system is a ubiquitous structural unit and important pharmacophore found in a number of alkaloids and many biologically active compounds. Quinazolinones have emerged as an important class of nitrogenated heterocycles that have attracted significant synthetic interest because of their pharmacological and therapeutic properties like anti-HIV,[2] anti-cancer,[3,4] anti-tumour,[5] anti-inflammatory,[6] anti-bacterial,[7,8] anti-fungal,[9,10] antihypertensive[11] and antimalarial activities.[12] etc. A small number of quinazolinones have been reported as potent chemotherapeutic agents in the treatment of tuberculosis. For example, 3-aryl-6,8-dichloro-2H-1,3-benzoxazine-2,4(3H)-diones and 3-arylquinazoline-2,4(1H,3H)-diones as antimycobacterial agents[13] and quinazolinone derivatives as antitubercular agents.[14] The antihyperlipidemic activities of these compounds were also investigated.[15a] In addition to their occurrence in natural products, they also frequently appear in pharmaceutical agents for their applications as potent antagonistic receptors.[16] For example, Peganine, isolated from *Peganum harmala*, has been found to possess cytotoxic activity.[17] A few illustrative examples of quinazolinone core that show various pharmacological activities are listed in



Heterocyclic Letters
Vol. 7, No.1(01-07)Jan-June 2017
ISSN : (print) 2231—1807 ; (online) 2230-9632
CODEN: HLETAS
http://heteroletters.org

SYNTHESIS OF 2-SUBSTITUTED 4,5H)-QUINOXALINONES DERIVATIVES USING BORON TRIBROMIDE AS A EFFICIENT CATALYST

B. Yedukondalu,[1] B. Lalitha kumari,[2] M. Hari Krishna,[3] P. Thirveni.[1]

Department of Chemistry, Vignan's University, Guntur-522 213, Andhra Pradesh, India.
Department of Biotechnology, Venkatadri Research Institute of Vedic Technology, Guntur- A.P., India.
Department of Chemistry, Vikrama Simhapuri University, Nellore-524003, Andhra Pradesh, India.
**Corresponding Author E-mail: C.Yedukondalu@gmail.com*

ABSTRACT

A highly efficient synthesis of 2-substituted 4(3H)-quinazolinones is elucidated using HBr3 catalyzed coupling of isatoic anhydride and benzamidine derivatives at room temperature. This reaction proceeds under mild conditions. This method was found to be better method giving high yields. The present method shows some advantages such as short reaction times and enhanced selectivity. The Structures of the Compounds are confirmed by ^{1}H NMR & ^{13}C NMR, Mass spectral data.

KEY WORDS: Isatoic anhydride, benzamidine, 2-substituted 4(3H) quinazolinones.

INTRODUCTION

Quinazolinones are fused heterocyclic compounds that possessing an extensive array of biological activities. Quinazolinone and its derivatives have gained much attention in the recent past as an important pharmacore in the family of numerous biologically active heterocyclic compounds. Its derivatives have been used as synthetic precursors for many antihypertensive and analgesic drugs[1-9]. Moreover, quinazolinone derivatives are associated with several important biological activities such as, anti-cancer[10], anti-inflammation[11], anti-bacterial[12], anti-viral[13] anti-tuberculosis[14], anti-malarial[15], anti-hypertensive[16], anti—obesity, anti-psychotic, anti-diabetic[17].

Quinazolinones represent a class of privileged scaffolds that occur in approximately 150 naturally occurring alkaloids, some of which exhibit a wide range of biological and pharmacological activities, such as rutaecarpine, luotonins A, luotonin F, chaetominine, fiscalin B, tryptanthrine and rutaecarpine[18]. Although numerous methods have been developed[19], the previously reported conditions required to effect the synthesis include metal catalysts, organic solvents and/or specific oxidants.

A number of synthetic protocols have been developed for the preparation of 2-substituted

Heterocyclic Letters

SYNTHESIS OF QUINAZOLINONES *VIA* TANDEM CYCLIZATION OF 2-HALOBENZOIC ACIDS WITH AMIDINES USING CERIUM(III) CHLORIDE AS A CATALYST

ABSTRACT

Tandem cyclization of 2-halobenzoic acids with amidines provides a new facile protocol for the synthesis of 2-substituted quinazolinones using Cerium(III) chloride as effective catalyst. This protocol is very simple and provides moderate yields.

KEYWORDS: Quinazolin-4(3H)-ones, Cerium(III) chloride

INTRODUCTION

ScienceDirect

Journals & Books

Article preview

Chemical Data Collections

Design, synthesis and biological evaluation of aryl and hetero-aryl linked thieno[3,2-d]pyrimidine derivatives as anticancer agents

Abstract

A new library of different aryl and heteroaryl linked thieno[3,2-d]pyrimidine (9a-j) derivatives were synthesized and characterized by ^{1}HNMR, ^{13}CNMR and mass spectroscopic techniques. Further, these were evaluated for their anticancer potentials against the selected four human cancer cell lines including PC3 (prostate cancer), A549 (lung cancer), MCF-7 (breast cancer) and DU-145 (prostate cancer). The obtained results suggested that four compounds **9a**, **9b**, 9g and 9j exhibited more potent anticancer properties. Predominantly, two compounds 9a and 9g demonstrated most capable anticancer activity of the library.

Section snippets

Rationale

ISSN: 0975-8585

Research Journal of Pharmaceutical, Biological and Chemical Sciences

Development and Characterization of Voriconazole loaded Solid Lipid Nanoparticle for Topical Drug Delivery.

Suman Narapureddy[1*], T Veera Reddy[2], Varanasi S N Murthy[3], and Naresh Modepalli[4].


Home
Editorial Board
Journal Topics
Archives
About the journal
Submissions
Privacy Statement
Contact
Search
Adsorption of phenol and resorcinol from aqueous solution by Chitosan/Poly(acrylamide-co-2-acrylamido-2-methyl-1-propanesulfonicacid) hydrogels: modeling and kinetic studies
IC. Raja Kumar, TY. Nagaiah, ZK.N. Shanti Kumar,TT.Vasra Reddy, Y.Vijaya
Abstract
Articles
Subscription
Indexed by
Scopus

RJC

RASĀYAN J. Chem.
Vol. 13 | No. 3 |1805-1810| July - September | 2020
ISSN: 0974-1496 | e-ISSN: 0976-0083 | CODEN: RJCABP
http://www.rasayanjournal.com
http://www.rasayanjournal.co.in

PHYTO-MEDIATED GREEN SYNTHESIS OF COPPER NANOPARTICLES: STUDY OF CATALYTIC PERFORMANCE AND ANTIBACTERIAL ACTIVITY

M. Reddeppa[1], P. Srajana[1], B. Chenna Krishna Reddy[2,3], T. Veera Reddy[3] and T. Shobha Rani[4]*

[1]Department of Chemistry, Dravidian University, Kuppam-517425, India
[2]Department of Chemistry, South China Normal University, Guangzhou, P.R. China
[3]Department of Chemistry, Vikrama Simhapuri University, Nellore-524320, AP India
[4]Department of Science & Humanities, S.V.C College of Engineering, Karakambadi Road, Tirupati-517507, India
*E-mail: sobha.kandula@gmail.com

ABSTRACT

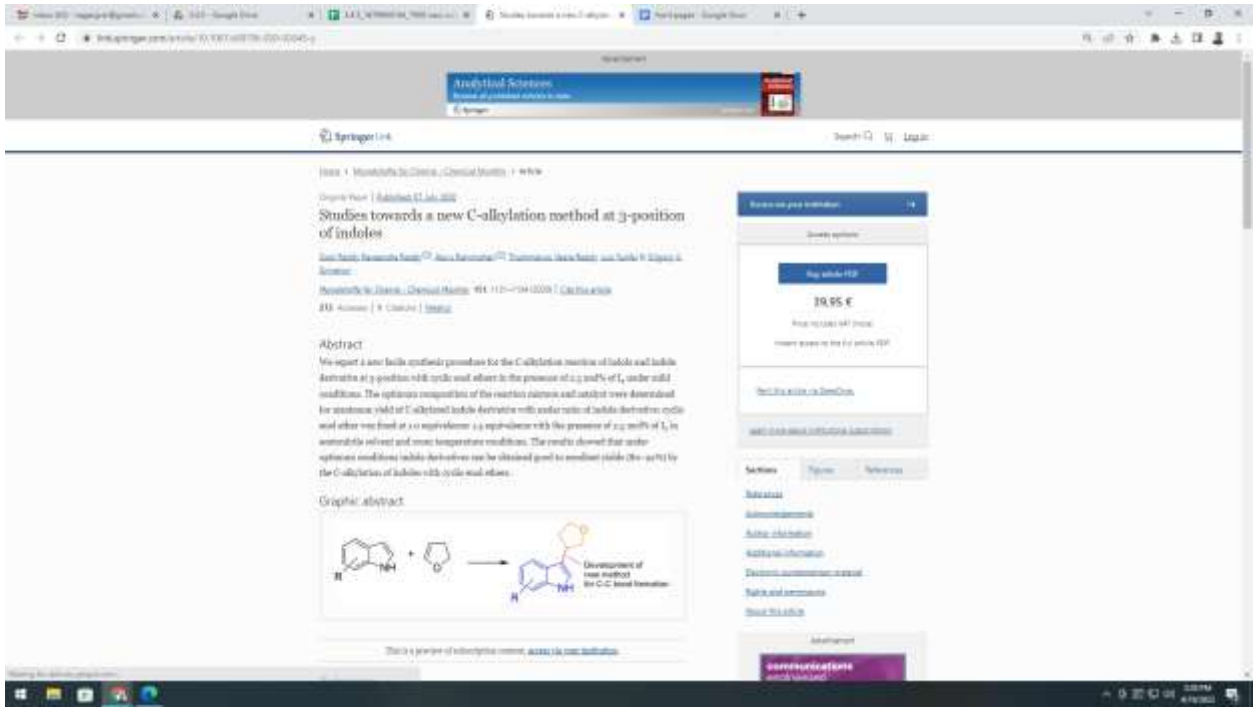
The present study represents the phyto-mediated green synthesis approach of Copper Nanoparticles (CuNps) by using *Volkameria inermis* aqueous leaf extract, as the method of synthesis is simple eco-friendly without using any hazardous chemicals. The used extract of *Volkameria inermis* acts as both reducing and capping agents for producing CuNps with mixed fine cubic and spiked morphology. The results of the structural analysis performed with the help of UV-visible spectroscopy (an absorption peak at around 550 nm) and X-ray diffraction (crystalline nature) confirmed the successful formation of copper nanoparticles. Also, the FT-IR spectrum confirmed that the synthesized CuNps were protected and stabilized by bio-molecules with different functional groups present in used extract. The shape of the synthesized CuNps is cubic and spiked with 40-80 nm size range from scanning electron microscopic results and the presence of elemental copper is further confirmed by energy dispersive spectroscopic analysis. Finally, the CuNps exhibited reliable antibacterial activity on *Staphylococcus aureus* (Gram-positive), *Bacillus subtilis* (Gram-positive), *Pseudomonas aeruginosa* (Gram-negative), and *Escherichia coli* (Gram-negative), and excellent catalytic activity towards Ilungen [3+2] cycloaddition reactions.

Keywords: Phyto-mediated Green Synthesis, *Arimalis inermis*, Copper Nanoparticles, Catalytic Performance, Antibacterial Activity.

INTRODUCTION

Nanotechnology is a fast-growing branch of science for producing and utilizing nano-sized particles for various applications in different fields. In recent days, the synthesis of metal nanoparticles by various synthetic protocols is the most effective research area in the modern material science as it exhibits exceptional properties like optical, electrical, catalytic, biosensing, therapeutic etc., owing to their small size, high surface area, uniform distribution and their diverse morphology.[1,2] Various physicochemical methods were employed for producing metal nanoparticles such as silver, copper, gold, platinum, etc.[3,4] Mostly, using such methods for nanoparticle preparation contains the involvement of toxic chemicals, the use of high temperature, pressure, and low material conversions. To avoid the usage of harmful chemicals and hostile reaction conditions, there is increasing attentions for developing new, eco-friendly processes for nanoparticle synthesis.

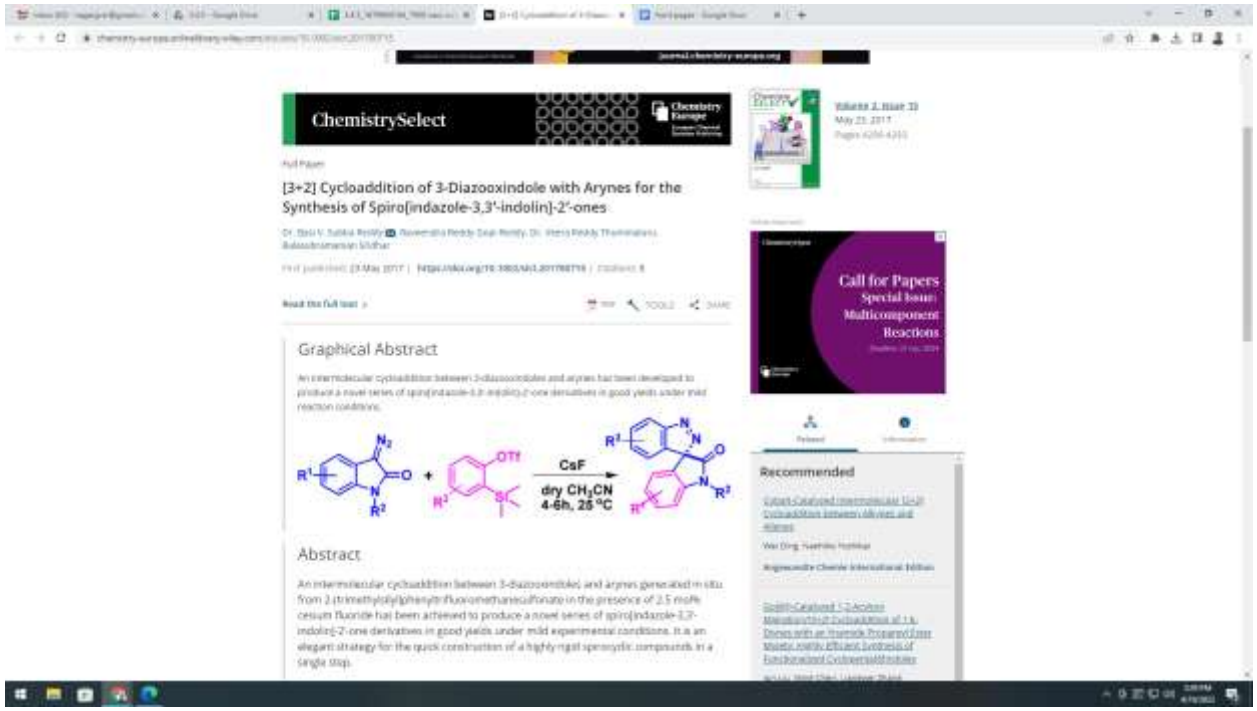
Further, it is well known from the early days, that copper is used for many purposes mainly in the sterilization of water and minerals. It is approved for the treatment of pulmonary diseases and purification

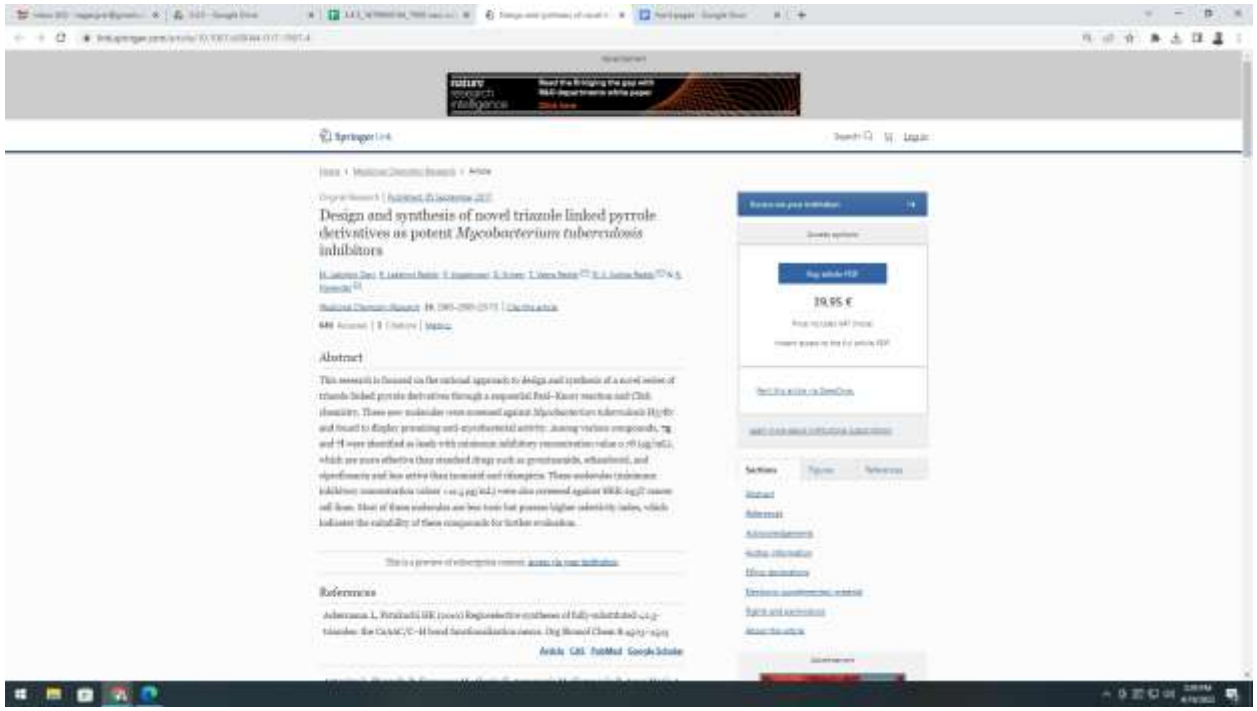

Analytical Sciences
Springer Link
Studies towards a new C-alkylation method at 3-position of indoles
Abstract
Graphic abstract
Development of new method for C-C bond formation
Buy article PDF
39.95 €

Ultra-Range Bimetallic Pt–Pd Nanospheres Deposited on Reduced Graphene Sheet as Efficient Electrocatalyst Towards Electrooxidation of Methanol

Abstract

References


ChemistrySelect
Chemistry Europe
Full Paper
[3+2] Cycloaddition of 3-Diazooxindole with Arynes for the Synthesis of Spiro[indazole-3,3'-indolin]-2'-ones
Read the full text
Graphical Abstract
CsF
dry CH3CN
4-6h, 25 °C
Abstract
An intermolecular cycloaddition between 3-diazooxindoles and arynes generated in situ from 2-(trimethylsilyl)phenyl trifluoromethanesulfonate in the presence of 2.5 molfe cesium fluoride has been achieved to produce a novel series of spiro[indazole-3,2'-indolin]-2'-one derivatives in good yields under mild experimental conditions. It is an elegant strategy for the quick construction of a highly rigid spirocyclic compounds in a single step.
Call for Papers
Special Issue: Multicomponent Reactions
Recommended


Design and synthesis of novel triazole linked pyrrole derivatives as potent Mycobacterium tuberculosis inhibitors
Abstract
References
19.95 €

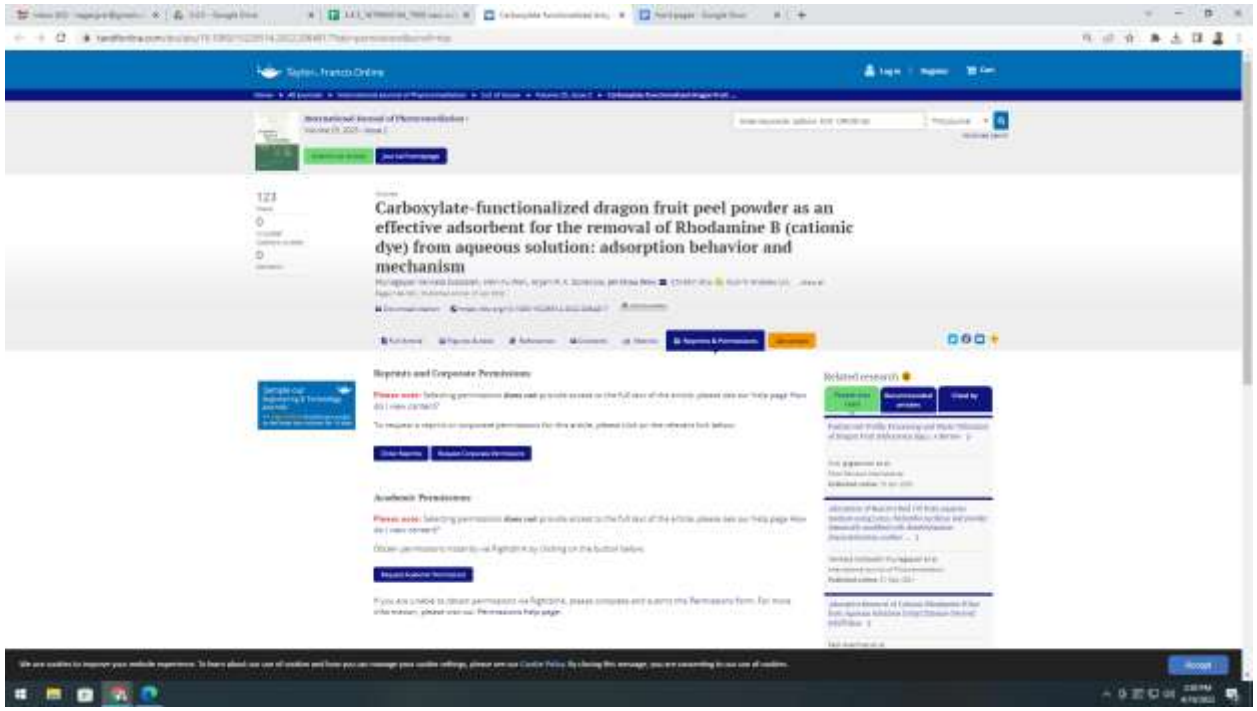

Home
Editorial Board
Journal Topics
Archives
About the journal
Submissions
Privacy Statement
Contact
Search
Adsorption of phenol and resorcinol from aqueous solution by Chitosan/Poly(acrylamide-co-2-acrylamido-2-methyl-1-propanesulfonicacid) hydrogels: modeling and kinetic studies
IC. Raja Kumar, TY. Nagaiah, ZK.N. Shanti Kumar,TT.Vasra Reddy, Y.Vijaya
Abstract
Indexed by
Scopus
Subscription

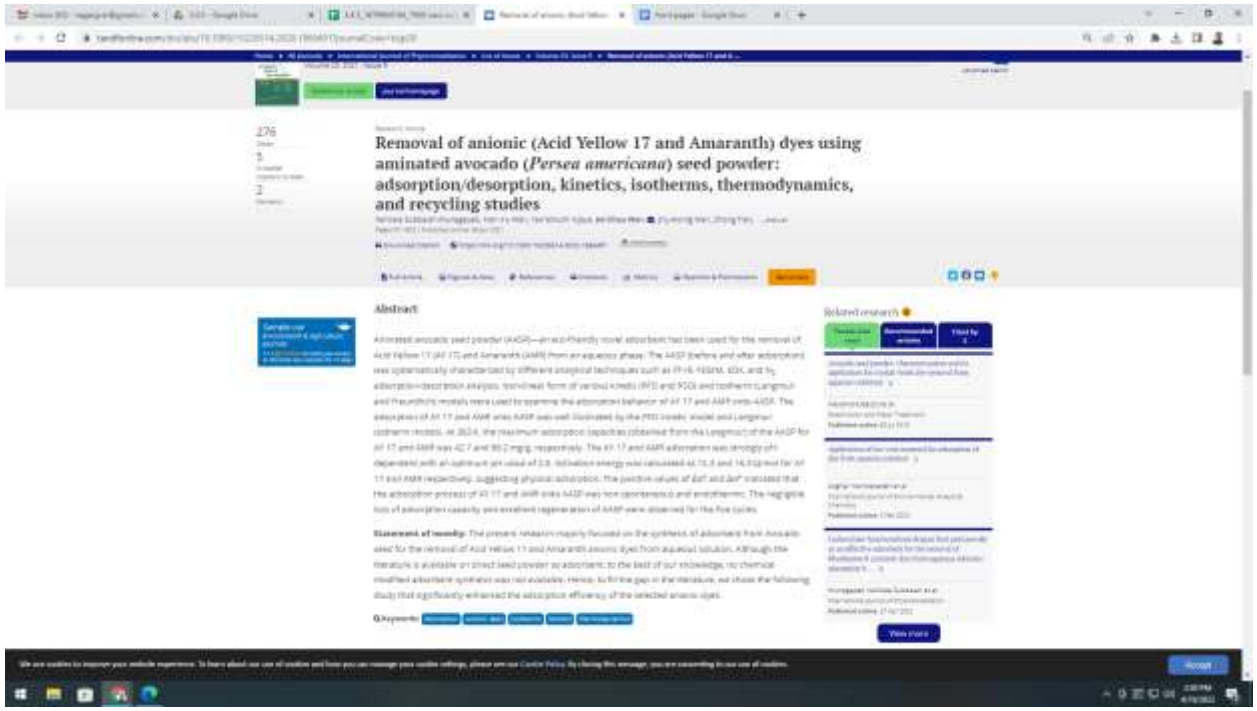
Journal of Molecular Liquids

Methyl orange removal from aqueous solution using goethite, chitosan beads and goethite impregnated with chitosan beads

Abstract

The adsorption of methyl orange (MO) onto goethite (G), chitosan beads (CSB) and goethite impregnated with chitosan beads (GCSB) as a new and potential adsorbents have been studied. Batch adsorption studies were conducted to evaluate the effect of various parameters such as pH, contact time, initial dye concentration and temperature. The adsorbents are characterized by using Fourier Transform Infrared Spectroscopy (FTIR), Scanning Electron Microscopy (SEM) and Brunner-Emmet-Teller (BET) analysis, respectively. FTIR results revealed that hydroxyl, amine and carbonyl functional groups present on the surface of adsorbents. Experimental equilibrium data for adsorption of MO was analyzed by the Langmuir, Freundlich and Dubinin–Kaharkhevich models. The results showed that the best fit was achieved with the Langmuir isotherm equation with maximum adsorption capacities of 55, 71 and 84 mg/g for G, CSB and GCSB, respectively. The pseudo-first-order and pseudo-second-order model equations were used to analyze the kinetic data of the adsorption process and the data was fitted well with the pseudo-second-order kinetic model. The calculated thermodynamic parameters, namely ΔG°, ΔH° and ΔS° showed that adsorption of MO was spontaneous and endothermic in the temperature range 298–318K. Desorption experiments were carried out to explore the feasibility of regenerating the adsorbent and the adsorbed MO from G, CSB and GCSB were desorbed using 0.1 M NaOH with an efficiency of 91, 94 and 88%, respectively, recovery. Findings of the present study indicated that G, CSB and GCSB can be successfully used for removal of MO from aqueous solution.


Carboxylate-functionalized dragon fruit peel powder as an effective adsorbent for the removal of Rhodamine B (cationic dye) from aqueous solution: adsorption behavior and mechanism



276

5

2

Removal of anionic (Acid Yellow 17 and Amaranth) dyes using aminated avocado (*Persea americana*) seed powder: adsorption/desorption, kinetics, isotherms, thermodynamics, and recycling studies

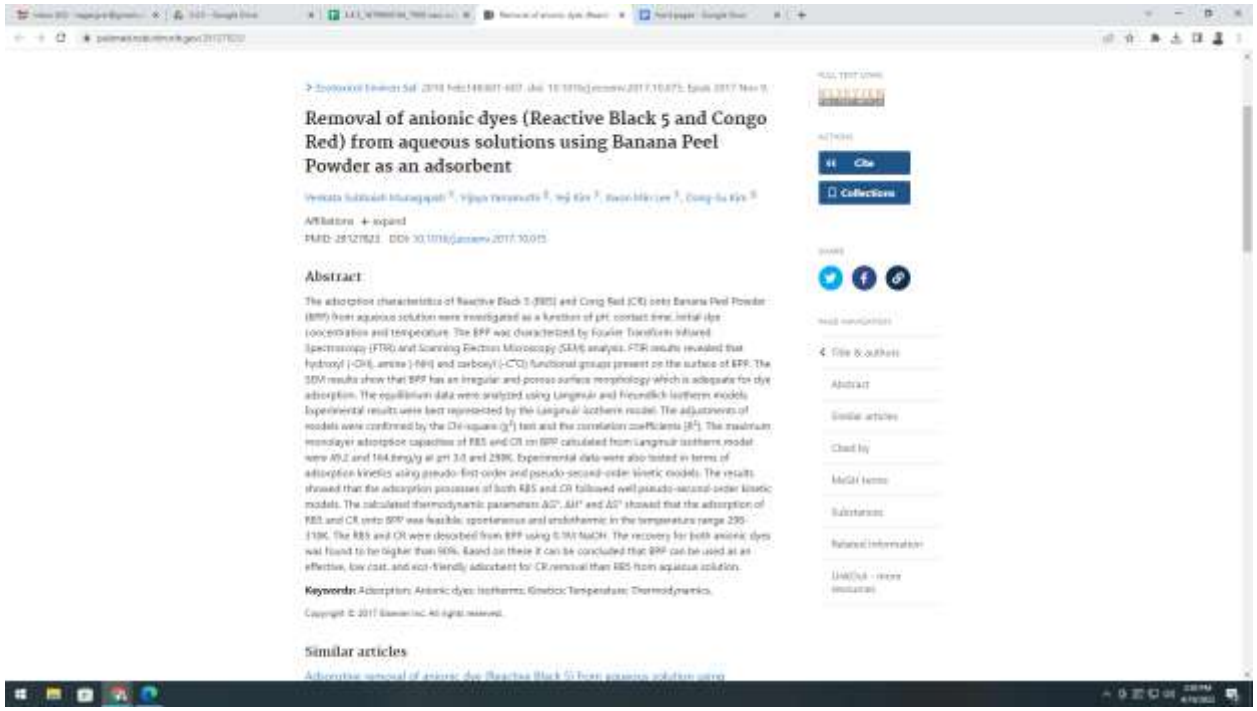
Abstract

Related research

Application of ZnO nanorods as an adsorbent material for the removal of As(III) from aqueous solution: kinetics, isotherms and thermodynamic studies

Abstract

Introduction



Removal of anionic dyes (Reactive Black 5 and Congo Red) from aqueous solutions using Banana Peel Powder as an adsorbent

Venkata Subbaiah Munagapati [1], Vijaya Yarramuthi [2], Jaji Kim [1], Kwon Min Lee [1], Dong-Su Kim [1]

Affiliations + expand

PMID: 28127823 DOI: 10.1016/j.ecoenv.2017.10.015

Abstract

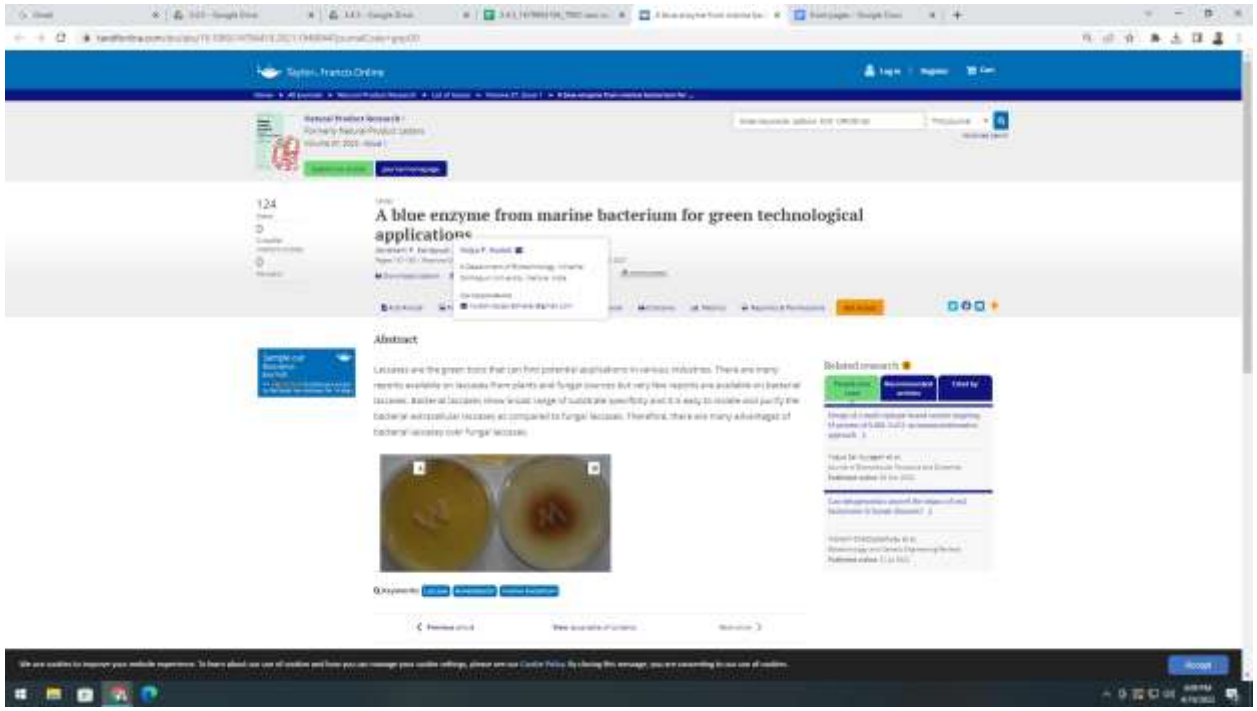
The adsorption characteristics of Reactive Black 5 (RB5) and Cong Red (CR) onto Banana Peel Powder (BPP) from aqueous solution were investigated as a function of pH, contact time, initial dye concentration and temperature. The BPP was characterized by Fourier Transform Infrared Spectroscopy (FTIR) and Scanning Electron Microscopy (SEM) analysis. FTIR results revealed that hydroxyl (-OH), amine (-NH) and carboxyl (-CO) functional groups present on the surface of BPP. The SEM results show that BPP has an irregular and porous surface morphology which is adequate for dye adsorption. The equilibrium data were analyzed using Langmuir and Freundlich isotherm models. Experimental results were best represented by the Langmuir isotherm model. The adjustments of models were confirmed by the Chi-square (χ^2) test and the correlation coefficients (R^2). The maximum monolayer adsorption capacities of RB5 and CR on BPP calculated from Langmuir isotherm model were 49.2 and 164.6mg/g at pH 3.0 and 298K. Experimental data were also tested in terms of adsorption kinetics using pseudo-first order and pseudo-second-order kinetic models. The results showed that the adsorption processes of both RB5 and CR followed well pseudo-second-order kinetic models. The calculated thermodynamic parameters $\Delta G°$, $\Delta H°$ and $\Delta S°$ showed that the adsorption of RB5 and CR onto BPP was feasible, spontaneous and endothermic in the temperature range 295-318K. The RB5 and CR were desorbed from BPP using 0.1M NaOH. The recovery for both anionic dyes was found to be higher than 90%. Based on these it can be concluded that BPP can be used as an effective, low cost, and eco-friendly adsorbent for CR removal than RB5 from aqueous solution.

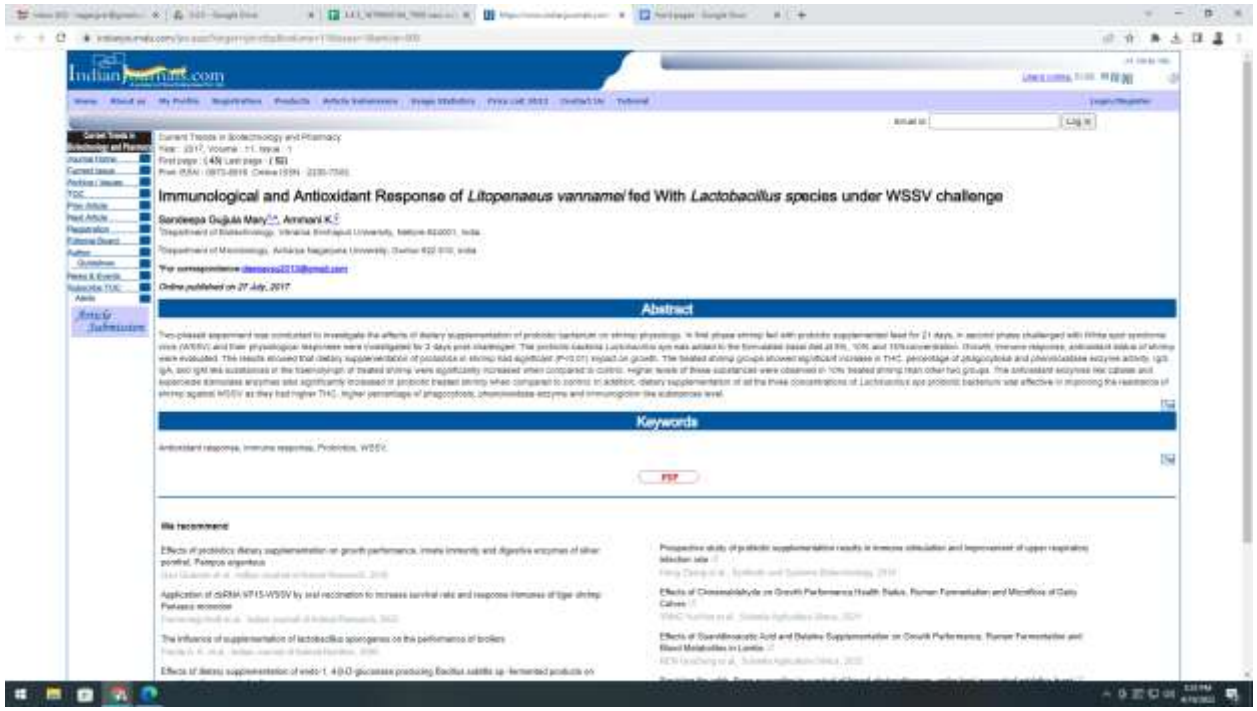
Keywords: Adsorption; Anionic dyes; Isotherms; Kinetics; Temperature; Thermodynamics.

Similar articles

Adsorptive removal of anionic dye (Reactive Black 5) from aqueous solution using

BIOTECHNOLOGY


A blue enzyme from marine bacterium for green technological applications
Abstract



Indianjournals.com

Current Trends in Biotechnology and Pharmacy

Vol. : 2017, Volume : 11, Issue : 3

First page : (439) Last page : (50)

Print ISSN : 0973-8916 Online ISSN : 2230-7346

Immunological and Antioxidant Response of *Litopenaeus vannamei* fed With *Lactobacillus* species under WSSV challenge

Sandeepa Gujjala Mary[1]*, **Ammani K.**[2]

[1]Department of Biotechnology, Vikrama Simhapuri University, Nellore-524001, India

[2]Department of Microbiology, Acharya Nagarjuna University, Guntur-522 510, India

*For correspondence: sandeepa2213@gmail.com

Online published on 27-July, 2017.

Abstract

Two-phased experiment was conducted to investigate the effects of dietary supplementation of probiotic bacterium on shrimp physiology. In first phase shrimp fed with probiotic supplemented feed for 21 days. In second phase challenged with White spot syndrome virus (WSSV) and their physiological responses were investigated for 3 days post challenged. The probiotic bacteria *Lactobacillus sps* was added to the formulated basal diet at 5%, 10% and 15% concentration. Growth, immune response, antioxidant status of shrimp were evaluated. The results showed that dietary supplementation of probiotics in shrimp had significant ($P<0.01$) impact on growth. The treated shrimp groups showed significant increase in THC, percentage of phagocytosis and phenoloxidase enzyme activity. IgG, IgA, and IgM like substances in the haemolymph of treated shrimp were significantly increased when compared to control. Higher levels of these substances were observed in 10% treated shrimp than other two groups. The antioxidant enzymes like catalase and superoxide dismutase enzymes also significantly increased in probiotic treated shrimp when compared to control. In addition, dietary supplementation of all the three concentrations of *Lactobacillus sps* probiotic bacterium was effective in improving the resistance of shrimp against WSSV as they had higher THC, higher percentage of phagocytosis, phenoloxidase enzyme and immunoglobin like substances level.

Keywords

Antioxidant response, Immune response, Probiotics, WSSV.

PDF

We recommend

Effects of probiotics dietary supplementation on growth performance, innate immunity and digestive enzymes of silver pomfret, Pampus argenteus

Application of dsRNA-VP15-WSSV by oral vaccination to increase survival rate and response immunes of type shrimp Penaeus monodon

The influence of supplementation of lactobacillus spongiosus on the performance of broilers

Effects of dietary supplementation of endo-1, 4-β-D-glucanase producing Bacillus subtilis sp. fermented products on

Prospective study of probiotic supplementation results in immune stimulation and improvement of upper respiratory infection rate

Effects of Cinnamaldehyde on Growth Performance Health Status, Rumen Fermentation and Microflora of Dairy Calves

Effects of Guanidinoacetic Acid and Betaine Supplementation on Growth Performance, Rumen Fermentation and Blood Metabolites in Lambs


REVIEW
Open Access
A review on importance of bioactive compounds of medicinal plants in treating idiopathic pulmonary fibrosis (special emphasis on isoquinoline alkaloids)
Abstract
Background:
Main text:
Short conclusion:
Keywords:
Background
SpringerOpen


Antioxidant potential and optimization of production of extracellular polysaccharide by Acinetobacter indicus M6
Journal of Genetic Engineering and Biotechnology
RESEARCH
Open Access
Antioxidant potential and optimization of production of extracellular polysaccharide by Acinetobacter indicus M6
Abstract

Article preview

Regional Studies in Marine Science

Green treatment of chromium contaminated water using *Spongomorpha indica*

Abstract

The current study presents chromium (VI) biosorption performance of Spongomorpha indica from synthetic medium. Spongomorpha indica, naturally available green marine alga was selected as an adsorbent. The influence of three process parameters i.e., initial pH, initial chromium (VI) ions concentration and Spongomorpha indica biomass dosage, on the performance of biosorbent was studied. CCD of RSM was adopted to optimize process parameters and the results were analyzed using ANOVA to determine significance of influential parameters and their interaction effect on process efficiency. The predicted optimum values i.e., the biosorption 95.268, pH 5.62, initial Cr(VI) concentration 53.82 mg/L and Spongomorpha indica biomass dosage 0.04 g/L through

Potential of artificial intelligence to accelerate diagnosis and drug discovery for COVID-19

Peer

Potential of artificial intelligence to accelerate diagnosis and drug discovery for COVID-19

Indira Mikkili[1], Abraham Peele Kerlapudi[1], T. C. Venkateswarulu[2], Vidya Prabhakar Kodali[1], Deepika Sri Singh Macamdas[1] and Krupanidhi Sreerama[1]

[1] Biotechnology, Vignan's Foundation for Science, Technology & Research, Guntur, Andhra Pradesh, India
[2] Biotechnology, Yogi Vemana University, Kadapa, Andhra Pradesh, India

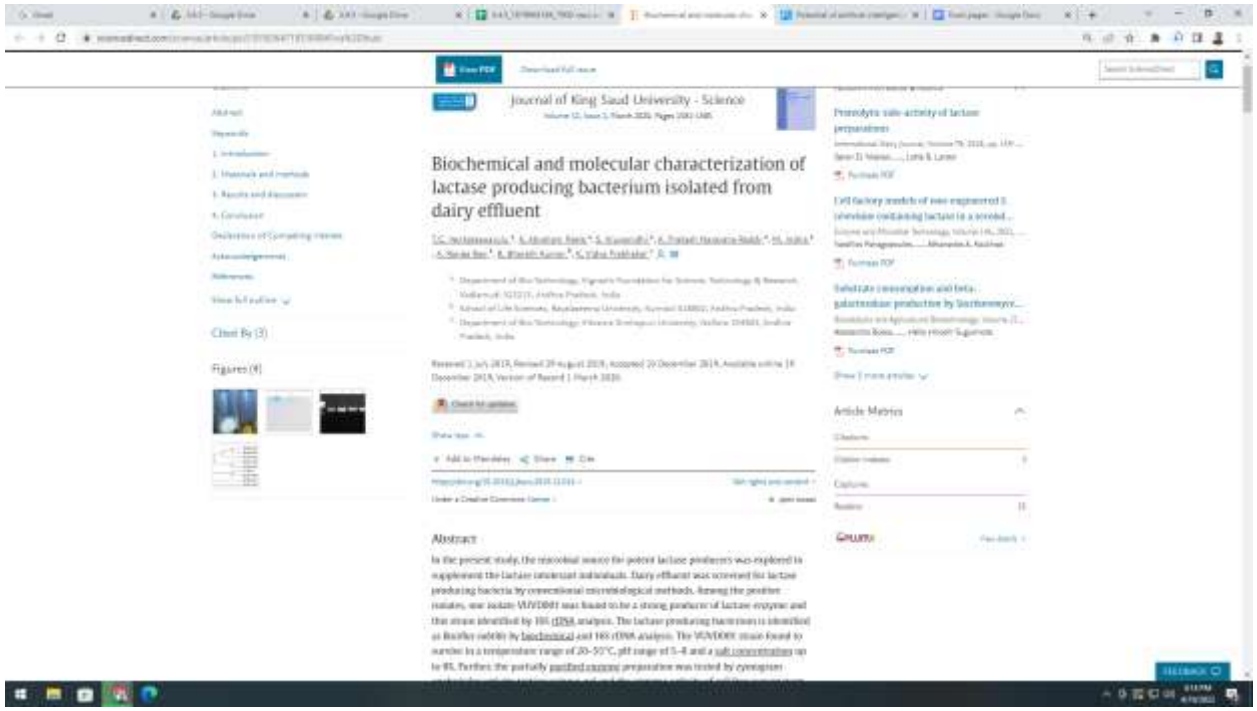
ABSTRACT

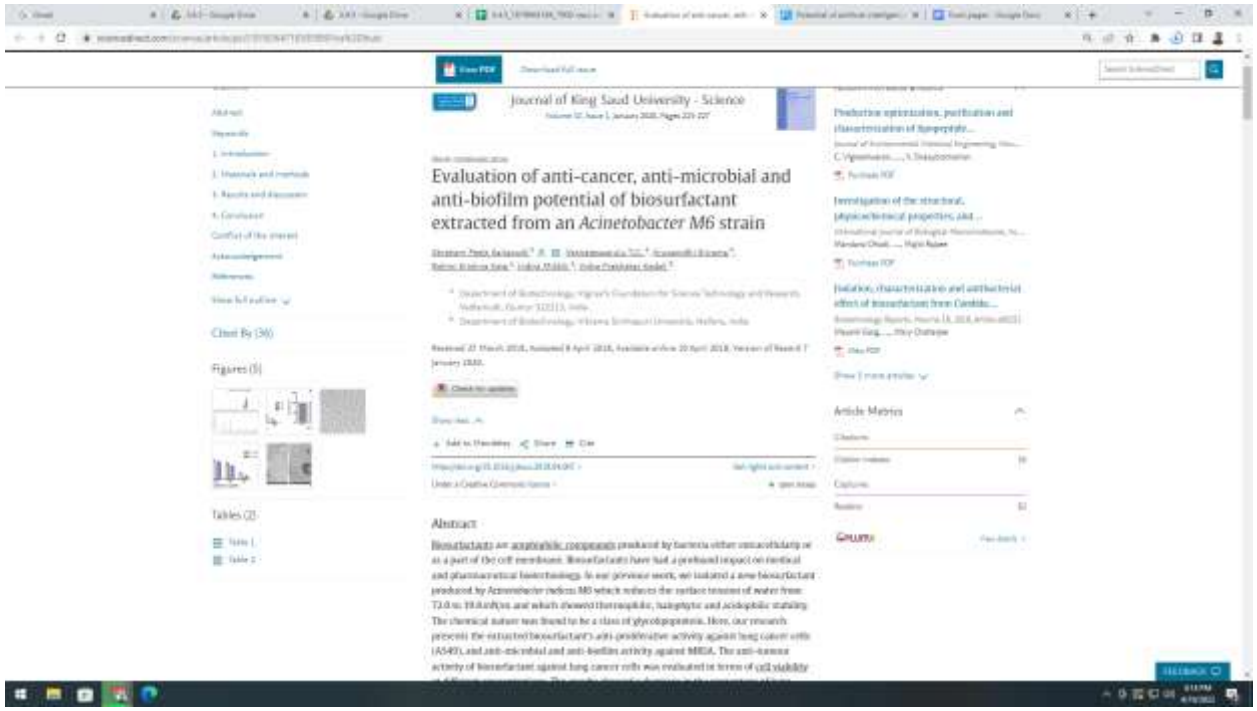
The coronavirus disease (COVID-19) pandemic has caused havoc worldwide. The tests currently used to diagnose COVID-19 are based on real time reverse transcription polymerase chain reaction (RT-PCR), computed tomography medical imaging techniques and immunoassays. It takes 2 days to obtain results from the RT-PCR test and also shortage of test kits creating a requirement for alternate and rapid methods to accurately diagnose COVID-19. Application of artificial intelligence technologies such as the Internet of Things, machine learning tools and big data analysis to COVID-19 diagnosis could yield rapid and accurate results. The neural networks and machine learning tools can also be used to develop potential drug molecules. Pharmaceutical companies face challenges linked to the costs of drug molecules, research and development efforts, reduced efficiency of drugs, safety concerns and the conduct of clinical trials. In this review, relevant features of artificial intelligence and their potential applications in COVID-19 diagnosis and drug development are highlighted.

Subjects Bioinformatics, Drugs and Devices, Computational Science
Keywords Machine learning, Neural networks, Drug discovery, Reverse transcriptase polymerase chain reaction, Artificial intelligence, Computed tomography, SARS CoV-2, Pharmacogenomics, Homology modeling, Protein prediction

INTRODUCTION

The COVID-19 pandemic is a worldwide health crisis. The causative agent for COVID-19 disease is severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (Wrapp et al. 2020,


Journal of King Saud University - Science
Biochemical and molecular characterization of lactase producing bacterium isolated from dairy effluent
Abstract


Journal of King Saud University - Science
Evaluation of anti-cancer, anti-microbial and anti-biofilm potential of biosurfactant extracted from an *Acinetobacter M6* strain
Abstract

Characterization of bacteriocin ABC transporter ATP-binding protein produced by a newly isolated Enterococcus ca... 1 / 7 64%

Beni-Suef University Journal of Basic and Applied Sciences

RESEARCH Open Access

Characterization of bacteriocin ABC transporter ATP-binding protein produced by a newly isolated *Enterococcus casseliflavus* MI001 strain

Abstract

Background: ATP-binding cassette (ABC) transporters constitute one of the largest transporter protein families and play a role in diverse biological processes.

Results: In the present study, bacteriocin isolated from the *Enterococcus casseliflavus* MI001 strain was identified as an ABC transporter ATP-binding protein. The optimal conditions for the production of bacteriocin were found to be at 35 °C, a pH 6.5, and an incubation time of 24 h. Purification was performed using ammonium sulphate precipitation, gel filtration, and DEAE ion exchange chromatography. The bacteriocin was purified with an approximate purification scheme resulting with a specific activity of 15,666 AU/mg. The NMR spectrum of purified bacteriocin revealed the presence of amino acids, namely valine, methionine, cysteine, proline, threonine, tryptophan, and histidine. Further, the bacteriocin MBC component showed antimicrobial activity against food spoilage microorganisms.

Conclusions: The ABC transporter ATP-binding protein could be used as a potential alternative for food preservatives since it may be considered as a bio-preservative agent in food processing industries.

Keywords: Bacteriocin, *Enterococcus casseliflavus* MI001 strain, ABC transporter, Time-kill study/curve, NMR spectrum

1 Introduction

Living organisms depend on various means of transport for the uptake of essential nutrients and regulation of waste products into the surrounding environment [4]. ATP-binding cassette (ABC) transporters are one of the largest superfamilies of transport proteins present in all forms of life. They play diverse roles in both prokaryotes and eukaryotes. These transporters are the primary transporters functioning as both importers and exporters. Importers mediate the uptake of essential nutrients, vitamins, and ions from the surrounding environment, whereas exporters export substrates to the surrounding environment. Based on the type of substrate exported, they are categorized into various types. One such substrate is bacteriocin, and the transporter proteins exporting bacteriocin are called bacteriocin ABC transporters. They export bacteriocin across the cell membrane via a permeable function. The peptidase domain resides in the N-terminal region. The ABC transporter domain is in the C-terminal and central multi-pass transmembrane region. Bacteriocin synthesized as propeptides are processed through the ABC transporter system and exported from cells as mature peptides [5]. Bacteriocins are secreted by either a double glycine leader or the N-terminal part of the pre-bacteriocin as executed by a sec system [11]. Due to the presence of a glycine leader on the N-

*Correspondence: [redacted]
[redacted]
Department of Bio Technology, Hajee Karutha Rowther Howia Institute of Science, Technology & Research, Kathankudy-Kattankudy, Eastern 31527, Sri Lanka
Full list of author information is available at the end of the article

IndianJournals.com

Users online: 1783

Home | About us | My Profile | Registration | Products | Article Submission | Usage Statistics | Price List 2023 | Contact Us | Tutorial | Login/Register

Email id | Log In

Current Trends in Biotechnology and Pharmacy

Journal Home | Current Issue | Archive / Issues | TOC | Prev Article | Next Article | Registration | Editorial Board | Author Guidelines | News & Events | Subscribe TOC Alerts

Article Submission

Current Trends in Biotechnology and Pharmacy
Year : 2019, Volume : 13, Issue : 1
First page : (64) Last page : (71)
Print ISSN : 0973-8916. Online ISSN : 2230-7303.

Characterization of Bacteriocin Producing Probiotic Properties of *Enterococcus casseliflavus* MI001 Isolated from Curd Sample

Indira M.[1], Venkateswarulu T.C.[1], Peele K. Abraham[1], Prabhakar K. Vidya[2], Krupanidhi S.[1,*]

[1]Department of Biotechnology, Vignan's Foundation for Science, Technology & Research, Vadlamudi-522213, Andhra Pradesh, India

[2]Department of Biotechnology, Vikrama Simhapuri University, Nellore-524001, Andhra Pradesh, India

*Corresponding Author: krupanidhi.srirama@gmail.com

Online published on 30 December, 2019.

Abstract

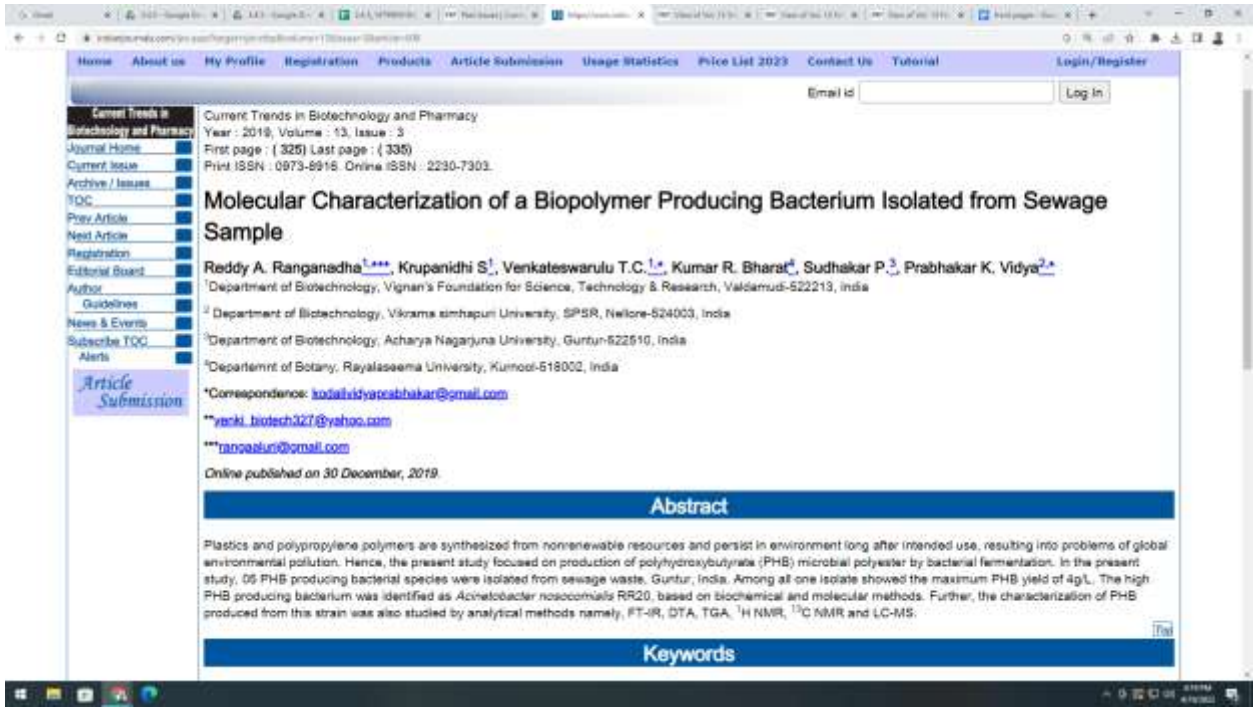
The identification of bacteriocin with a wide activity spectrum as a consequence of bacterial infections and spoilage microorganisms addresses an important aspect of food safety. In this study, the potential bacteriocin-producing bacterium was preliminarily confirmed as *Enterococcus* species and the isolate was identified as *Enterococcus casseliflavus* MI001. The probiotic properties of *E. casseliflavus* MI001 was studied for acid and bile tolerance tests. In addition, the aggregation and co-aggregation ability of the strain to protect the host from colonization was studied. Further, the strain was also found antibiotic susceptible against commonly available antibiotics.

Top

Keywords

Bacteriocin; Probiotic; *Enterococcus casseliflavus*; Antimicrobial activity.

Top



Home About us My Profile Registration Products Article Submission Usage Statistics Price List 2023 Contact Us Tutorial Login/Register

Email id Log In

Current Trends in Biotechnology and Pharmacy

Journal Home
Current Issue
Archive / Issues
TOC
Prev Article
Next Article
Registration
Editorial Board
Author Guidelines
News & Events
Subscribe TOC Alerts

Article Submission

Current Trends in Biotechnology and Pharmacy
Year : 2019, Volume : 13, Issue : 3
First page : (325) Last page : (335)
Print ISSN : 0973-8916. Online ISSN : 2230-7303.

Molecular Characterization of a Biopolymer Producing Bacterium Isolated from Sewage Sample

Reddy A. Ranganadha[1,***], Krupanidhi S[1], Venkateswarulu T.C.[1,*], Kumar R. Bharat[4], Sudhakar P.[3], Prabhakar K. Vidya[2,*]

[1]Department of Biotechnology, Vignan's Foundation for Science, Technology & Research, Vadlamudi-522213, India

[2] Department of Biotechnology, Vikrama simhapuri University, SPSR, Nellore-524003, India

[3]Department of Biotechnology, Acharya Nagarjuna University, Guntur-522510, India

[4]Departemnt of Botany, Rayalaseema University, Kurnool-518002, India

*Correspondence: kodalividyaprabhakar@gmail.com

**venki_biotech327@yahoo.com

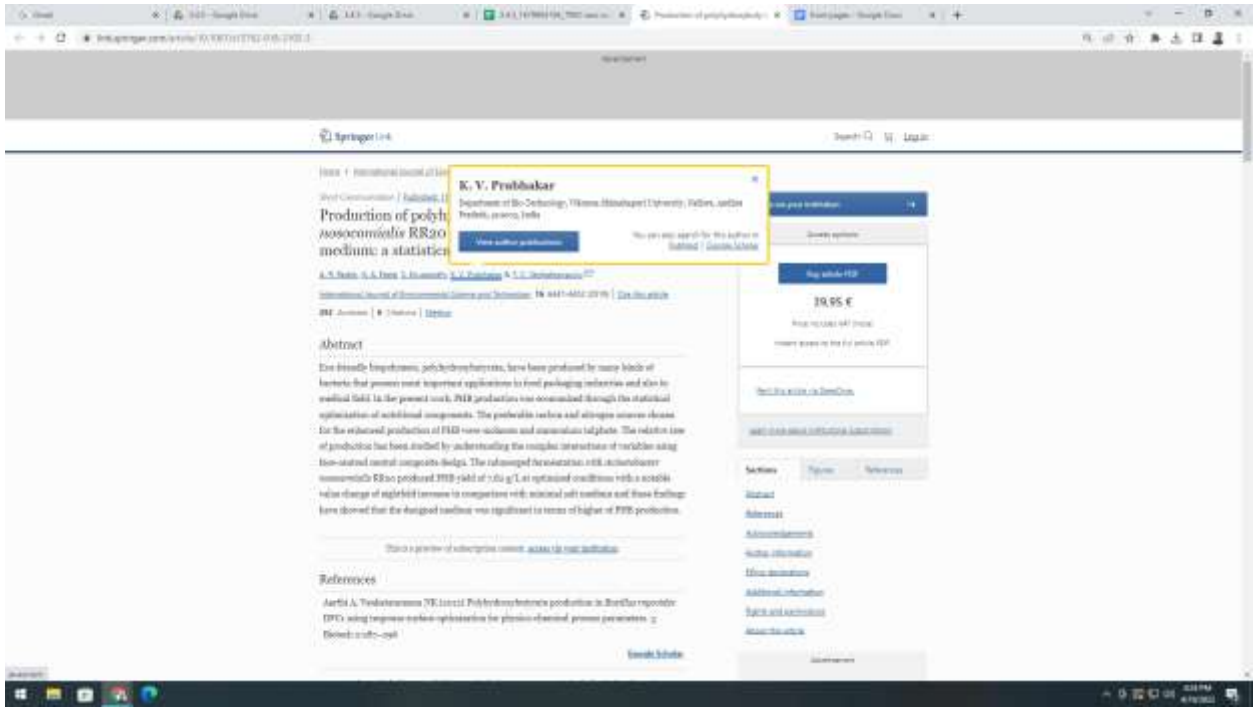
***rangaaluri@gmail.com

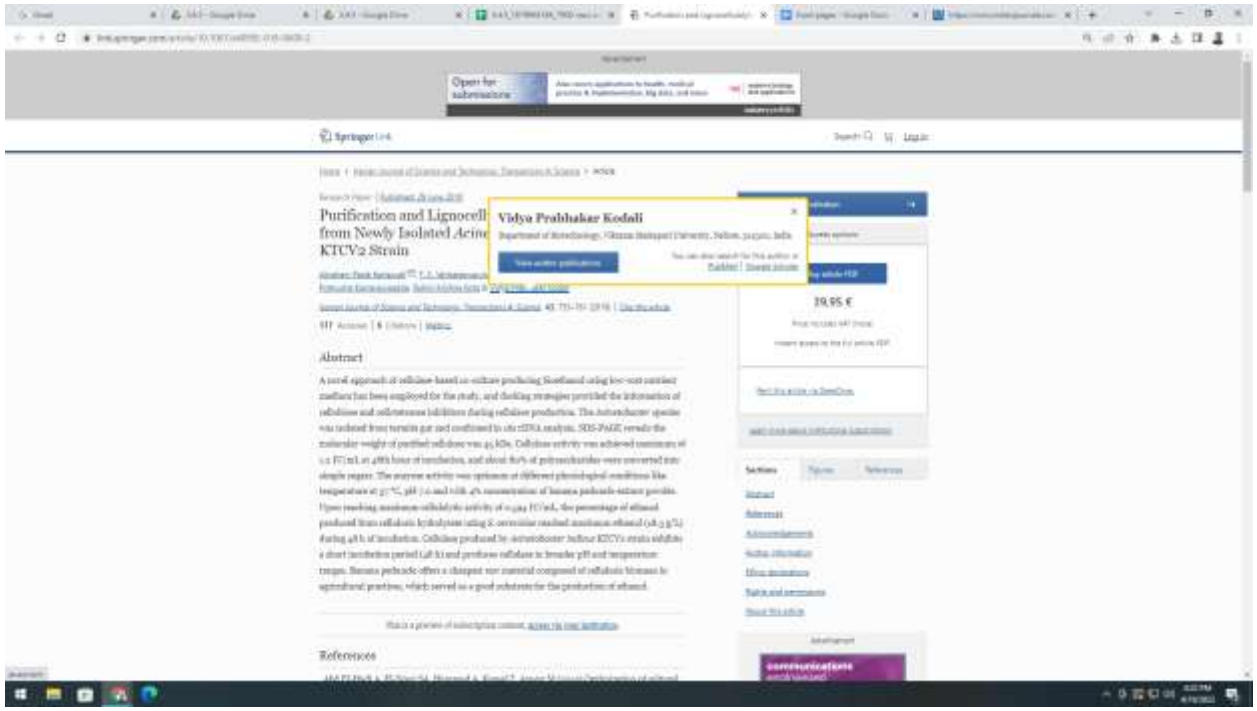
Online published on 30 December, 2019.

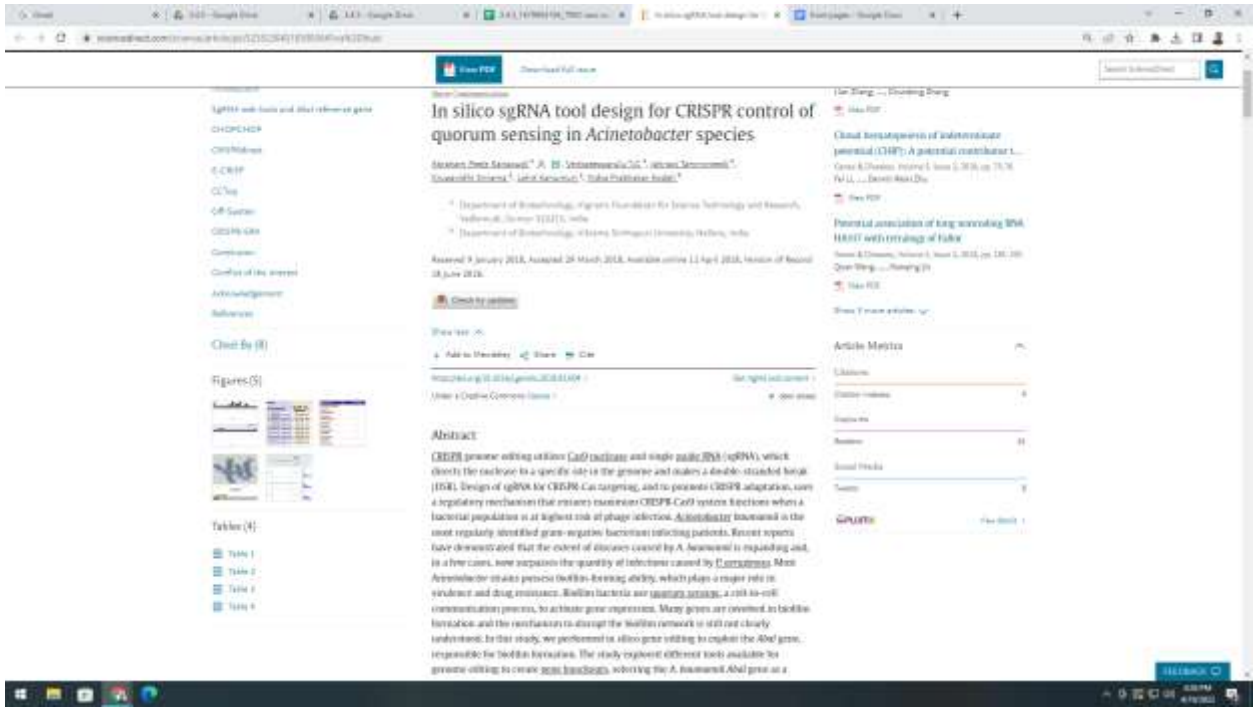
Abstract

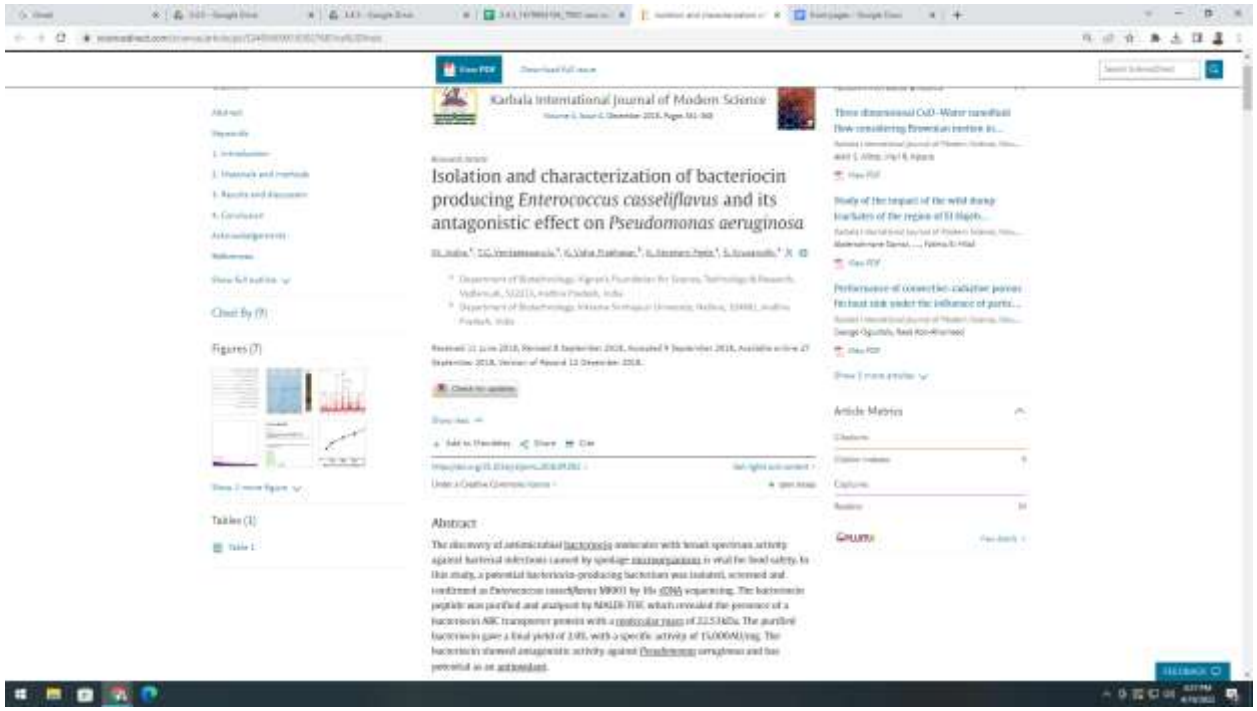
Plastics and polypropylene polymers are synthesized from nonrenewable resources and persist in environment long after intended use, resulting into problems of global environmental pollution. Hence, the present study focused on production of polyhydroxybutyrate (PHB) microbial polyester by bacterial fermentation. In the present study, 05 PHB producing bacterial species were isolated from sewage waste, Guntur, India. Among all one isolate showed the maximum PHB yield of 4g/L. The high PHB producing bacterium was identified as *Acinetobacter nosocomialis* RR20, based on biochemical and molecular methods. Further, the characterization of PHB produced from this strain was also studied by analytical methods namely, FT-IR, DTA, TGA, ^{1}H NMR, ^{13}C NMR and LC-MS.

Keywords


K. V. Prabhakar
Department of Bio-Technology, Vikrama Simhapuri University, Nellore, andhra Pradesh, 524320, India
View author publications
Production of polyh
zosaccromiella RR20
medium: a statistica
Abstract
Eco-friendly biopolymers, polyhydroxyalkanoates, have been produced by many kinds of bacteria that possess many important applications in food packaging industries and also in medical field. In the present work, PHB production was accumulated through the statistical optimization of nutritional components. The preferable carbon and nitrogen sources chosen for the enhanced production of PHB were sucrose and ammonium sulphate. The relative rate of production has been studied by understanding the complex interactions of variables using face-centred central composite design. The ratio
nosocomialis RR20 produced PHB yield of 7.62 g/L at optimized conditions with a notable value change of eightfold increase in comparison with minimal salt medium and these findings have showed that the designed medium was significant in terms of higher of PHB production.
References
Buy article PDF
39.95 €
Sections
Abstract
References
Acknowledgements
Author information
Ethics declarations
Additional information
Rights and permissions
About this article


Vidya Prabhakar Kodali
Abstract
References
19.95 €


In silico sgRNA tool design for CRISPR control of quorum sensing in *Acinetobacter* species
Abstract


Karbala International Journal of Modern Science
Isolation and characterization of bacteriocin producing Enterococcus casseliflavus and its antagonistic effect on Pseudomonas aeruginosa
Abstract

Home About us My Profile Registration Products Article Submission Usage Statistics Price List 2023 Contact Us Tutorial Login/Register

Email id Log In

Current Trends in Biotechnology and Pharmacy

Journal Home
Current Issue
Archive / Issues
TOC
Prev Article
Next Article
Registration
Editorial Board
Author Guidelines
News & Events
Subscribe TOC Alerts

Article Submission

Current Trends in Biotechnology and Pharmacy
Year : 2018, Volume : 12, Issue : 2
First page : (158) Last page : (168)
Print ISSN : 0973-8916. Online ISSN : 2230-7303.

Optimization of process parameters for Poly Hydroxy Butyrate Production from Isolated *Acinetobacter nosocomialis* RR20 through Submerged Fermentation

Reddy A. Ranganadha[1], Venkateswarulu T.C.[1,*], Sudhakar P.[3], Krupanidhi S.[1], Prabhakar K. Vidya[2,*]

[1]Department of Biotechnology, Vignan's Foundation for Science, Technology & Research, Vadlamudi-522 213, India

[2]Department of Biotechnology, Vikrama Simhapuri University, SPSR, Nellore-524003, India

[3]Department of Biotechnology, Acharya Nagarjuna University, Guntur-522510, India

*For Correspondence- kodalividyaprabhakar@gmail.com and venkl_biotech327@yahoo.com

Online published on 30 December, 2019.

Abstract

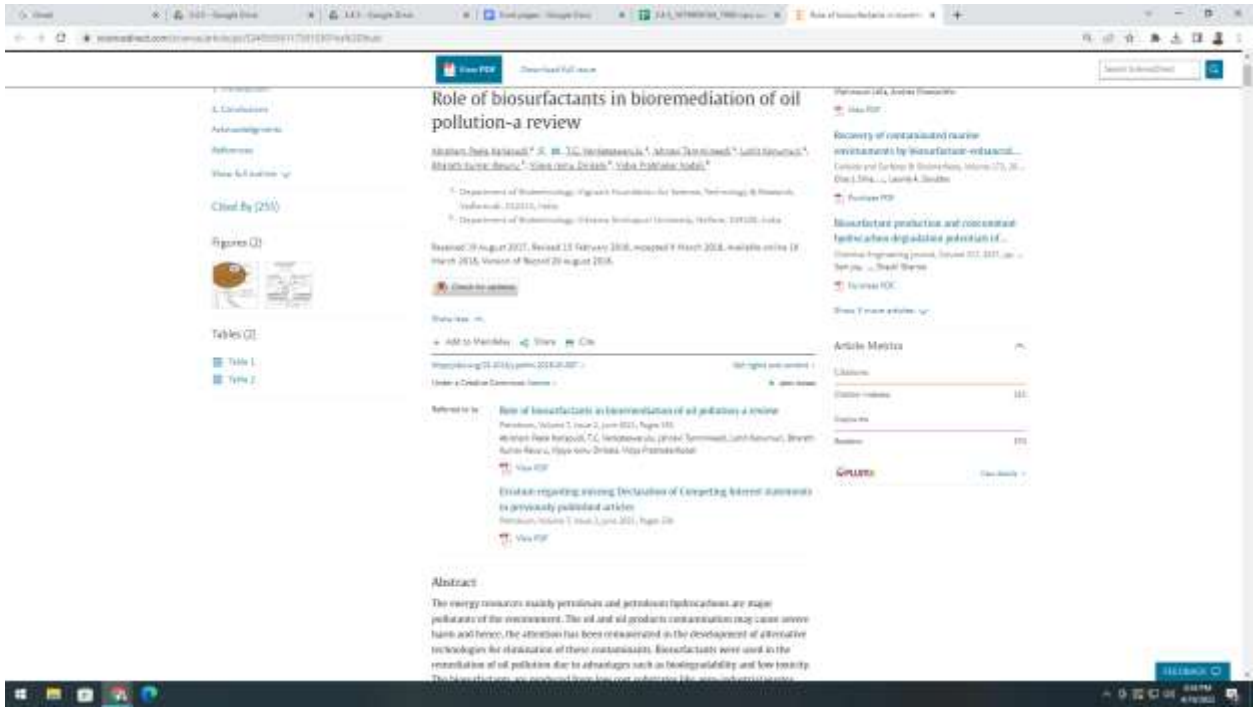
Poly Hydroxy Butyrate member of polyhydroxyalkanoates family and is generally used as an alternative to polypropylene based plastic. Production of Poly Hydroxy Butyrate, biodegradable polymer from industrial wastes has several advantages such as recycle of waste and the production of high valuable products. It has been isolated from various sources till date. In this study, different strains of isolated bacteria were evaluated for their PHB productivity, but *Acintobacter nosocomialis* RR20 strain resulted highest production. Therefore, optimization of process parameters was determined in batch fermentation mode using one-parameter-at atime approach for enhanced production of PHB. The influence of physical and chemical variables namely incubation temperature, incubation time, inoculums size, pH, carbon source, nitrogen source and mineral salts were studied for improving the production of PHB. Maximum PHB was found 4.17 g/L at optimized conditions of incubation period 48 h, temperature 37°C, pH 7.0, inoculums size of 4%, 30g/L molasses, 3g/L Ammonium sulphate and $MgSO_4$, 0.3g/L.

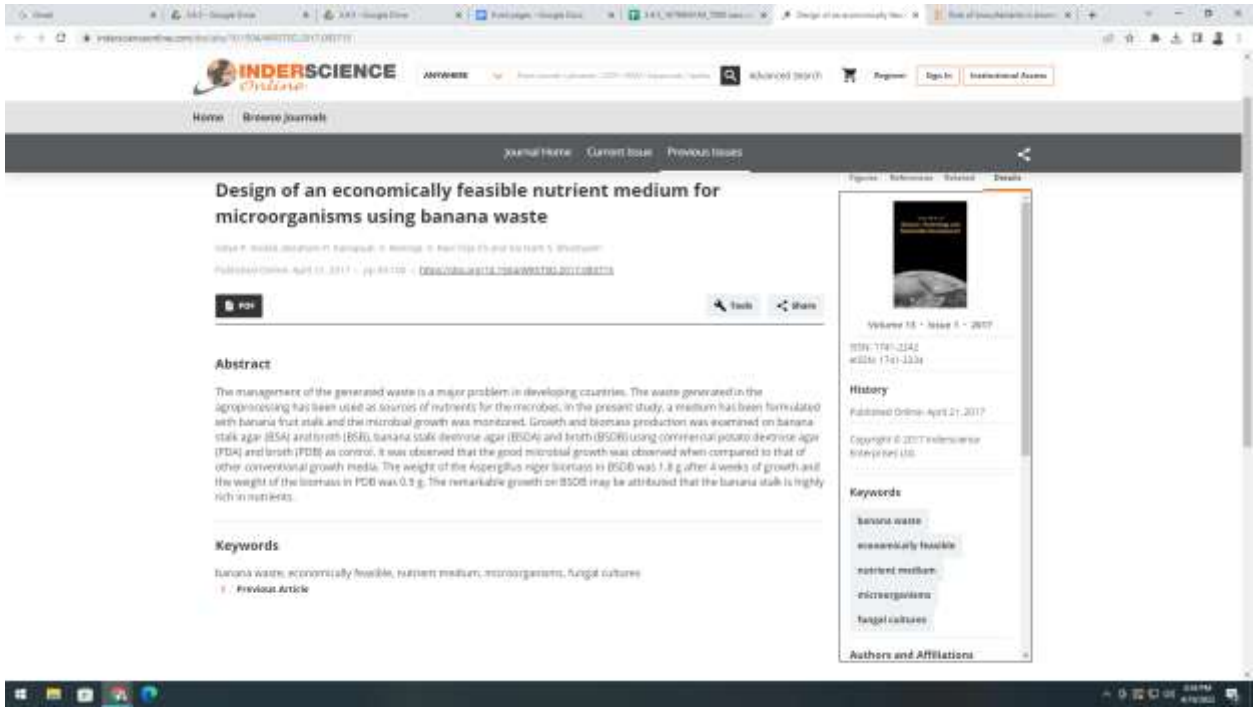
Top

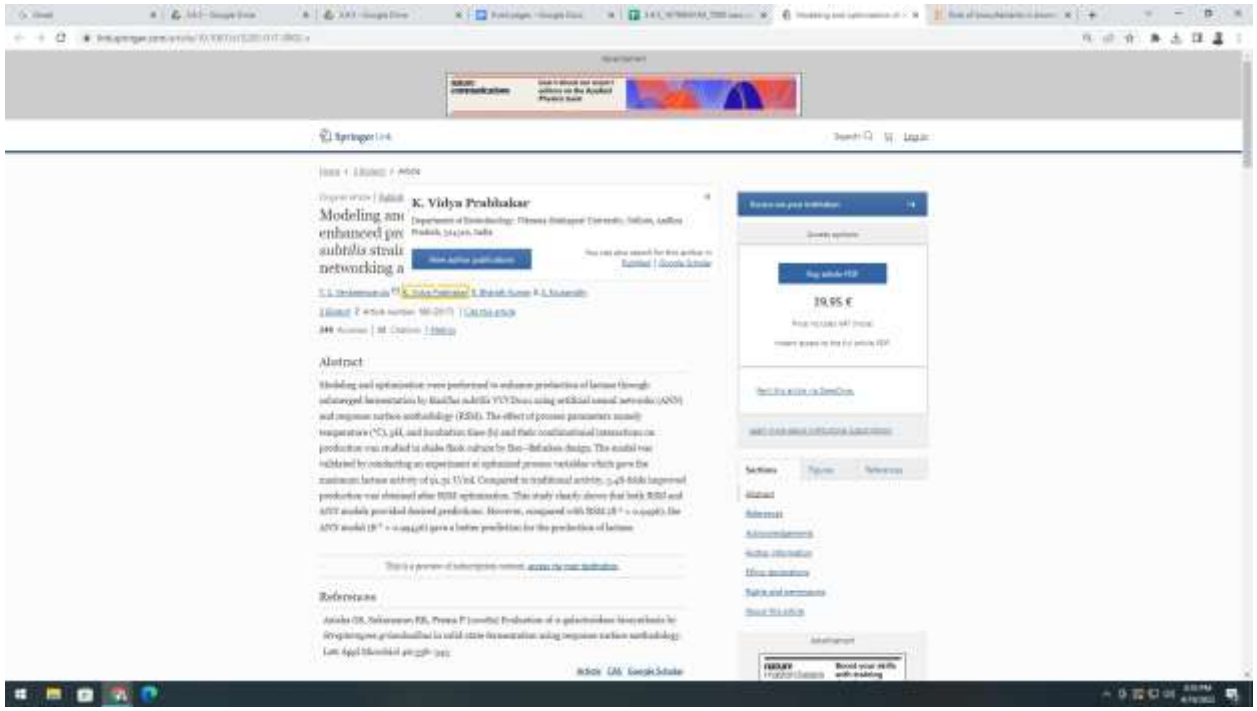
Keywords

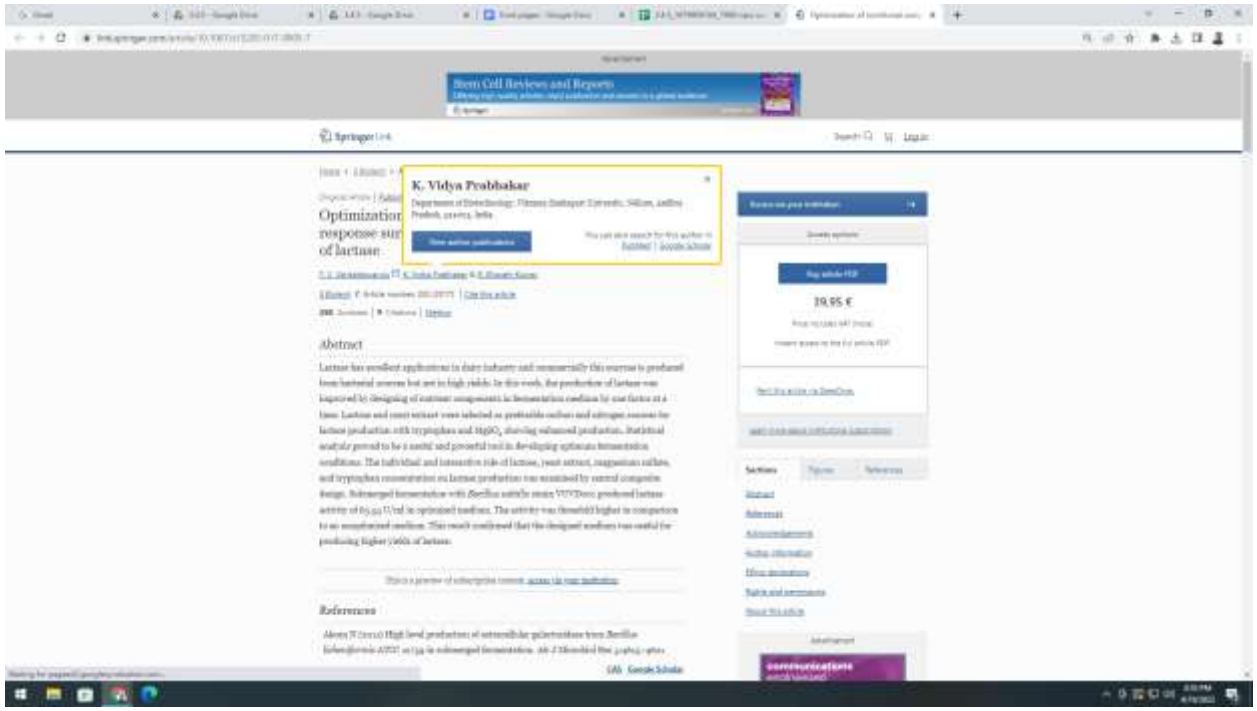
PHB, *A.nosocomialis RR20*, Shake flask culture, Process variables.

Top


Role of biosurfactants in bioremediation of oil pollution-a review
Abstract


INDERSCIENCE
Home
Browse journals
Journal Home
Current Issue
Previous Issues
Design of an economically feasible nutrient medium for microorganisms using banana waste
Abstract
The management of the generated waste is a major problem in developing countries. The waste generated in the agroprocessing has been used as sources of nutrients for the microbes. In the present study, a medium has been formulated with banana fruit stalk and the microbial growth was monitored. Growth and biomass production was examined on banana stalk agar (BSA) and broth (BSB), banana stalk dextrose agar (BSDA) and broth (BSDB) using commercial potato dextrose agar (PDA) and broth (PDB) as control. It was observed that the good microbial growth was observed when compared to that of other conventional growth media. The weight of the Aspergillus niger biomass in BSDB was 1.8 g after 4 weeks of growth and the weight of the biomass in PDB was 0.3 g. The remarkable growth on BSDB may be attributed that the banana stalk is highly rich in nutrients.
Keywords
banana waste, economically feasible, nutrient medium, microorganisms, fungal cultures
Previous Article
History
Keywords
banana waste
economically feasible
nutrient medium
microorganisms
fungal cultures
Authors and Affiliations


K. Vidya Prabhakar
Abstract
References
19.95 €


Stem Cell Reviews and Reports
K. Vidya Prabhakar
Optimization
of lactase
Abstract
References
19.95 €

IndianJournals.com

Users online: 1306

Home | About us | My Profile | Registration | Products | Article Submission | Usage Statistics | Price List 2023 | Contact Us | Tutorial | Login/Register

Email id | Log In

Current Trends in Biotechnology and Pharmacy

Journal Home | Current Issue | Archive / Issues | TOC | Prev Article | Next Article | Registration | Editorial Board | Author Guidelines | News & Events | Subscribe TOC Alerts

Article Submission

Current Trends in Biotechnology and Pharmacy
Year : 2017, Volume : 11, Issue : 4
First page : (370) Last page : (375)
Print ISSN : 0973-8916. Online ISSN : 2230-7303.

Optimization of Variables for Lactase Production from Isolated *Bacillus subtilis strain*VUVD001 Through Submerged Fermentation

Venkateswarulu T.C.[1,*], Prabhakar K. Vidya[2], Kumar R. Bharath[1], Krupanidhi S.[1]

[1]Department of Biotechnology, Vignan's Foundation for Science, Technology and Research University, Vadlamudi-522213, Andhra Pradesh, India

[2] Department of Biotechnology, Vikrama Simhapuri University, Nellore-524320, Andhra Pradesh, India

*For Correspondence- venki_biotech327@yahoo.com

Online published on 2 November, 2018.

Abstract

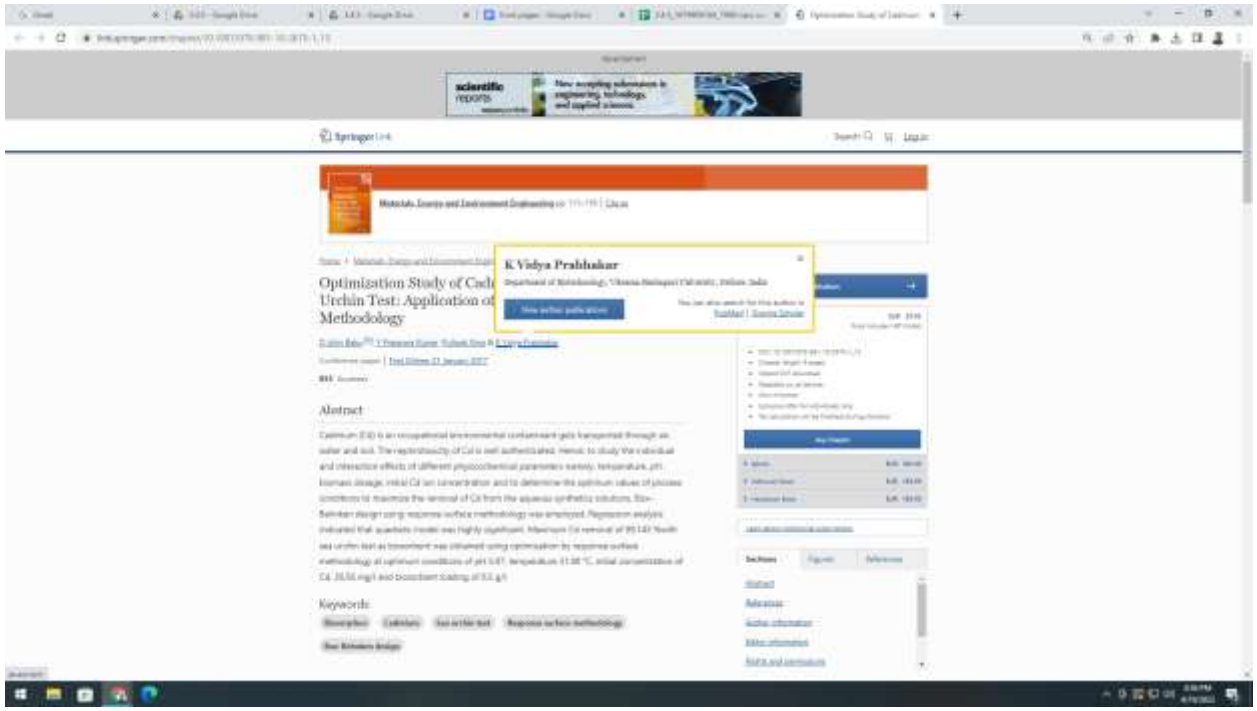
Lactase enzyme is commercially important and is generally used for lactose hydrolysis in milk and whey. To date, it has been isolated from various sources. In this study, different strains of isolated bacteria were evaluated for their lactase productivity, but *Bacillus subtilis* VUVD001 resulted with the highest production. Therefore, optimal physical conditions were determined in batch fermentation process using one-variable-at-a-time approach for the production of lactase. The influence of some physical conditions namely pH, incubation temperature and time, inoculum size on enzyme production were studied for higher yield. Maximum activity of lactase in shake flask culture was found 15.27 U/ml at optimized conditions of incubation period 36 h, temperature 37°C, pH 7.0 and inoculums size of 5%.

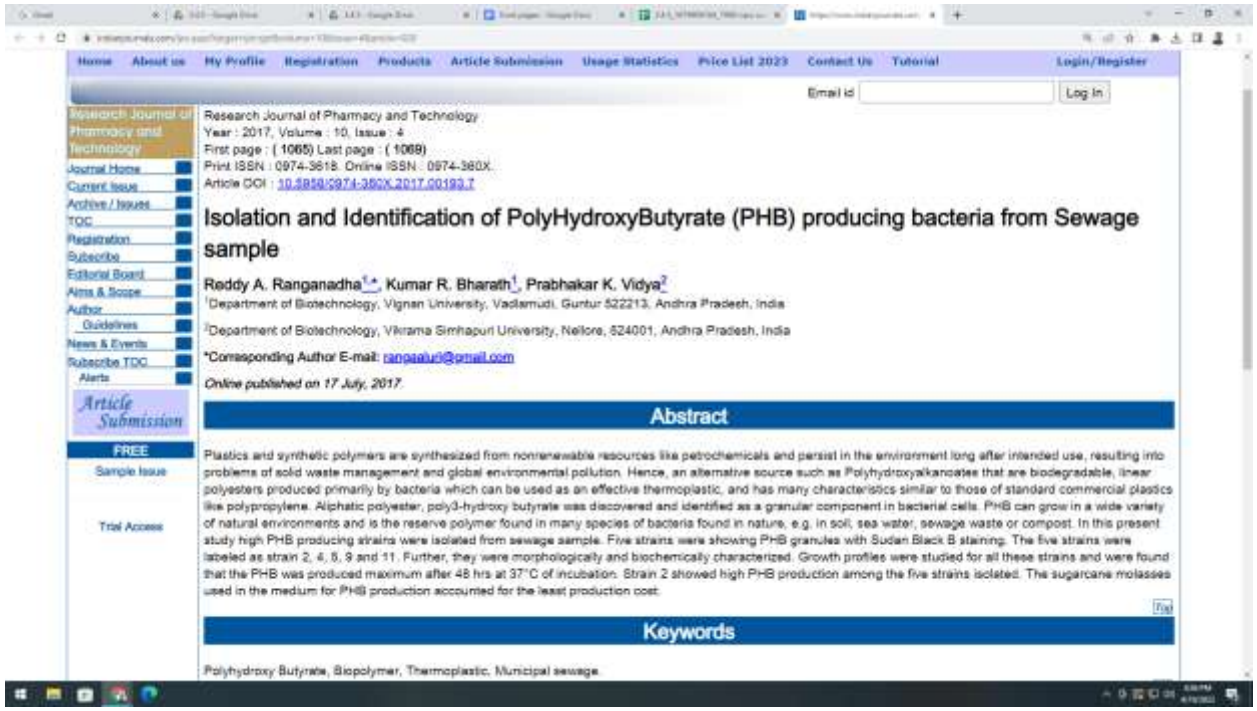
Top

Keywords

Lactase, *Bacillus subtilis*VUVD001, Shake Flask Culture.

Top


scientific reports
Springer Link
K Vidya Prabhakar
Optimization Study of Cad
Urchin Test: Application of
Methodology
Abstract
Keywords



Home About us My Profile Registration Products Article Submission Usage Statistics Price List 2023 Contact Us Tutorial Login/Register

Email id Log In

Research Journal of Pharmacy and Technology

Journal Home
Current Issue
Archive / Issues
TOC
Registration
Subscribe
Editorial Board
Aims & Scope
Author Guidelines
News & Events
Subscribe TOC Alerts

Article Submission

FREE
Sample Issue
Trial Access

Research Journal of Pharmacy and Technology
Year : 2017, Volume : 10, Issue : 4
First page : (1065) Last page : (1069)
Print ISSN : 0974-3618. Online ISSN : 0974-360X.
Article DOI : 10.5958/0974-360X.2017.00193.7

Isolation and Identification of PolyHydroxyButyrate (PHB) producing bacteria from Sewage sample

Reddy A. Ranganadha[1,*], Kumar R. Bharath[1], Prabhakar K. Vidya[2]
[1]Department of Biotechnology, Vignan University, Vadlamudi, Guntur 522213, Andhra Pradesh, India
[2]Department of Biotechnology, Vikrama Simhapuri University, Nellore, 524001, Andhra Pradesh, India
*Corresponding Author E-mail: rangaabu@gmail.com

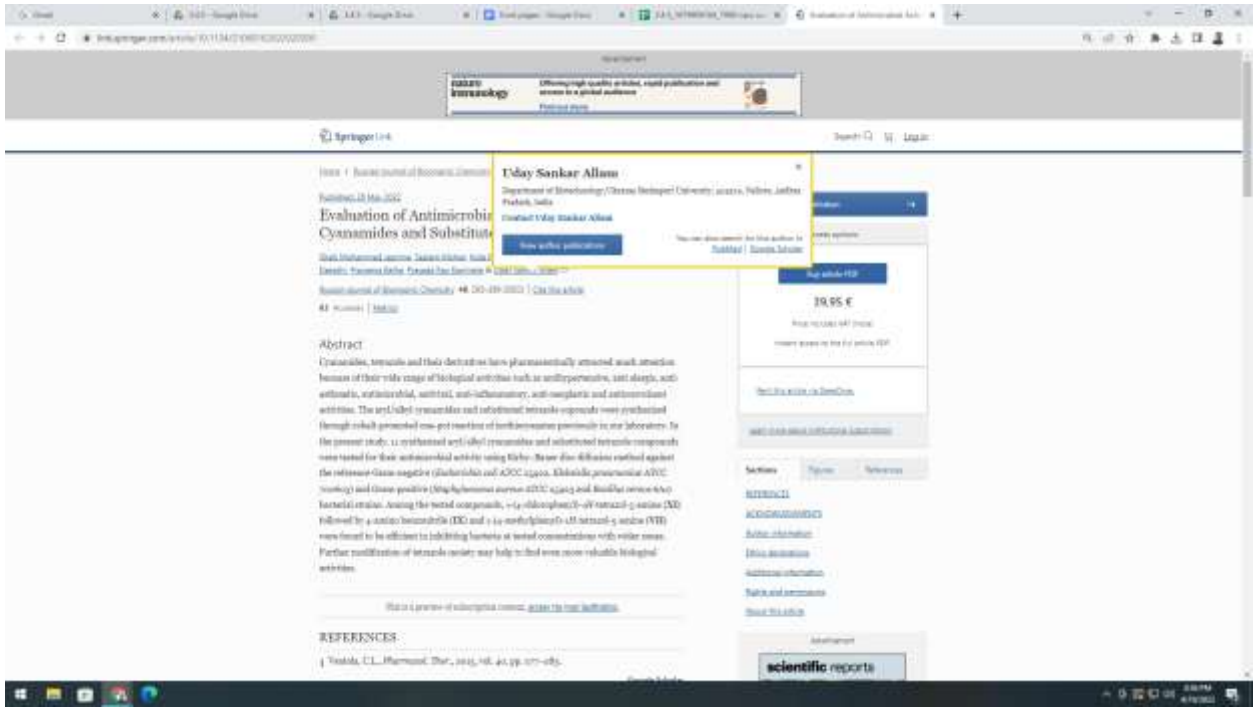
Online published on 17 July, 2017.

Abstract

Plastics and synthetic polymers are synthesized from nonrenewable resources like petrochemicals and persist in the environment long after intended use, resulting into problems of solid waste management and global environmental pollution. Hence, an alternative source such as Polyhydroxyalkanoates that are biodegradable, linear polyesters produced primarily by bacteria which can be used as an effective thermoplastic, and has many characteristics similar to those of standard commercial plastics like polypropylene. Aliphatic polyester, poly3-hydroxy butyrate was discovered and identified as a granular component in bacterial cells. PHB can grow in a wide variety of natural environments and is the reserve polymer found in many species of bacteria found in nature, e.g. in soil, sea water, sewage waste or compost. In this present study high PHB producing strains were isolated from sewage sample. Five strains were showing PHB granules with Sudan Black B staining. The five strains were labeled as strain 2, 4, 5, 9 and 11. Further, they were morphologically and biochemically characterized. Growth profiles were studied for all these strains and were found that the PHB was produced maximum after 48 hrs at 37°C of incubation. Strain 2 showed high PHB production among the five strains isolated. The sugarcane molasses used in the medium for PHB production accounted for the least production cost.

Keywords

Polyhydroxy Butyrate, Biopolymer, Thermoplastic, Municipal sewage.


Uday Sankar Allam
Contact Uday Sankar Allam
View author publications
Evaluation of Antimicrobi
Cyanamides and Substitute
Abstract
REFERENCES
39.95 €
scientific reports

Annals of R.S.C.B., ISSN 1583-6258, Vol. 25, Issue 4, 2021, Pages 14228-14246
Received 05 March 2021; Accepted 01 April 2021

Functional Characterization of traditional rice based alcoholic beverages of Assam, North East India

Chayanika Devi[1#], Pankaj Kalita[1#], Himashri Deka[1], Himjyoti Dutta[3], Ajit K Tamuli[2], Dipak Konwar[2], Chadipiralla Kiranmai[5]*, Pichili Vijaya Bhaskar Reddy[1]*

[1]Department. of Life Science & Bioinformatics, Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India
[2]Department of Zoology, Eastern Karbi Anglong College, Sarihajan, Karbi Anglong, Assam, India
[3]Department of Food Technology, Mizoram University, Aizwal, Mizoram, India
[4]Department of Botany, Pub Kamrup College, Baihata Chariali, Kamrup, Assam, India
[5]Department of Biotechnology, Vikrama Simhapuri University, Nellore, Andhra Pradesh, India

# Denotes Equal Authorship *Corresponding authors
Dr. Pichili Vijaya Bhaskar Reddy, Dept. of Life Science & Bioinformatics,
Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India
[illegible], [illegible]
Dr. Kiranmai Chadipiralla Department of Biotechnology, Vikrama
Simhapuri University, Nellore, Andhra Pradesh, India
cdpkiranmai@gmail.com

Abstract:
In North-East India, different types of alcoholic beverages hor arak, bordeuk, jou, jougwran, xaajpani, nogianpong, rai mod and choko are traditionally prepared by tribal people viz., Karbi, Mishing, Bodo, Rabha, Ahom. They use it in a traditional manner and also play an important role in contributing to livelihoods by enhancing their income generation. Rice and certain selected medicinal plants are used as substrates in preparation of these beverages and hence possess high value among the tribal communities. Present study was aimed at determining the nutritional, nutraceutical and biochemical properties of various beverages prepared by different tribal communities. Qualitative and quantitative screening was performed using standard protocols. Phenolic and flavonoid contents were estimated spectrophotometrically using Folin- ciocalteu

Current Trends in Biotechnology and Pharmacy
Vol. 16 (2) 144 - 164 April 2022. ISSN 0973-8916 (Print). 2230-7303 (Online)
10.5530/ctbp.2022.2.14

In Vitro anti-Protozoan Activity of Methanolic Extracts of *Caralluma procumbens* Against *Tritrichomonas foetus*.

Rajani Vemula[1], Gayathri Pachipala[2], P.V.B Reddy[1], Sathish Kota [1], M. Raman [4], Uday Sankar Allam[3], Kota Neela Manikanta[3] & Kiranmai Chadipiralla[5]*

[1] Department of Biotechnology, Vikrama Simhapuri University, Nellore 524320, Andhra Pradesh, India
[2] Department of Tourism, Vikrama Simhapuri University, Nellore 524320, Andhra Pradesh, India
[3]Department of Life Science & Bioinformatics, Assam University Diphu Campus, Diphu-782462, Assam
[4] Translational Research Platform for Veterinary Biologicals (TRPVB), Chennai-51
*Corresponding Author: cdpkiranmai@gmail.com

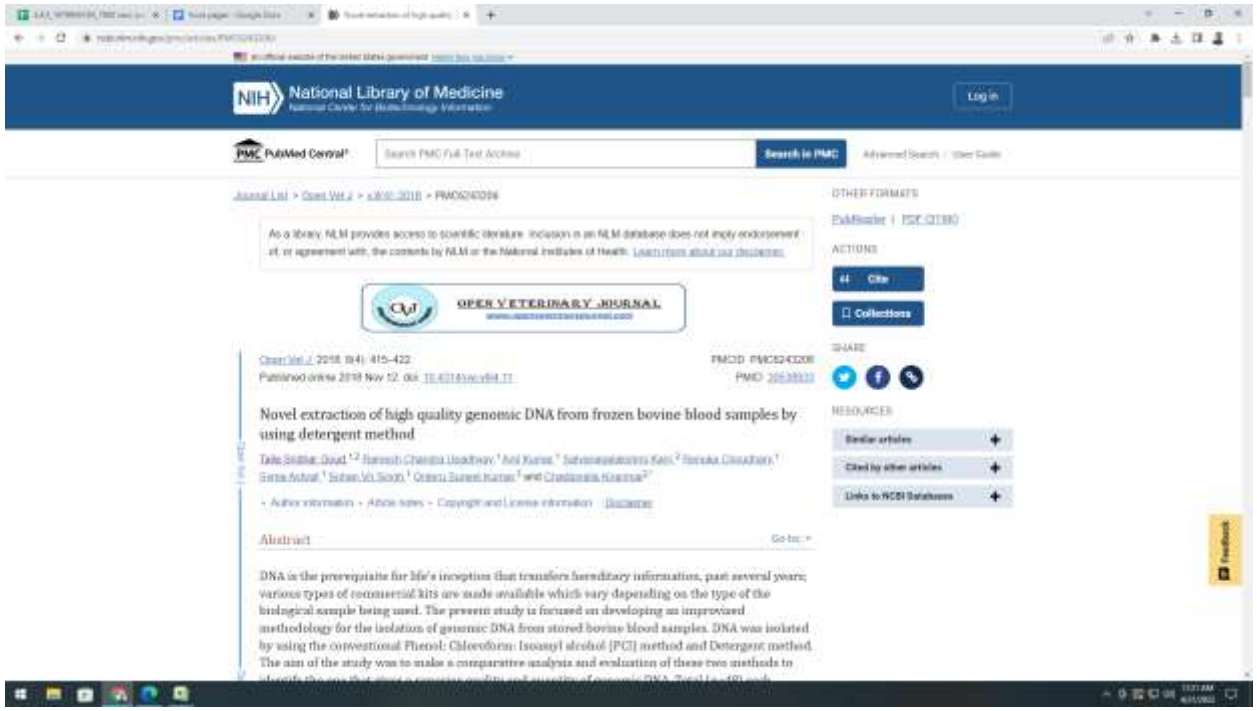
Abstract

Tritrichomonas foetus is a flagellated venereal parasite that causes Trichomoniasis. Among various infections, *Tritrichomonas* infection is a major threat to animal husbandry contributing to heavy economic loss due to fetal deaths or abortions. Plants are a great source of a variety of secondary products that consist of different bioactive compounds with medicinal properties. Species of Caralluma are known to be sources of potential therapeutic molecules. However, no studies have been carried out on the anti-protozoan activity of *Caralluma procumbens* against *Tritrichomonas foetus*. Hence the effect of different concentrations of *Caralluma* extract on the growth and survival of *Tritrichomonas foetus* was examined. Methanolic extract of *Caralluma procumbens* at the concentrations of 5 and 10 mg/ml inhibited the growth of *Tritrichomonas foetus* completely after 24 hours of incubation. A concentration of 2 mg/ml inhibited 80% growth of *Tritrichomonas foetus* after 48 hours of incubation with *Caralluma* extract. The results of the current study suggest that *C. procumbens* could extract of *C. procumbens*.

Keywords: Bioactive Compounds, *Caralluma procumbens*, Methanol Extract, *Tritrichomonas foetus*, Trichomoniasis

Introduction

Tritrichomonas foetus is a single cell flagellate parasite, known for causing infections in the reproductive tracts of bovine and intestinal tract of cats (1). *Tritrichomonas* belongs to the kingdom Protozoa. These are spindle shaped flagellate parasites with their size ranging from 5 to 25µm. *T. foetus* consists of three anterior flagella, one posterior flagellum with an undulating membrane (2). It is also known as venereal pathogen of the cattle that spreads through sexual intercourse. It has been recognized as major threat in the cattle farmers specifically in the domesticated ones. This protozoan is an enteric pathogen usually residing in the inner lining of the colon (3). *Tritrichomonas foetus* is also known to cause Feline Trichomonas, a large-bowel disease in cats (4,5). *T. foetus* has been reported to induce spontaneous abortions in the first trimester of


National Library of Medicine
Log in
Search in PMC
OPEN VETERINARY JOURNAL
Novel extraction of high quality genomic DNA from frozen bovine blood samples by using detergent method
Abstract
DNA is the prerequisite for life's inception that transfers hereditary information, past several years; various types of commercial kits are made available which vary depending on the type of the biological sample being used. The present study is focused on developing an improvised methodology for the isolation of genomic DNA from stored bovine blood samples. DNA was isolated by using the conventional Phenol: Chloroform: Isoamyl alcohol [PCI] method and Detergent method. The aim of the study was to make a comparative analysis and evaluation of these two methods to


Molecular characterization of coat color gene in Sahiwal versus Karan Fries bovine
Journal of Genetic Engineering and Biotechnology
RESEARCH
Open Access
Molecular characterization of coat color gene in Sahiwal versus Karan Fries bovine


Recent advances in engineering crop plants for resistance to insect pests
Egyptian Journal of Biological Pest Control
REVIEW ARTICLE
Open Access
Recent advances in engineering crop plants for resistance to insect pests
Abstract
Background
Main body
Conclusions
Keywords
Background

Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 4, 2021, Pages 14276-14290
Received 05 March 2021; Accepted 01 April 2021

Traditional Rice Beer of Assam, North East India: Traditionalism, Ethnobiology and its Pharmacomedicinal Trends

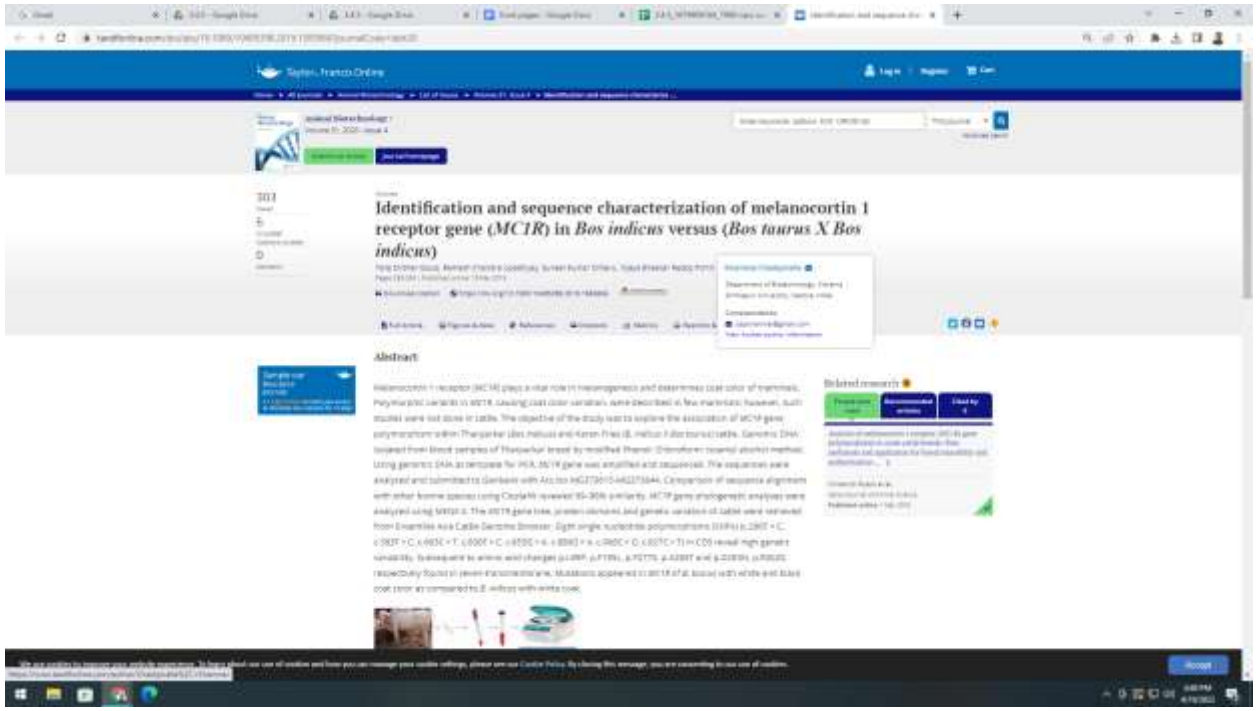
Pankaj Kalita[1#], Chayanika Devi[2#], Dipak Konwar[2], Chadipiralla Kiranmai[4], Ajit K. Tamuli[2], Uday Sankar Allam[4], Kota Neela Manikanta[5], Pichili Vijaya Bhaskar Reddy[2,*]

[1]Department of Zoology, Eastern Karbi Anglong College, Sarihajan, Karbi Anglong, Assam, India
[2]Dept. of Life Science & Bioinformatics, Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India
[3]Department of Botany, Pub Kamrup College, Baihata Chariali, Kamrup, Assam, India
[4]Department of Biotechnology, Vikrama Simhapuri University, Nellore, AP, India
[5]Department of Tourism Management, Vikrama Simhapuri University, Nellore, AP, India

# Denotes Equal Authorship *Corresponding author Dr. Pichili Vijaya Bhaskar Reddy, Dept. of Life Science & Bioinformatics, Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India
[illegible]; [illegible]

Abstract

Assam which is an integral part of the North East India, well recognized for its tribal ethnicity. Several tribal communities reside in Assam and also in other parts of North East India. The major ethnic groups and tribes are Ahom, Bodo, Mishing, Karbi, Rabha etc. Among various practices that are followed by the tribes, the preparation of traditional rice beer is considered as a spiritual practice and plays an important role in their socio-economic development. Although rice is the primary ingredient used in the preparation of the rice beer, the method of preparation, the herbal components used during the preparation process vary among the various tribes. These traditional rice beers that are prepared are reported to be possessed with diverse medicinal properties and therapeutic values and hence, are considered as nutraceuticals. Owing to the uniqueness in their preparation, the type of herbal components present and the subtle differences that lie among the methods of preparation, traditional rice beer brewing techniques have gained scientific attention. This review article focuses on documentation of the differential


Identification and sequence characterization of melanocortin 1 receptor gene (MC1R) in Bos indicus versus (Bos taurus X Bos indicus)
Abstract

Original Article

Evaluation of detection of severe acute respiratory syndrome coronavirus-2 by chip-based real-time polymerase chain reaction test (truenat™ beta CoV) in multi-sample pools

Venkata Giri Prasad Polur[1], Sheela Maria Justus Raju[2], Deepika Kuruvanchi[3], Sreekanth Reddy Ramireddy[3], Sasidhara Bharagopala[4], Shiva Kumar Allaparaddakshini[1], Vivekanandan Perumal Chavali[3], Uday Sankar Allam[3]

[1]Vignan Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, [2]Department of Tourism Management, Vikrama Simhapuri University, Kavali, [3]Department of Microbiology, Krishna Institute of Medical Sciences (KIMS), Amaravati, [4]Department of Microbiology, S.C. Subbareddy Govt. Medical College, Nandyal, [5]Vijaya Production, BATTE Center, Amaravati, [6]District TB Officer, Tirupati, [7]Department of Biotechnology, Vikrama Simhapuri University, Nellore, Andhra Pradesh, India

Abstract

Introduction: Systematic testing for Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2) using molecular diagnostic tools to identify individuals with coronavirus disease 2019 (COVID-19) infection, and tracing their primary and secondary contacts is important to curb its spread. With resource limitations on testing individual samples, testing of pooled samples provides alternative approach to increase testing capacity. Present aimed at assessing the detection of SARS-CoV-2 RNA in pooled samples using chip-based real-time polymerase chain reaction Test (Truenat ™ Beta CoV).

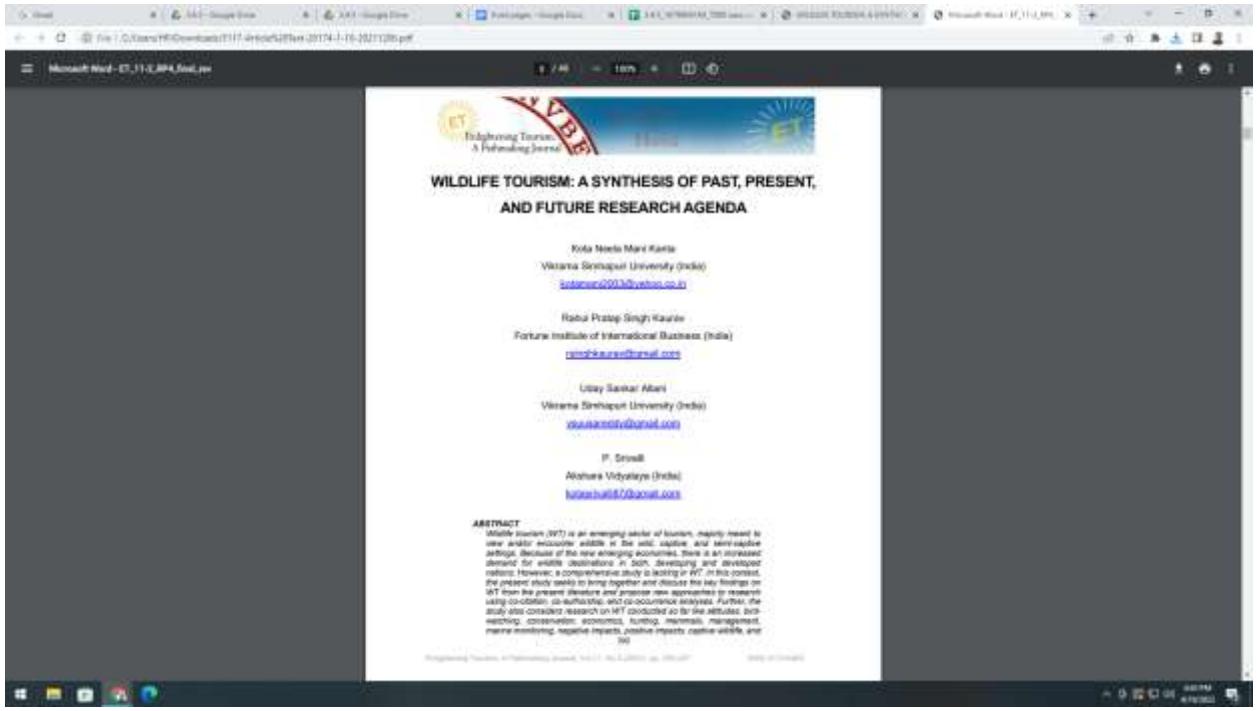
Materials and Methods: Pooled sample size of five was used from laboratory confirmed COVID-19 positive and negative samples. SARS-CoV-2 positive nasopharyngeal specimens of known samples from high, medium, low, and very low viral load were mixed with SARS-CoV-2 negative nasopharyngeal specimens of known samples in 1:4 ratio, followed by analysis using Truenat. Furthermore, each sample in that pool was tested individually. Pooled sample testing was also done on the samples of unknown status.

Results: The results of the present study showed cycle threshold (Ct) values of pooled samples with SARS-CoV-2 positive RNA of high-, medium-, low-, and very low viral load were 16.8, 24.22, 28.2, and 33.63, compared to Ct values of individual samples of 16.43, 22.8, 28.06, and 33.08, respectively.

Conclusion: These results suggest that the Ct values of pooled samples were in agreement with Ct values of individual samples indicating the validity of pooled sample testing for screening SARS-CoV-2 using Truenat.

Address for correspondence: Dr. Uday Sankar Allam, Department of Biotechnology, Vikrama Simhapuri University, Nellore - 524 324, Andhra Pradesh, India.
E-mail: [redacted]

How to cite this article: Polur VGP, Raju SMJ, Kuruvanchi D, Ramireddy SR, Bharagopala S, Allaparaddakshini SK, et al. Evaluation of detection of severe



Brightening Tourism, A Pulsating Journey

WILDLIFE TOURISM: A SYNTHESIS OF PAST, PRESENT, AND FUTURE RESEARCH AGENDA

Kota Neela Mani Kanta
Vikrama Simhapuri University (India)
kotamani2003@yahoo.co.in

Rahul Pratap Singh Kaurav
Fortune Institute of International Business (India)
rahulkaurav@gmail.com

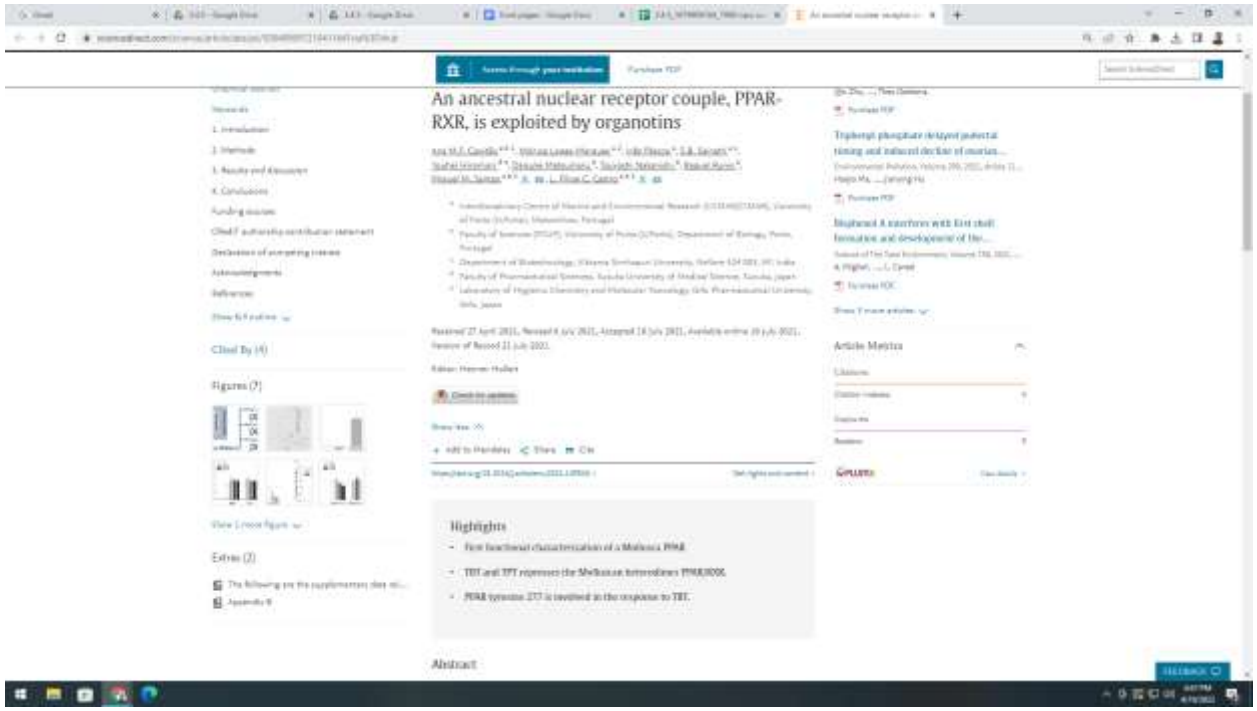
Uday Sankar Allani
Vikrama Simhapuri University (India)
uday.sankar@gmail.com

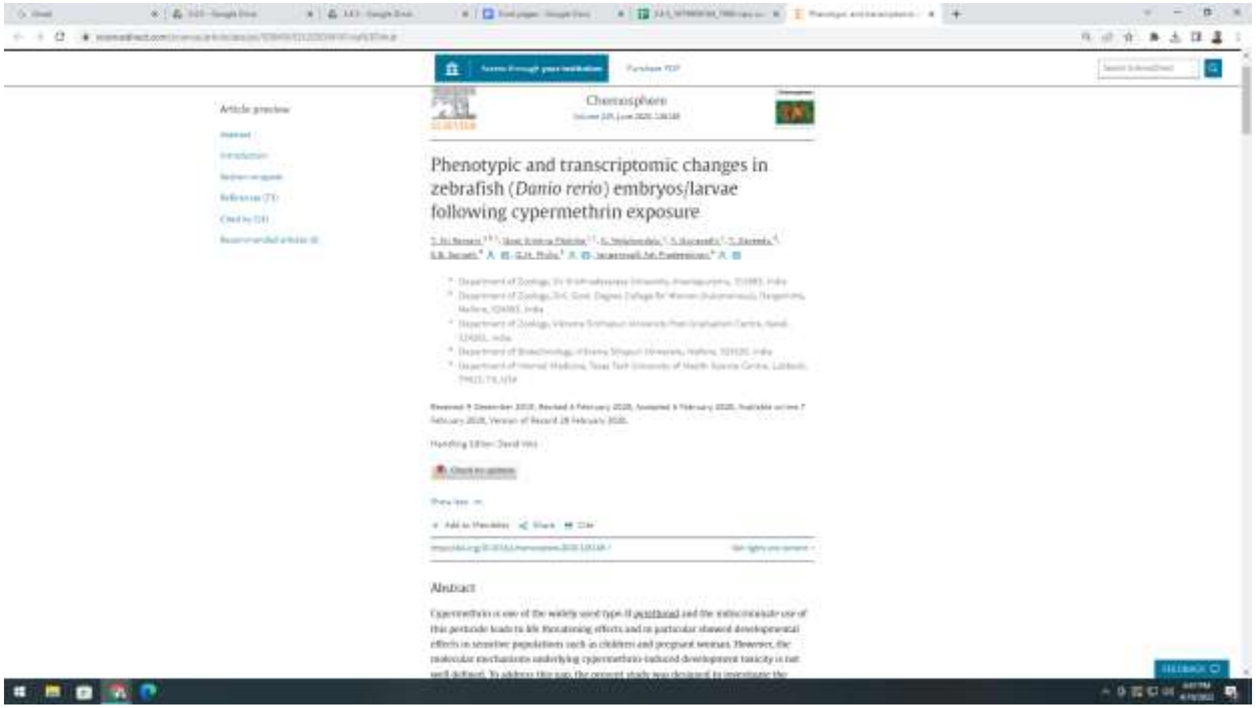
P. Srivalli
Akshara Vidyalaya (India)
kotanivalli87@gmail.com

ABSTRACT

Wildlife tourism (WT) is an emerging sector of tourism, majority meant to view and/or encounter wildlife in the wild, captive, and semi-captive settings. Because of the new emerging economies, there is an increased demand for wildlife destinations in both, developing and developed nations. However, a comprehensive study is lacking in WT. In this context, the present study seeks to bring together and discuss the key findings on WT from the present literature and propose new approaches to research using co-citation, co-authorship, and co-occurrence analyses. Further, the study also considers research on WT conducted so far like attitudes, bird-watching, conservation, economics, hunting, mammals, management, marine monitoring, negative impacts, positive impacts, captive-wildlife, and so


Immobilization stress exacerbates arsenic-induced reprotoxic effects in adult rats
Sri Bhashyam Sainath
Volume 11, Issue 3
June 2022
Healthy male Wistar rats were allocated into 4 groups (n = 8). Animals in group 1 served as controls and did not subjected to any stress. Rats in groups 2, 3, and 4 were subjected to either restraint stress (3 h/day) or maintained on arsenic (25 ppm) via drinking water or both for 45 days. After completion of the experimental period, all the rats were analyzed for selected reproductive endpoints.
Results
Email alerts
Oxford University Press uses cookies to enhance your experience on our website. By selecting "accept all" you are agreeing to our use of cookies. You can change your cookie settings at any time. More information can be found in our Cookie Policy.
Accept all
Deny all
Cookie settings


An ancestral nuclear receptor couple, PPAR-RXR, is exploited by organotins
Highlights
Abstract



Chemosphere

Phenotypic and transcriptomic changes in zebrafish (*Danio rerio*) embryos/larvae following cypermethrin exposure

Abstract

Cypermethrin is one of the widely used type II pyrethroid and the indiscriminate use of this pesticide leads to life threatening effects and in particular showed developmental effects in sensitive populations such as children and pregnant women. However, the molecular mechanisms underlying cypermethrin-induced development toxicity is not well defined. To address this gap, the present study was designed to investigate the

Hindawi

Research Article

Recovery of Prenatal Baicalein Exposure Perturbed Reproduction by Postnatal Exposure of Testosterone in Male Mice

Sridevi Vandala,[1] **Naveen Punneri**,[2] **Venkata Shashank Kanamarlapudi**,[3] **Sri Bhushyam Sainath**,[1] **Pamanji Sreenivasula Reddy**,[4] **Ramachandra Reddy Pamanu**,[1] **and Arifullah Mohammad**[5,6]

[1]Department of Biochemistry, Yogi Vemana University, Vemanapuram, Kadapa 516 003, AP, India
[2]Navy High School, Secunderabad, Telangana 500 015, India
[3]Department of Biotechnology, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur 522 510, AP, India
[4]Department of Zoology, Sri Venkateswara University, Tirupati 517 502, AP, India
[5]Institute of Food Security and Sustainable Agriculture (IFSSA), Universiti Malaysia Kelantan Campus Jeli, Locked Bag 100, Jeli 17600, Kelantan, Malaysia
[6]Faculty of Agro-based Industry (FIAT), Universiti Malaysia Kelantan Campus Jeli, Locked Bag 100, Jeli 17600, Kelantan, Malaysia

Correspondence should be addressed to Ramachandra Reddy Pamanu; reddypharmachem@gmail.com and to Arifullah Mohammad; arifullahmohammad@yahoo.com

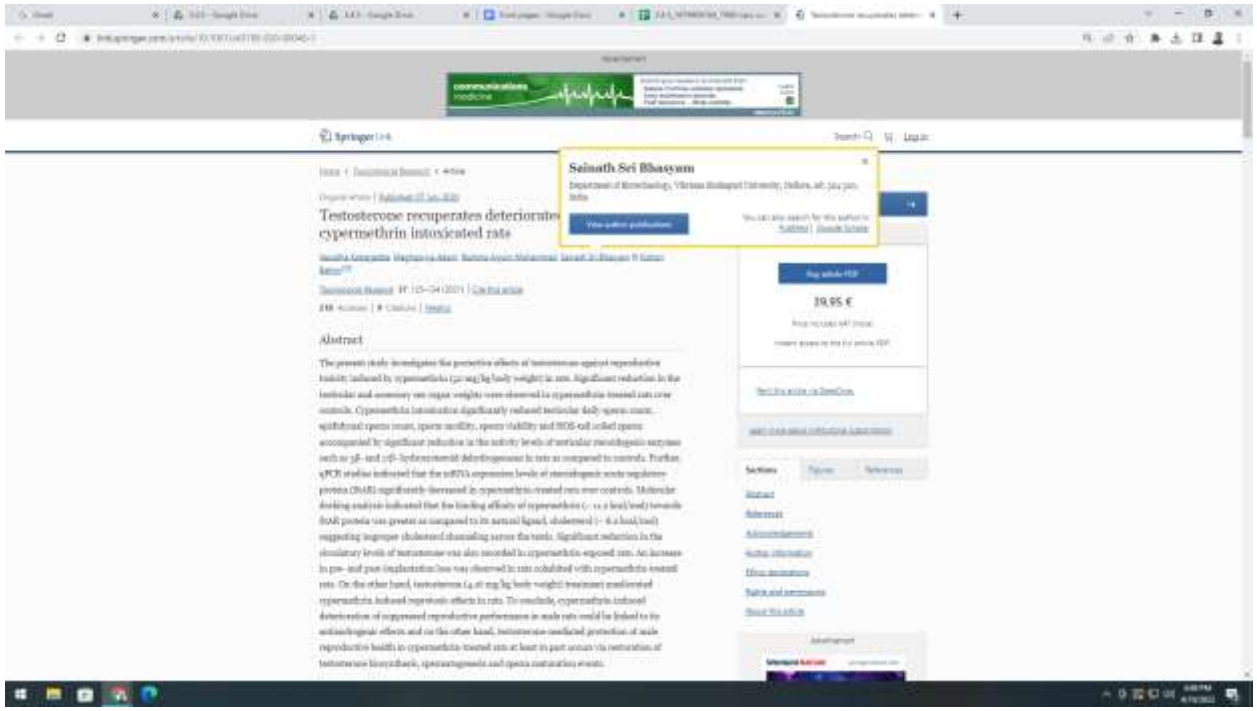
Received 2 May 2020; Revised 3 December 2020; Accepted 4 December 2020; Published 26 December 2020

Academic Editor: Arturo Rodriguez

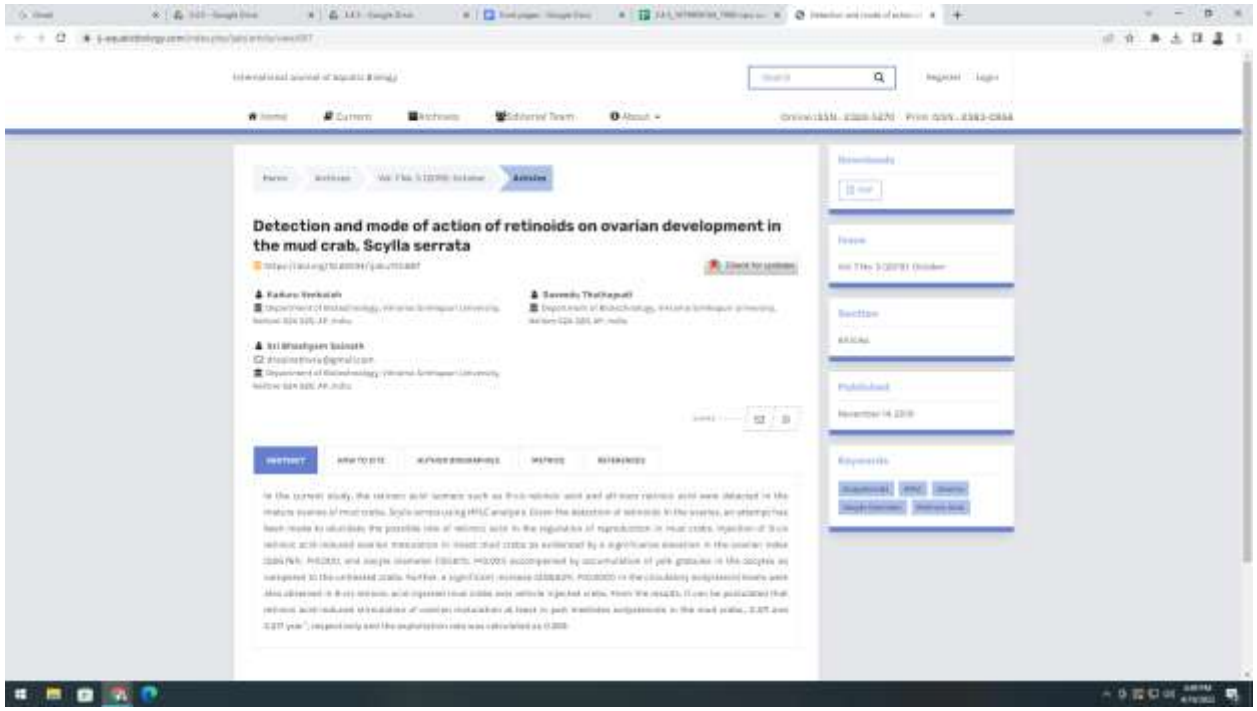
Baicalein (BC), a flavonoid, which lacks the qualities of reproductive health and shows adverse effects is tested in this study. Inseminated mice were marked with 30, 60, and 90 mg BC/kg body weight on gestation days 11, 13, 15, and 17. The F1 BC-exposed males of each dosage were divided into six groups. Four three groups (n = 6 from each BC dosage) were used for assessment of reproductive performance, the others (n = 4 from each BC dosage) were administered with testosterone (1.0 mg/kg body weight) on postnatal days (I, II, and III). The reproductive health of adult F1 males at the age of 70 and 90 was tested. Prenatal BC exposure showed reduced fertility after cohabitation with control females. The BC exposure significantly reduced the body weight, sexual indices, and sperm parameters (motility, count, viability, and dead sperm count) and altered the sperm morphosis to a hyperactive swelling tail. A downward trend was observed in testicular steroidogenic marker enzymes (3β- and 17β-steroid dehydrogenase) and serum testosterone, whereas increase in serum titers of FSH and LH along with altered the testicular histology. Conversely, testosterone (0.04 mg/kg body weight) partially recovered sperm reproductive health by BC. BC-impaired male reproductive health due to low levels of testosterone is reversed by external testosterone is evidenced in this study.

1. Introduction

The development of male reproductive tract is very sensitive to changes in hormones including estrogens, and their


Springer Link
Search
Log in
Saisath Sri Bhasyam
Department of Biotechnology, Vikrama Simhapuri University, Nellore, AP, 524 320, India
View author publications
Testosterone recuperates deteriorate
cypermethrin intoxicated rats
Buy article PDF
19.95 €
Abstract
Sections
Abstract
References
Acknowledgements
Author information
Ethics declarations
Rights and permissions
About this article


Sri Bhashayam Sainath
Abstract


Detection and mode of action of retinoids on ovarian development in the mud crab, Scylla serrata

Original Research

Journal of Environmental Biology

JEB

Effect of cypermethrin on reproductive efficacy in zebrafish (*Danio rerio*): *In-vivo* and *in-silico* studies

Abstract

Prevallika et al. IJPSR, 2019; Vol. 10(7): 3171-3181 E-ISSN: 0975-8232; P-ISSN: 2320-5148

IJPSR (2019), Volume 10, Issue 7 (Research Article)

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH

RECOVERY OF DIMINISHED SPERMATOGENESIS BY RESVERATROL AGAINST THE PYRETHROID, LAMBDA CYHALOTHRIN-INDUCED REPRO-TOXICITY IN ALBINO RATS

M. Prevallika [1], K. Vasudha [1], D. Archana [1], S. B. Srimdi [2] and B. Kishori [*1]

Department of Biotechnology [1], Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati - 517502, Andhra Pradesh, India.
Department of Biotechnology [2], Vikrama Simhapuri University, Kakutur, Nellore – 524320, Andhra Pradesh, India.

Keywords:
Lambda-cyhalothrin, Resveratrol, Rats, Spermatogenesis, Oxidative stress

Correspondence to Author:
Dr. B. Kishori
Assistant Professor,
Department of Biotechnology, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati - 517502, Andhra Pradesh, India.
E-mail: drbmadhavi@gmail.com

ABSTRACT: Lambda-cyhalothrin [(cyano-3-phenoxybenzyl 3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate] is one of the type-II synthetic broad-spectrum pyrethroids used to protect the crops against insects. The aim of the present study was to evaluate the protective effect of resveratrol on male reproductive health in lambda-cyhalothrin exposed rats. Exposure of male rats to lambda-cyhalothrin resulted in a significant reductions in the reproductive organ weights accompanied by a reduction in the testicular daily sperm count and epididymal sperm count, sperm motility, and sperm viability. Further, a significant increase in the activity levels of superoxide dismutase and catalase with a significant increase in the levels of lipid peroxidation were observed in the testis of lambda-cyhalothrin administered rats over the controls. Moreover, the integrity of testicular architecture was deteriorated in lambda-cyhalothrin exposed rats. Conversely, supplementation of resveratrol enhanced the activity levels of testicular enzymatic antioxidants and inhibited lipid peroxidation levels in lambda-cyhalothrin exposed rats as compared to its respective controls. Significant increase in the cauda epididymal sperm parameters accompanied by the restoration of testicular architecture was recorded in resveratrol plus lambda-cyhalothrin treated rats over lambda-cyhalothrin exposed rats. On the other hand, no changes were observed in the selected reproductive endpoints in resveratrol administered rats over controls. To conclude, resveratrol could plausibly inhibit lambda cyhalothrin-induced testicular oxidative stress and improves the sperm quality and quantity in rats.

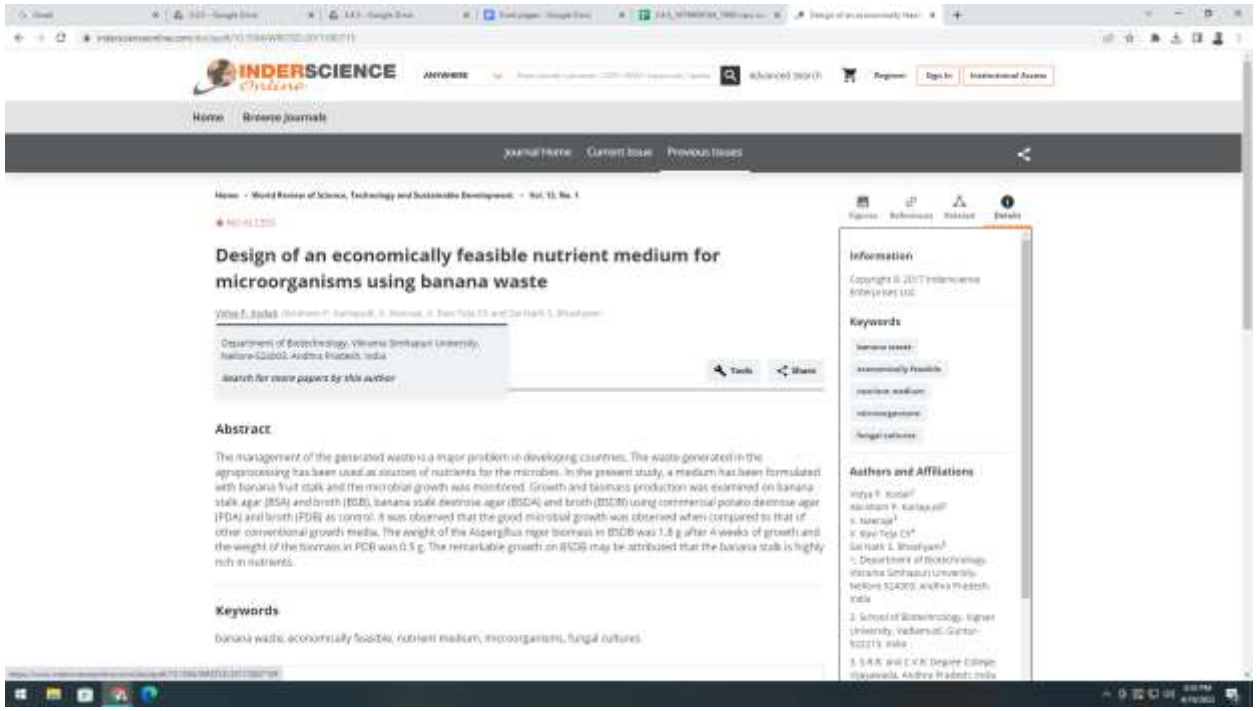
INTRODUCTION: Male infertility is a serious ongoing problem all over the world. Several studies claimed that the exposure of humans to a range of environmental contaminants, including pyrethroids causes several male reproductive disorders [1]. Pyrethroids are used to protect the crops against insects.

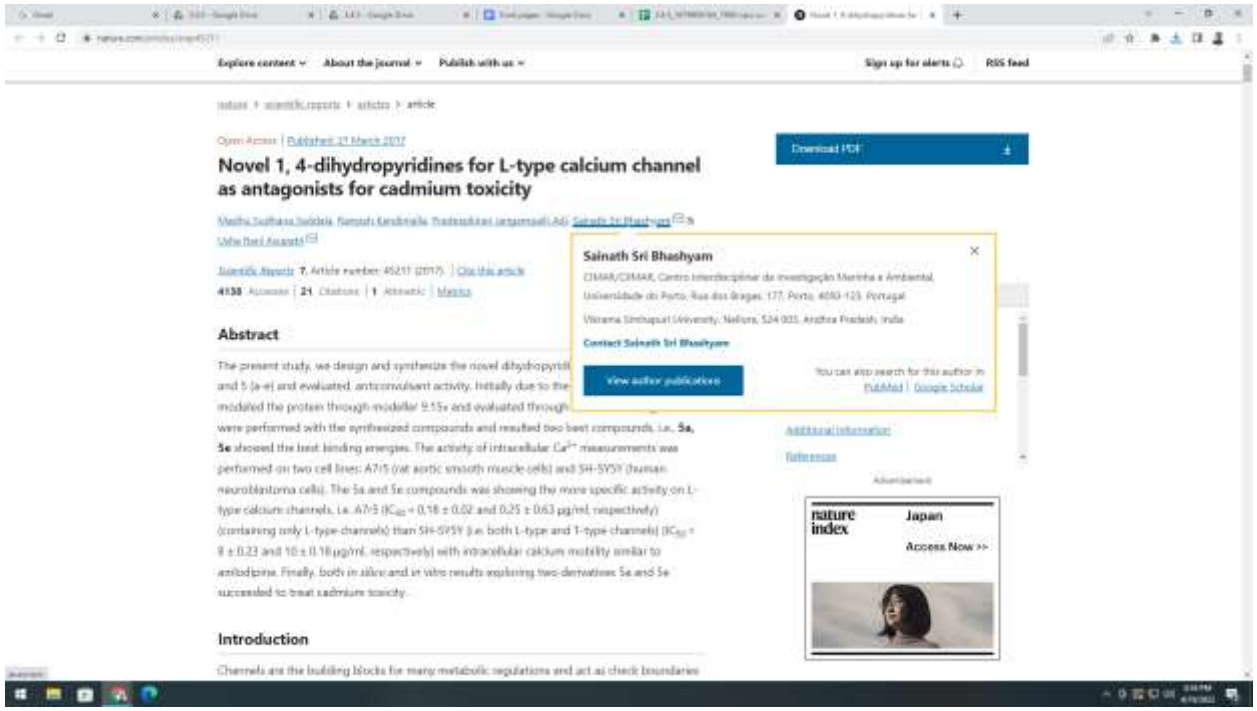
Type II pyrethroids belong to the broad-spectrum potent organic insecticides which contain cyhalothrin rings and widely used in agricultural, veterinary and household applications [2]. Lambda-cyhalothrin (LCT), is one of the synthetic type II pyrethroid insecticides extensively used to control pests in food crops, non-food crops and against to kill disease vectors such as insect, ticks and flies [3].

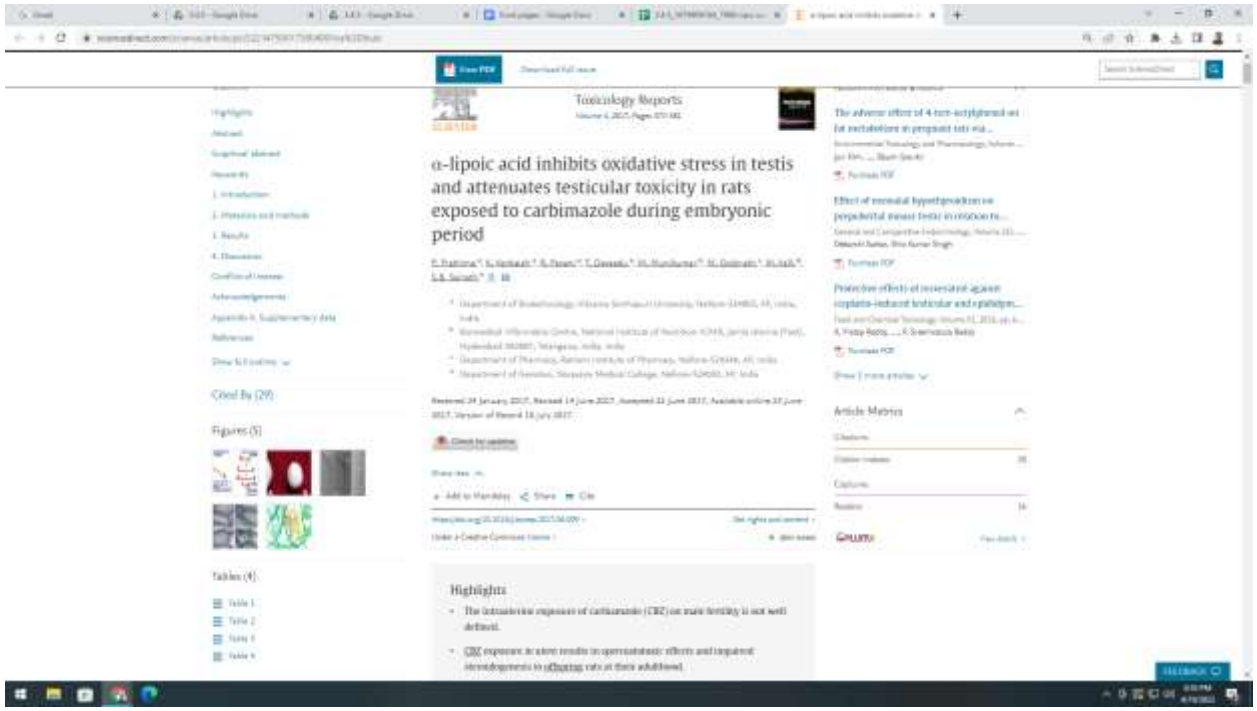
Due to its wide usage, LCT has been detected in

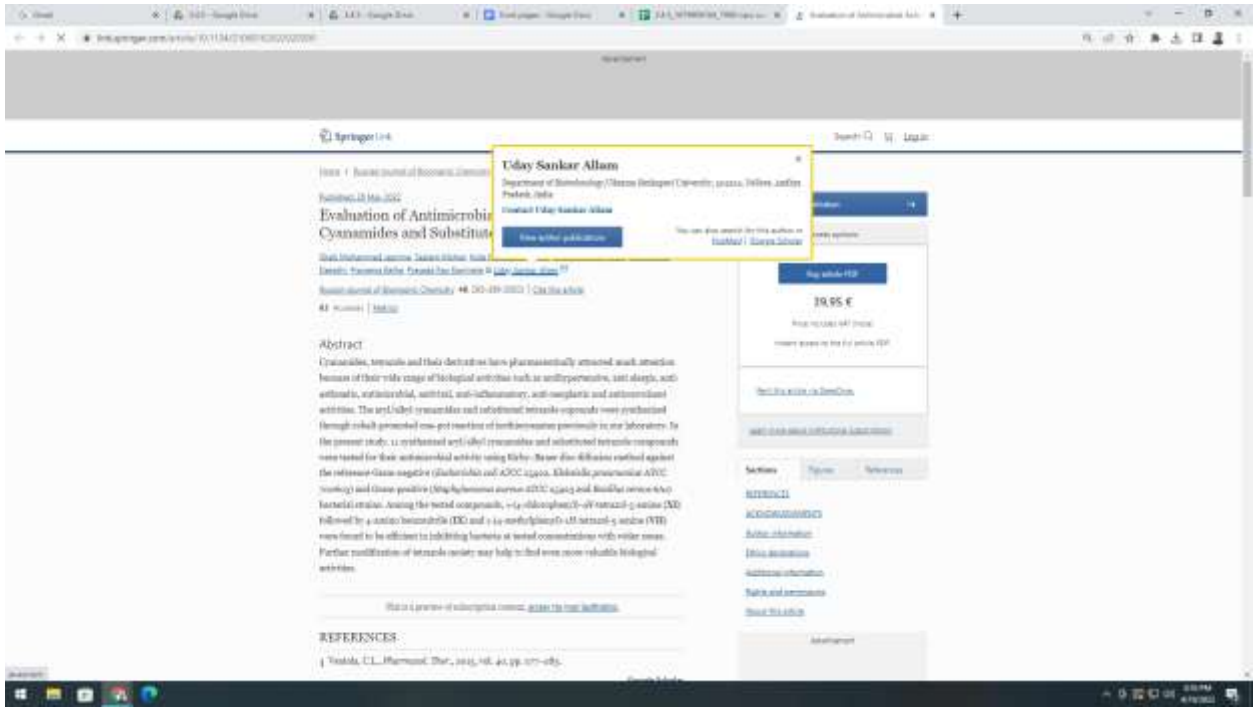

Comparative Biochemistry and Physiology Part C
Toxicology & Pharmacology
The evolutionary road to invertebrate thyroid hormone signaling: Perspectives for endocrine disruption processes ☆
Abstract

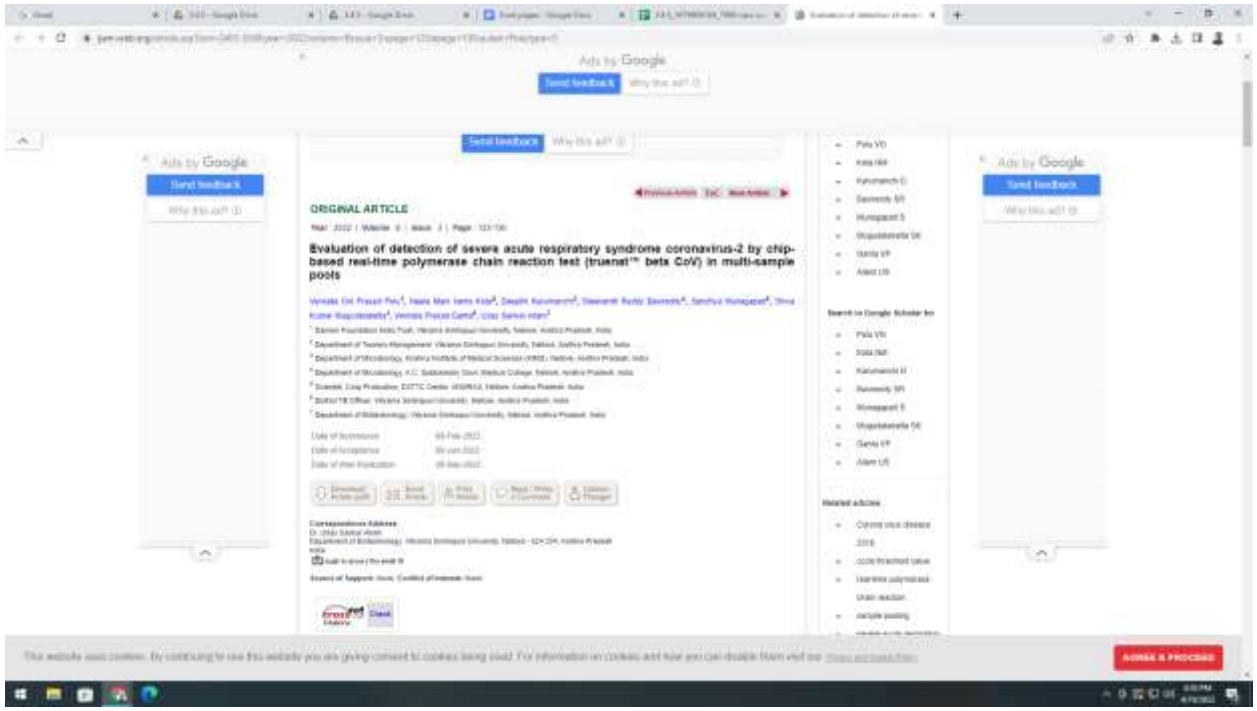

WILEY
Environmental Toxicology
Call for Papers
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY
RESEARCH ARTICLE
α-Lipoic acid inhibits testicular and epididymal oxidative damage and improves fertility efficacy in arsenic-intoxicated rats
CORRESPONDING AUTHOR
Sri Bhashyam Sainath
Abstract
Citing Literature
Recommended


INDERSCIENCE
Home
Browse journals
Journal Home
Current Issue
Previous Issues
Design of an economically feasible nutrient medium for microorganisms using banana waste
Department of Biotechnology, Vikrama Simhapuri University, Nellore-524003, Andhra Pradesh, India
Search for more papers by this author
Abstract
The management of the generated waste is a major problem in developing countries. The waste generated in the agroprocessing has been used as sources of nutrients for the microbes. In the present study, a medium has been formulated with banana fruit stalk and the microbial growth was monitored. Growth and biomass production was examined on banana stalk agar (BSA) and broth (BSB), banana stalk dextrose agar (BSDA) and broth (BSDB) using commercial potato dextrose agar (PDA) and broth (PDB) as control. It was observed that the good microbial growth was observed when compared to that of other conventional growth media. The weight of the Aspergillus niger biomass in BSDB was 1.8 g after 4 weeks of growth and the weight of the biomass in PDB was 0.5 g. The remarkable growth on BSDB may be attributed that the banana stalk is highly rich in nutrients.
Keywords
banana waste, economically feasible, nutrient medium, microorganisms, fungal cultures
Information
Keywords
Authors and Affiliations


Explore content
About the journal
Publish with us
Sign up for alerts
RSS feed
Download PDF
Novel 1, 4-dihydropyridines for L-type calcium channel as antagonists for cadmium toxicity
Sainath Sri Bhashyam
CIIMAR/CIMAR, Centro Interdisciplinar de Investigação Marinha e Ambiental, Universidade do Porto, Rua dos Bragas, 177, Porto, 4050-123, Portugal
Contact Sainath Sri Bhashyam
View author publications
You can also search for this author in PubMed | Google Scholar
Abstract
Introduction
nature index
Japan
Access Now >>


Toxicology Reports
α-lipoic acid inhibits oxidative stress in testis and attenuates testicular toxicity in rats exposed to carbimazole during embryonic period
Highlights
The intrauterine exposure of carbimazole (CBZ) on male fertility is not well defined.
CBZ exposure in utero results in spermatotoxic effects and impaired steroidogenesis in offspring rats at their adulthood.


Uday Sankar Allam
Contact Uday Sankar Allam
Abstract
REFERENCES
39.95 €


ORIGINAL ARTICLE
Evaluation of detection of severe acute respiratory syndrome coronavirus-2 by chip-based real-time polymerase chain reaction test (truenat™ beta CoV) in multi-sample pools

SAGE journals

Research Article

In Silico Modeling and Docking Analysis of CTX-M-5, Cefotaxime-Hydrolyzing β-Lactamase from Human-Associated *Salmonella* Typhimurium

S. K. Md. Jasmine[1], Vidya Sagar Reddy G.[1], Neelima Gorthy[2], Someswar Rao Sagurthi[3], Sandhya Mangapati[4], Kota Neela Manikanta[4], and Uday Sankar Allam[1]

Objective: To computationally model the CTX-M-5 β-lactamase and establish its structure, which is exclusively present in human-associated *Salmonella*.

Methods: The CTX-M-5 nonamerical sequence (Uniprot ID:O65975) of Salmonella enterica subsp. enterica serovar typhimurium was retrieved from UniProt database and subjected to homology modeling using MODELLER 9v7. The homology models were duly validated using RAMPAGE tool by generating Ramachandran plots, ERRAT graphs, and ProSA score. DoGSiteScorer server and CastP server were used to detect the cavities, pockets, and clefts to identify conserved amino acid sites as the predicted model. Subsequently, the modeled structure was docked using CLC Drug Discovery Workbench against per-se drugs and known inhibitors.

Results: Obtained high-quality homology model with 81.7% of the residues in favorable regions in Ramachandran plot and qualified in other quality parameters. Docking studies resulted in a higher dock score for PNK (D-benzylpenicillinic acid) molecule when compared to other reported inhibitors.

Conclusion: This in silico study suggests that the compound PNK could be an efficient ligand for CTX-M-5 β-lactamase and serve as a potent inhibitor of CTX-M-5.

Keywords
Extended spectrum β-lactamase (ESBL), *Salmonella typhimurium*, CTX-M-5, Homology modeling, Docking, PNK

[1] Department of Biotechnology, Vikrama Simhapuri University, Nellore, Andhra Pradesh, India.
[2] Department of Genetics and Biotechnology, Osmania University, Hyderabad, Telangana, India.
[3] Department of Crop Production, DLATU Centre, Acharya N G Ranga Agricultural University, Nellore, Andhra Pradesh, India
[4] Department of Tamil and Tourism, Vikrama Simhapuri University, Nellore, Andhra Pradesh, India

Corresponding author:
Uday Sankar Allam, Department of Biotechnology, Vikrama Simhapuri University, Nellore, Andhra Pradesh, 524324, India. E-mail: [redacted]

Current Trends in Biotechnology and Pharmacy
Vol. 16 (2) 144 - 154, April 2022. ISSN 0973-8916 (Print), 2230-7303 (Online)
10.5530/ctbp.2022.2.14

In Vitro anti-Protozoan Activity of Methanolic Extracts of *Caralluma procumbens* Against *Tritrichomonas foetus*.

Rajani Vemula[1], Gayathri Pachipala[2], P.V.B Reddy[3], Sathish Kota [4], M. Raman [4], Uday Sankar Allam[1], Kota Neela Manikanta[5] & Kiranmai Chadipiralla[4]*

[1] Department of Biotechnology, Vikrama Simhapuri University, Nellore-524320, Andhra Pradesh, India.
[2] Department of Tourism, Vikrama Simhapuri University, Nellore-524320, Andhra Pradesh, India.
[3]Department of Life Science & Bioinformatics, Assam University Diphu Campus, Diphu-782462, Assam.
[4] Translational Research Platform for Veterinary Biologicals (TRPVB), Chennai-51
*Corresponding Author: chkiranmai@gmail.com

Abstract

Tritrichomonas foetus is a flagellated venereal parasite that causes Trichomoniasis. Among various infections, Tritrichomonas infection is a major threat to animal husbandry contributing to heavy economic loss due to fetal deaths or abortions. Plants are a great source of a variety of secondary products that consist of different bioactive compounds with medicinal properties. Species of *Caralluma* are known to be sources of potential therapeutic molecules. However, no studies have been carried out on the anti-protozoan activity of *Caralluma procumbens* against *Tritrichomonas foetus*. Hence the effect of different concentrations of *Caralluma* extract on the growth and survival of *Tritrichomonas foetus* was examined. Methanolic extract of *Caralluma procumbens*, at the concentrations of 5 and 10 mg/ml inhibited the growth of *Tritrichomonas foetus* completely after 24 hours of incubation. A concentration of 2 mg/ml inhibited 80% growth of *Tritrichomonas foetus* after 48 hours of incubation with *Caralluma* extract. The results of the current study suggest that *C. procumbens* could extract of *C. procumbens*.

Keywords: Bioactive Compounds, *Caralluma procumbens*, Methanol Extract, *Tritrichomonas foetus*, Trichomoniasis.

Introduction

Tritrichomonas foetus is a single cell flagellate parasite known for causing infections in the reproductive tracts of bovine and intestinal tract of cats (1). *Tritrichomonas* belongs to the kingdom Protodista. These are spindle shaped flagellate parasites with their size ranging from 5 to 25µm. *T. foetus* consists of three anterior flagella, one posterior flagellum with an undulating membrane (2). It is also known as venereal pathogen of the cattle that spreads through sexual intercourse. It has been recognized as major threat in the cat families specifically in the domesticated ones. This protozoan is an enteric pathogen usually residing in the inner lining of the colon (3). *Tritrichomonas foetus* is also known to cause Feline Trichomoniasis, a large bowel disease in cats (4,5). *T. foetus* has been reported to induce spontaneous abortions in the first trimester of

"Perception of Student Engagement among Faculty in private engineering colleges"

Dr. Uday Sankar Allam
Assistant Professor
Dept. of Biotechnology
Vikrama Simhapuri University
Nellore-524324
Andhra Pradesh

Dr. K. Suneetha
Associate Professor,
Department of Social work,
Vikrama Simhapuri University,
Nellore. Andhra Pradesh

Dr Kota Neela Mani Kanta
Asst professor,
Department of Tourism Management,
Vikrama Simhapuri University, Nellore,
Andhra Pradesh

Dr. Sandhya Munagapati
Scientist,
Acharya N G Ranga Agricultural University,
Nellore-524004 Andhra Pradesh India

Dr. P Srivalli
Associate Professor,
Nellore

Schematic diagram of demographical influence on Student Engagement


Recent advances in engineering crop plants for resistance to insect pests
Egyptian Journal of Biological Pest Control
REVIEW ARTICLE
Open Access
Recent advances in engineering crop plants for resistance to insect pests
Abstract
Background
Main body
Conclusions
Keywords
Background

Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 4, 2021, Pages 14276-14290
Received 07 March 2021; Accepted 01 April 2021

Traditional Rice Beer of Assam, North East India: Traditionalism, Ethnobiology and its Pharmacomedicinal Trends

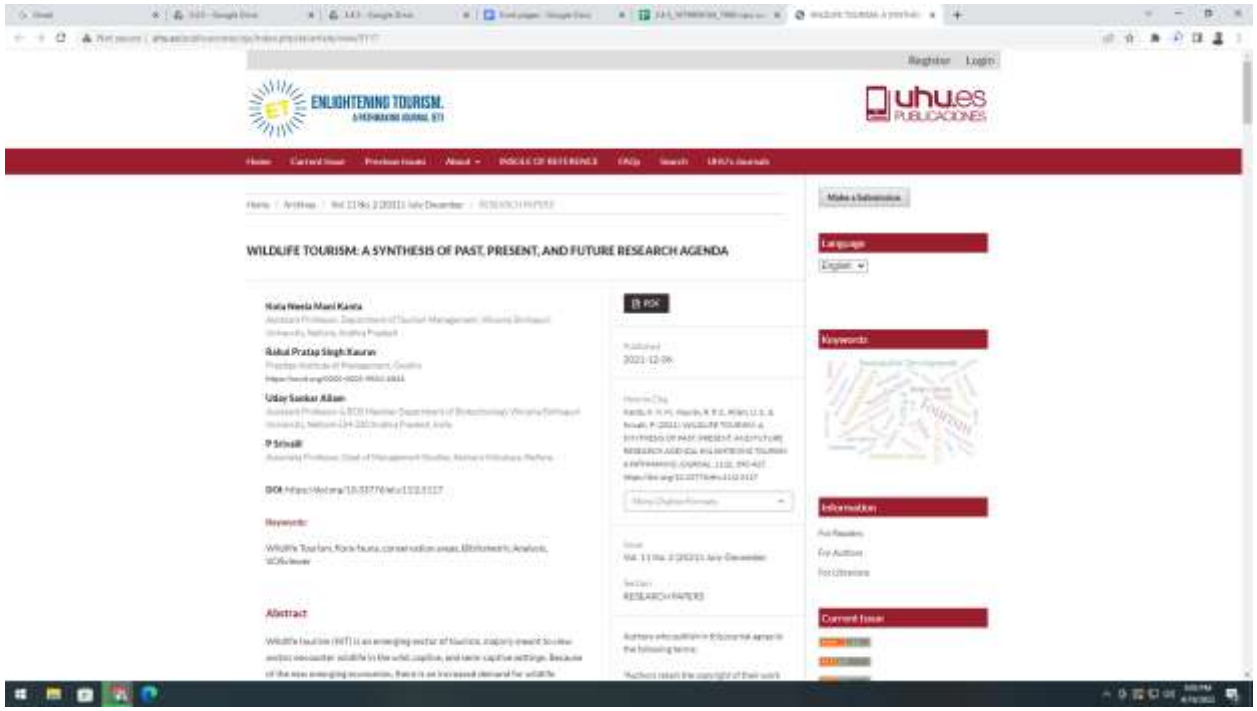
Pankaj Kalita[1#], Chayanika Devi[2#], Dipak Konwar[2], Chadipiralla Kiranmai[4], Ajit K. Tamuli[2], Uday Sankar Allam[4], Kota Neela Manikanta[5], Pichili Vijaya Bhaskar Reddy[2,*]

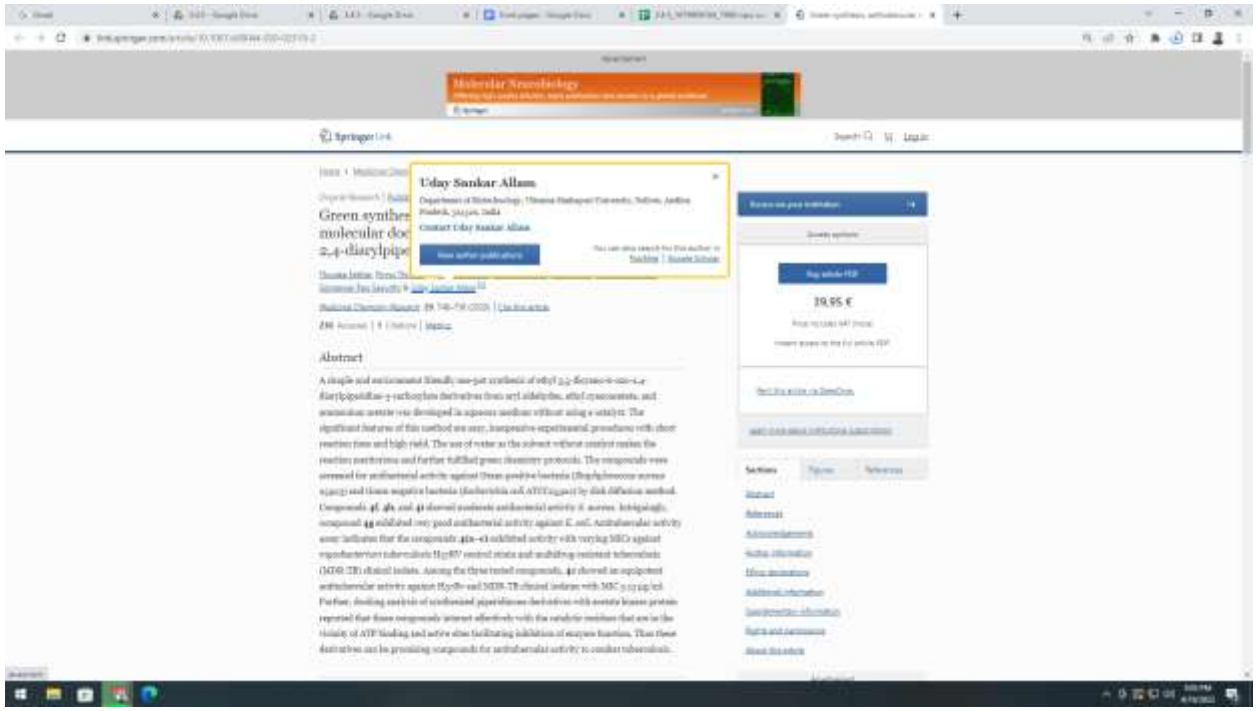
[1]Department of Zoology, Eastern Karbi Anglong College, Sarihajan, Karbi Anglong, Assam, India
[2]Dept. of Life Science & Bioinformatics, Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India
[3]Department of Botany, Pub Kamrup College, Baihata Chariali, Kamrup, Assam, India
[4]Department of Biotechnology, Vikrama Simhapuri University, Nellore, AP, India
[5]Department of Tourism Management, Vikrama Simhapuri University, Nellore, AP, India

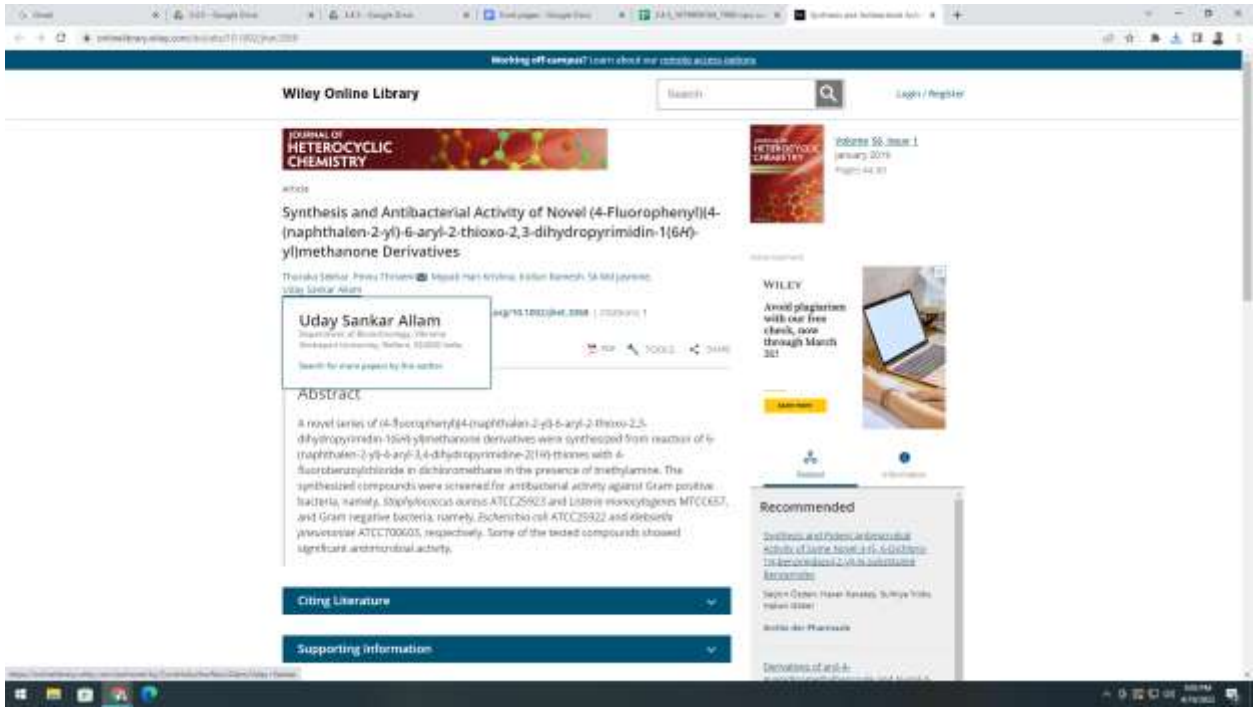
# Denotes Equal Authorship *Corresponding author Dr. Pichili Vijaya Bhaskar Reddy, Dept. of Life Science & Bioinformatics, Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India
vbreddyworks@yahoo.com; vpichili@gmail.com

Abstract

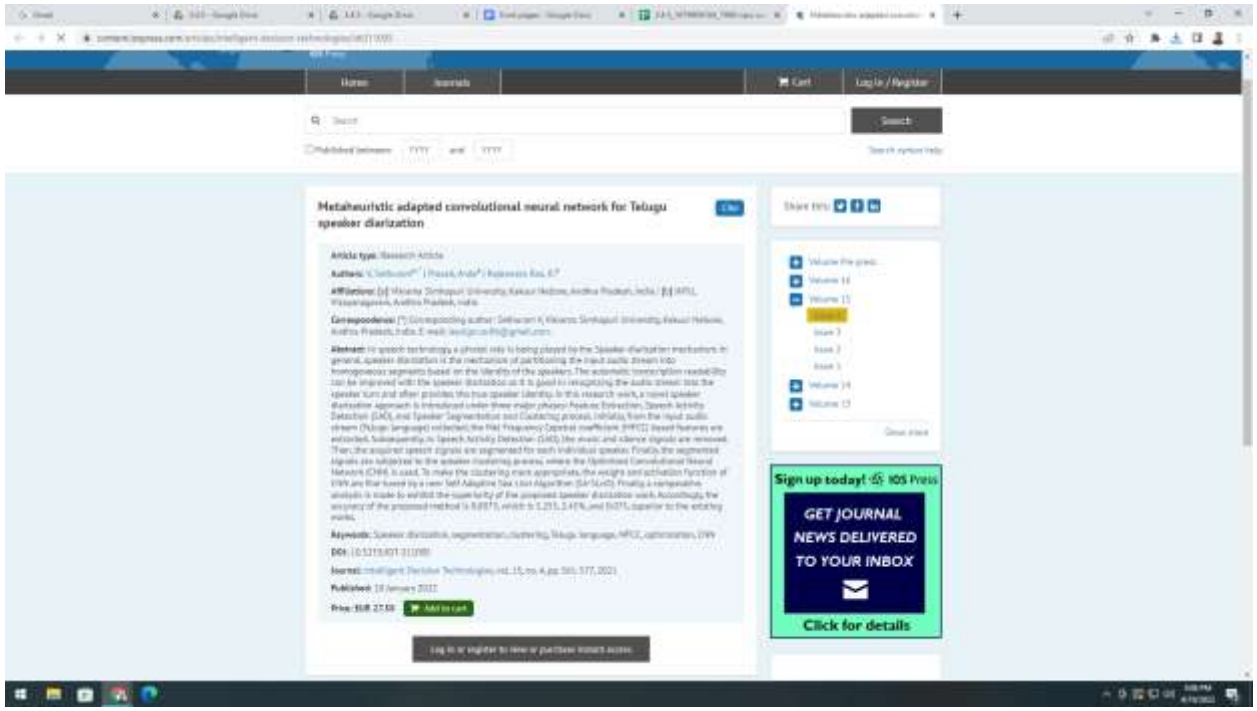
Assam which is an integral part of the North East India, well recognized for its tribal ethnicity. Several tribal communities reside in Assam and also in other parts of North East India. The major ethnic groups and tribes are Ahom, Bodo, Mishing, Karbi, Rabha etc. Among various practices that are followed by the tribes, the preparation of traditional rice beer is considered as a spiritual practice and plays an important role in their socio-economic development. Although rice is the primary ingredient used in the preparation of the rice beer, the method of preparation, the herbal components used during the preparation process vary among the various tribes. These traditional rice beers that are prepared are reported to be possessed with diverse medicinal properties and therapeutic values and hence, are considered as nutraceuticals. Owing to the uniqueness in their preparation, the type of herbal components present and the subtle differences that lie among the methods of preparation, traditional rice beer brewing techniques have gained scientific attention. This review article focuses on documentation of the differential


ENLIGHTENING TOURISM.
uhu.es PUBLICACIONES
WILDLIFE TOURISM: A SYNTHESIS OF PAST, PRESENT, AND FUTURE RESEARCH AGENDA
Abstract


Molecular Neurobiology
Springer Link
Uday Sankar Allam
Contact Uday Sankar Allam
Buy article PDF
39.95 €
Abstract
Sections
Abstract
References
Acknowledgements
Author information
Ethics declarations
Additional information
Supplementary information
Rights and permissions
About this article


Wiley Online Library
JOURNAL OF HETEROCYCLIC CHEMISTRY
Synthesis and Antibacterial Activity of Novel (4-Fluorophenyl)(4-(naphthalen-2-yl)-6-aryl-2-thioxo-2,3-dihydropyrimidin-1(6H)-yl)methanone Derivatives
Uday Sankar Allam
Abstract
Citing Literature
Supporting Information
Recommended

COMPUTER SCIENCE


Metaheuristic adapted convolutional neural network for Telugu speaker diarization
Sign up today! IOS Press
GET JOURNAL NEWS DELIVERED TO YOUR INBOX
Click for details

Received: July 1, 2020 Revised: September 1, 2020 374

International Journal of
Intelligent Engineering & Systems

http://www.inass.org/

Moving Object Segmentation Using Level Set Algorithm with GWO-KFCM Clustering

Viswam Veera Raghavulu* **Anil Prasad**

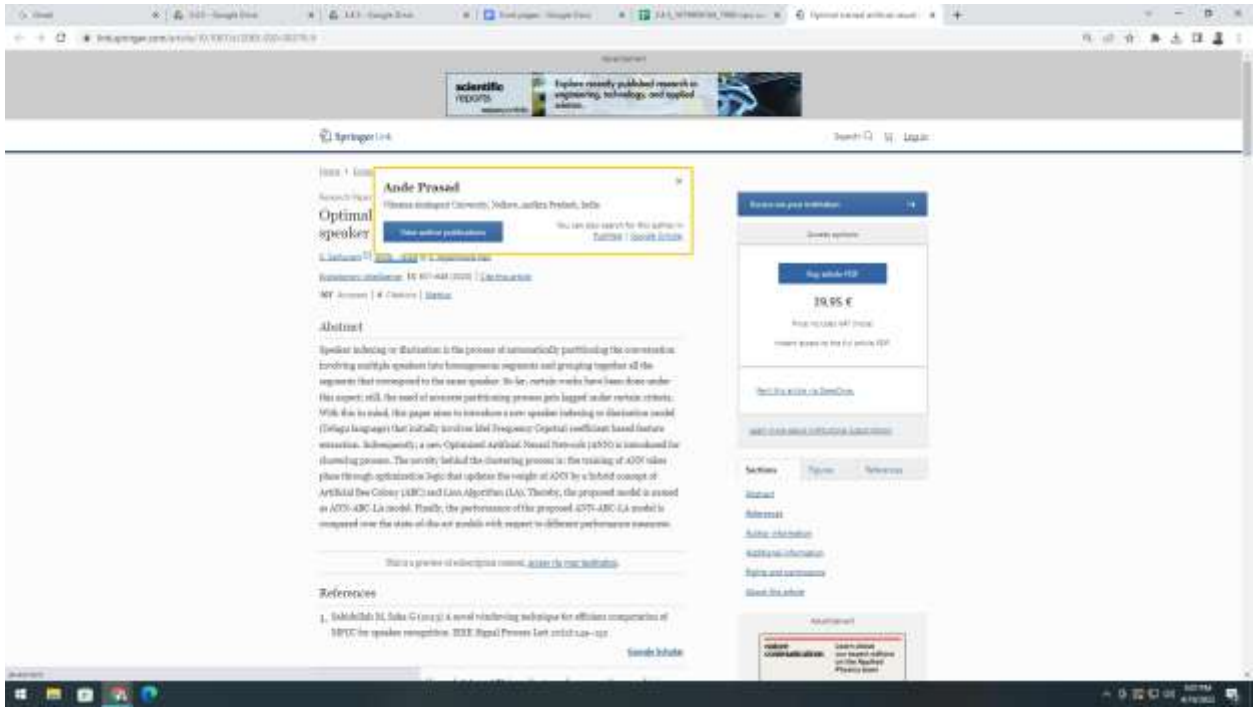
*Department of Computer Science and Engineering, NRKR Institute of Science & Technology, Nellore, India
Department of Computer Science, Vikrama Simhapuri University, Nellore, India
* Corresponding author's Email: veera_raghavulu@rediffmail.com

Abstract: Video analytics is widely used to automatically analyze the videos to extract the required information and detect the various events object identification and traffic analysis. The segmentation of the image is referring to extracting the required region from an image. The major objectives of the segmentation process is to cluster the images without being affected by the noises. The detection of the moving objects is a challenging task in video analysis due to the dynamic background of the video. The major drawback of the existing Kernel Fuzzy C-Means (KFCM) clustering is initialization of random centroids which increases the execution time to identify the segmented portions. In this research, the Grey Wolf Optimization (GWO) algorithm used to initialize the centroids of required clusters in KFCM and Level Set (LS) Algorithm is used to segment the objects in video sequences. The proposed KFCM-GWO-LS is implemented for moving and static object detection in the videos obtained from MSM-BGRD dataset. For object detection, determining central clusters are important which is performed by using KFCM. GWO helps in finding the best centroids clusters by matching with KFCM. The centroids clusters are segmented by using LS algorithm which undergoes over segmentation problem that is overcome by GWO. As all the three techniques are dependent on one another hybrid of all these techniques obtains better results. The proposed KFCM-GWO-LS is evaluated in terms of Recall, Specificity, Precision and F-measure and the experimental results showed that the proposed method improved the system performance from 8.3 % to 16.35 % compared to existing methods Multi Rotor Scheduler Algorithm and Validated Inference Theory model.

Keywords: Dynamic object segmentation, Kernel fuzzy c-means clustering, Level set algorithm, Moving object, Object segmentation, Video analytics

1 Introduction

Nowadays, the usage of the intelligent video analytics and intelligent video systems are significantly increased due to the growing practical requirements like healthcare, transportation, etc. and the video analytics market has 60% compound growth in video systems [1]. The process of obtaining the location and significant information from the existing techniques can be broadly categorized into partitioning, hierarchical, density and model techniques [3]. An unsupervised foreground - background video object segmentation of the difficult scenes is a challenging task in video analysis. The video analysis system is requiring to develop an efficient technique to separate foreground from background in complex videos for different applications object identification, video compression


Ande Prasad
Optimal
speaker
Abstract
References
19.95 €

A NOVEL METHODOLOGY FOR RETRIEVING SKETCH BASED IMAGES BY USING GENERATIVE MODELS

K M V ARA PRASAD
Research Scholar
Department of Computer Science, VEC, Nellore

ANDE PRASAD
Professor
Department of Computer Science, VEC, Nellore

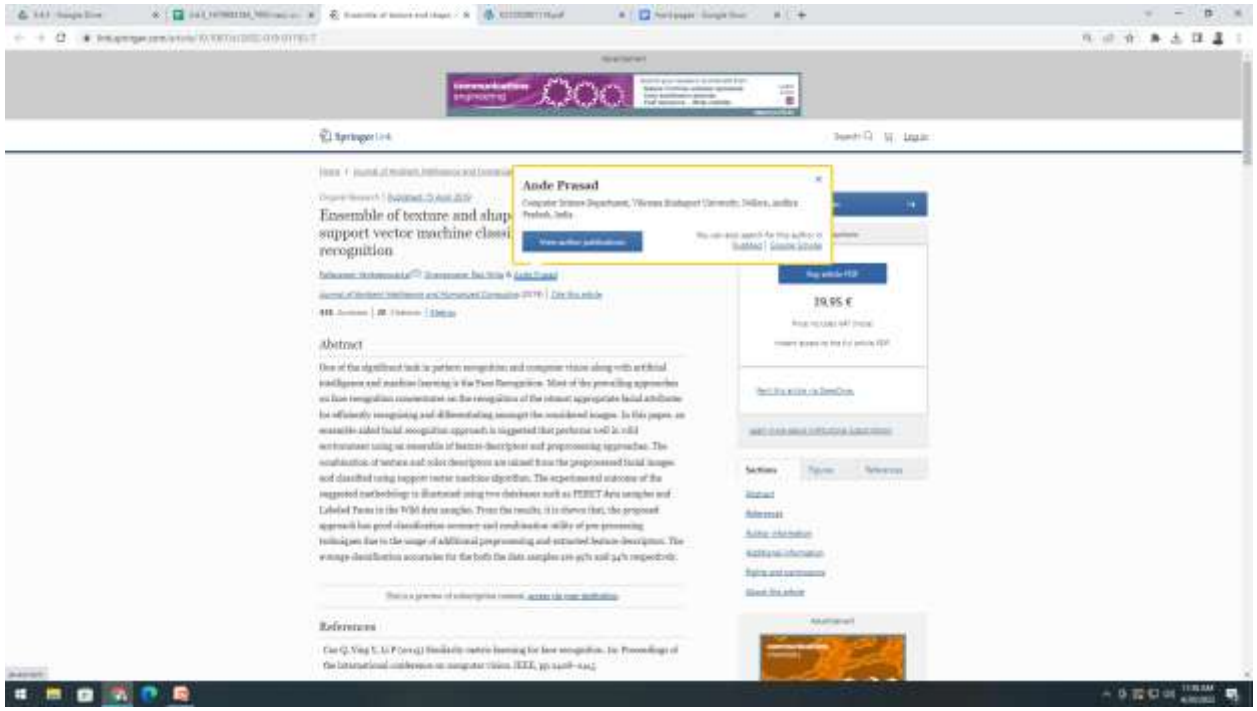
ABSTRACT

The rapid growth of multimedia and mobile technologies provides the ease of developing various images having different shapes and scales. The generated images are being transmitted across the world in different formats for various purposes. With these advancements methodologies thus developed for identifying or expressing their views by means of sketches. These sketch based images have many advantages, the present article propose a methodology for retrieval of such sketch based images using the generative model. This article uses the generalized gamma mixture model for effective retrieval. The efficacy of the proposed word is evaluated using the performance metrics like precision and recall.

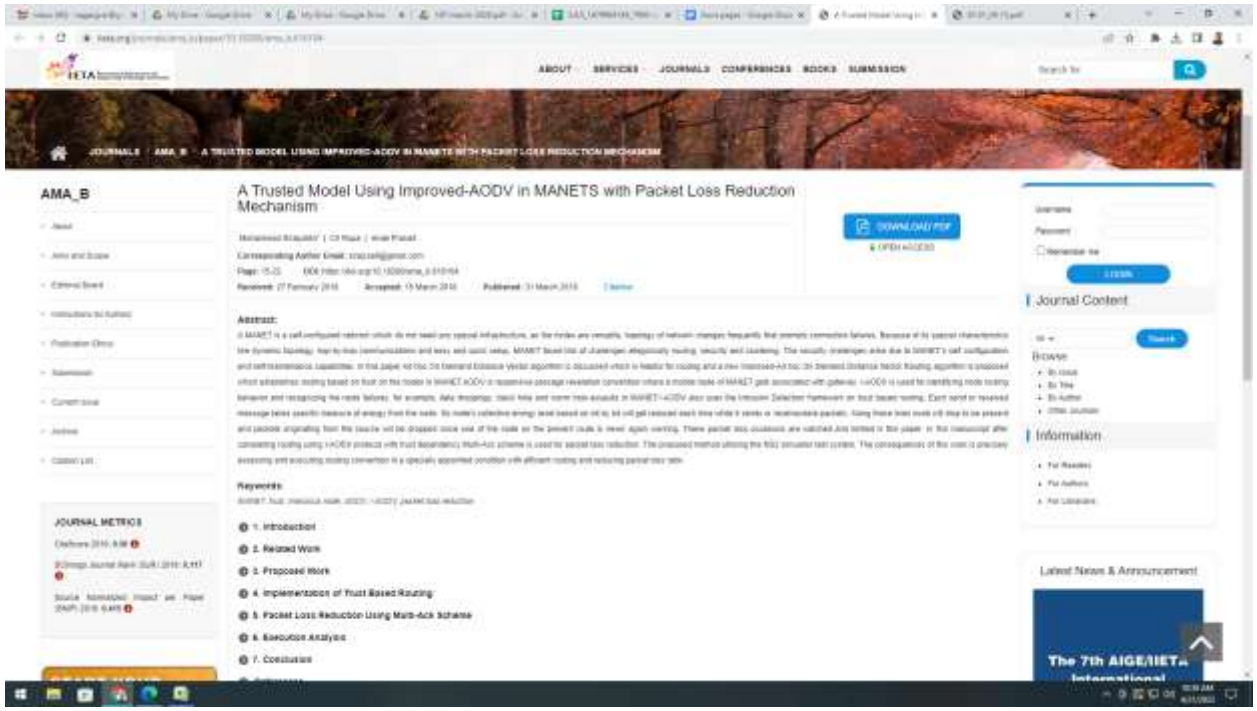
Keywords: Sketch-based Images, performance metrics, generative model, precision, recall

1.0 INTRODUCTION

With the development of social media and communication technologies, the usage of communication devices have been improved the transmitting speed of the images by using wireless applications and 4G technologies. Of late there is no surprise in assuming that there is a place or house where these technologies are never used. With this enormous usage of these communication devices,maximum amounts of data is been generated and is been implicated and transmitted across the globe with different file formats. Therefore leading towards massive growth of data and also towards the development of unstructured data to retrieve such meaningful information from these voluminous data has become a challenging task. The degenerative models like region based, boundary based, level sets and k-means clustering are less effective [illegible] technologies such as Big Data Technologies are helping to sol[illegible]


Ande Prasad
Computer Science Department, Vikrama Simhapuri University, Nellore, Andhra Pradesh, India
View author publications
Ensemble of texture and shap
support vector machine classi
recognition
Abstract
References
19.95 €


Exploration of Crop Production Improvement through Various Agricultural Monitoring Systems


ABOUT
SERVICES
JOURNALS
CONFERENCES
BOOKS
SUBMISSION
AMA_B
A Trusted Model Using Improved-AODV in MANETS with Packet Loss Reduction Mechanism
DOWNLOAD PDF
Abstract:
Keywords:
1. Introduction
2. Related Work
3. Proposed Work
4. Implementation of Trust Based Routing
5. Packet Loss Reduction Using Multi-Ack Scheme
6. Execution Analysis
7. Conclusion
JOURNAL METRICS
Journal Content
Browse
Information
Latest News & Announcement

AMSE

IIETA

Advances in Modeling and Analysis B

A trusted model using improved-AODV in MANETS with packet loss reduction mechanism

Mohammad Sirajuddin*, Ch Rupa*, Anda Prasad*

*Department of CSE, JNTU Kakinada, Kakinada 533003, Andhra Pradesh, India
*Dept. of CSE, VRSEC, Vijayawada 520007, Andhra Pradesh, India
*Dept. of C.S. VEC (Vikrama Simhapuri University), Nellore 524001, Andhra Pradesh, India

Corresponding Author Email: sirajuddy@gmail.com

https://doi.org/10.18280/ama_b.610104

Received: 27 February 2018
Accepted: 15 March 2018

Keywords:
MANET, trust, malicious node, AODV, i-AODV, packet loss reduction

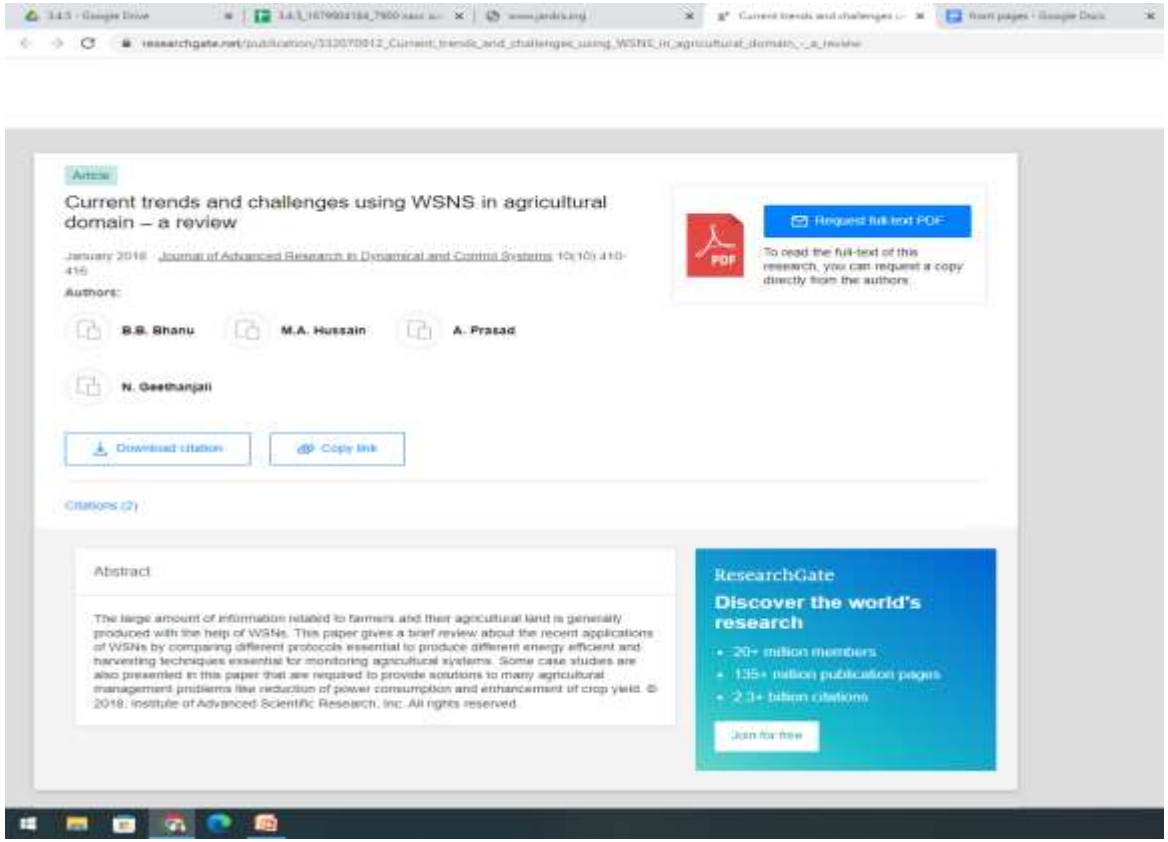
ABSTRACT

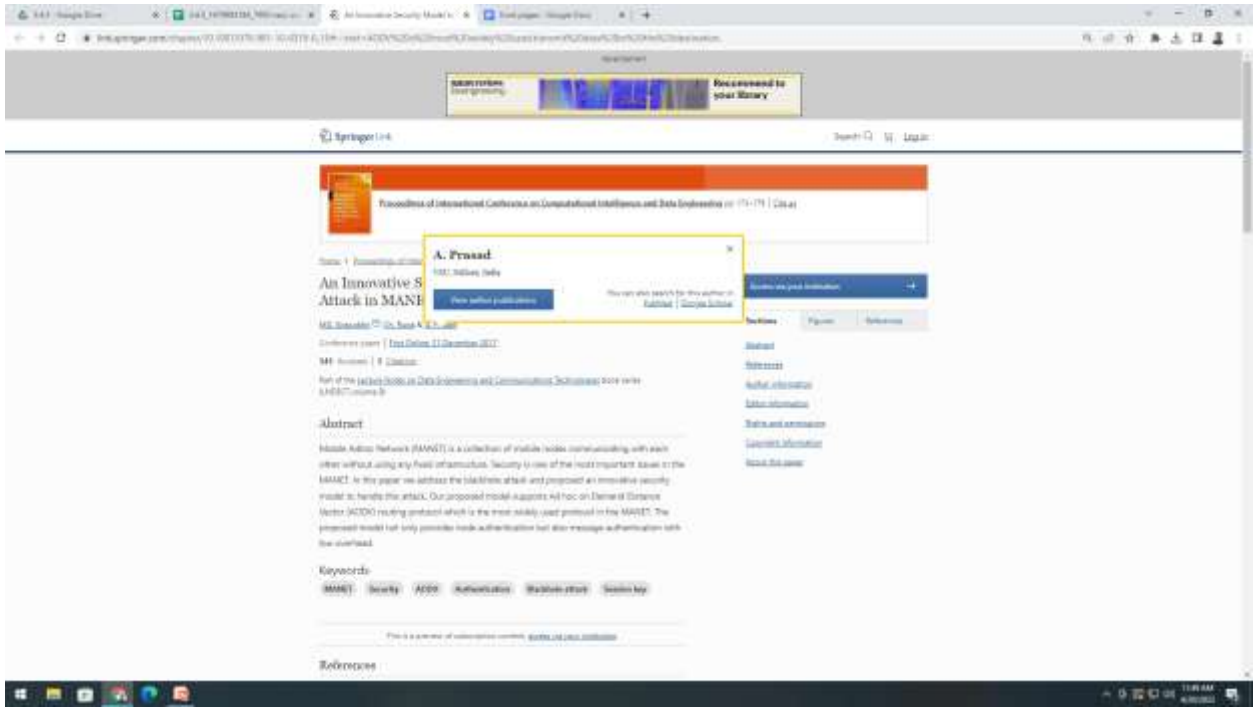
A MANET is a self-configured network which do not need any special infrastructure, as the nodes are versatile, topology of network changes frequently that prompts connection distress. Because of its special characteristics like dynamic topology, help-to-hop communication and easy and quick setup, MANET faced lots of challenges allegorically routing, security and clustering. The security challenges arise due to MANET's self-configuration and self-maintenance capabilities. In this paper, At first On Demand Distance Vector algorithm is discussed which is helpful for routing and a new Improved-Ad hoc On Demand Distance Vector Routing algorithm is proposed which establishes routing based on trust on the nodes in MANET.AODV is inquisitive passage revelation convention where a mobile node of MANET gets associated with gateway. I-AODV is used for identifying node routing behavior and recognizing the node failures, for example, data dropping, black hole and worm hole assaults in MANET.i-AODV also uses the Intrusion Detection framework on trust based routing. Each send or received message takes specific measure of energy from the node. So nodes collect its energy level based on 'wt' by 'wt' still get reduced each time, while it sends or receives packets. Along these lines node will stop on its process and packets originating from the source will be dropped since one of the node on the pursuit route is never again working. These packet loss situations are watched and limited in this paper. In this manuscript after completing routing using I-AODV protocol with trust dependence Multi-link scheme is used for packet loss reduction. The proposed method utilizing the NS2 simulator test system. The consequence of this work is precisely assessing and executing routing convention in a generally appointed condition with efficient routing and reducing packet loss ratio.

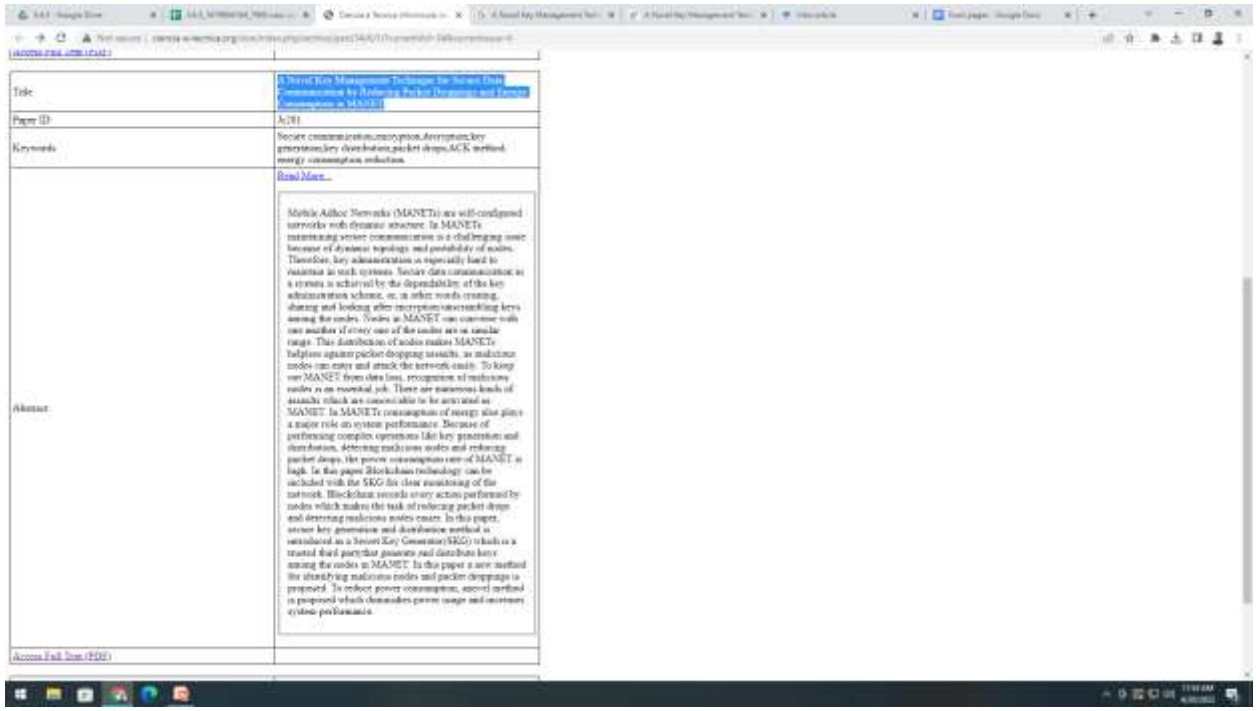
1. INTRODUCTION

Wireless Communication is one of the rising innovations which enable clients to get to data and benefits electronically, in spite of their geological position. Wireless communication can be named. Infrastructured organized and Infrastructureless system. Versatile Adhoc organizations is an exceptional sort of infrastructureless system. It is an accumulation of portable nodes that move arbitrarily and powerfully [1]. The portable nodes with wireless radio interfaces are associated by wireless connections. With the dynamic nature of MANET the system topology changes quickly and continuously then the effective routing convention plays essential parts in taking care of it. They ought to be skilled to guarantee the transportation of packets securely to their destinations. MANETs are additionally fit for dealing with topology wireless connection qualities are time-changing in nature. There are transmission obstructions like blurring, route failure, obstacle and impedance that adds to the mis-conduct of wireless channels. The obligation of wireless transmission is opposed by different elements. Packet Loss happens from Measures to transmission . MANETs experience higher packet loss due to factors like unauthorized nodes that impacts network performance, wireless channel issues, obstruction, and link breakage in routes.

Routing Failure is another significant reason for the packet loss in AODV and degrades the system performance. The system is comprising of various hops, one is source and another is destination, and the nodes those are in the middle of those two nodes is called halfway nodes. There is a dynamic node which is recharge of the forwarding data. Now some hundred of nodes with


Article
Current trends and challenges using WSNS in agricultural domain – a review
January 2018 · Journal of Advanced Research in Dynamical and Control Systems 10(10):410-416
Authors:
B.B. Bhanu
M.A. Hussain
A. Prasad
N. Geethanjali
Download citation
Copy link
Citations (2)
Request full-text PDF
To read the full-text of this research, you can request a copy directly from the authors.
Abstract
The large amount of information related to farmers and their agricultural land is generally produced with the help of WSNs. This paper gives a brief review about the recent applications of WSNs by comparing different protocols essential to produce different energy efficient and harvesting techniques essential for monitoring agricultural systems. Some case studies are also presented in this paper that are required to provide solutions to many agricultural management problems like reduction of power consumption and enhancement of crop yield. © 2018, Institute of Advanced Scientific Research, Inc. All rights reserved.
ResearchGate
Discover the world's research
20+ million members
135+ million publication pages
2.3+ billion citations
Join for free


A. Prasad
Abstract
Keywords
References



Title	A Novel Key Management Technique for Secure Data Communication by Reducing Packet Dropping and Energy Consumption in MANET
Paper ID	A(20)
Keywords	Secure communication,encryption,decryption,key generation,key distribution,packet drops,ACK method, energy consumption reduction.
Abstract	Read More... Mobile Adhoc Networks (MANETs) are self-configured networks with dynamic structure. In MANETs maintaining secure communication is a challenging issue because of dynamic topology and probability of nodes. Therefore, key administration is especially hard to maintain in such systems. Secure data communication in a system is achieved by the dependability of the key administration scheme, or, in other words creating, sharing and looking after encryption/unscrambling keys among the nodes. Nodes in MANET can converse with one another if every one of the nodes are in circular range. This distribution of nodes makes MANETs helpless against packet dropping assaults, as malicious nodes can entry and attack the network easily. To keep our MANET from data loss, recognition of malicious nodes is an essential job. There are numerous kinds of assaults which are known able to be associated in MANET. In MANETs consumption of energy also plays a major role on system performance. Because of performing complex operations like key generation and distribution, detecting malicious nodes and reducing packet drops, the power consumption rate of MANET is high. In this paper Blockchain technology can be included with the SKG for close monitoring of the network. Blockchain records every action performed by nodes which makes the task of reducing packet drops and detecting malicious nodes easier. In this paper, secure key generation and distribution method is introduced as a Secret Key Generator(SKG) it leads to a trusted third party that generate and distribute keys among the nodes in MANET. In this paper a new method for identifying malicious nodes and packet droppings is proposed. To reduce power consumption, a novel method is proposed which diminishes power usage and increases system performance.
Access Full Text (PDF)	


197-1093939866 547-552.pdf
Open with
Journal of Critical Reviews
MAPPING XML TREES TO RELATIONAL DATABASES USING EFFICIENT DATA STRUCTURE FOR PROXIMITY KEYWORD SEARCHING
Abstract
INTRODUCTION
Page

International Journal of Future Generation Communication and Networking
Vol. 13, No. 4, (2020), pp. 364-374

A Comparative Study of Keyword Searching on XML Trees Using Compact Tree Indexing and XR Tree Indexing

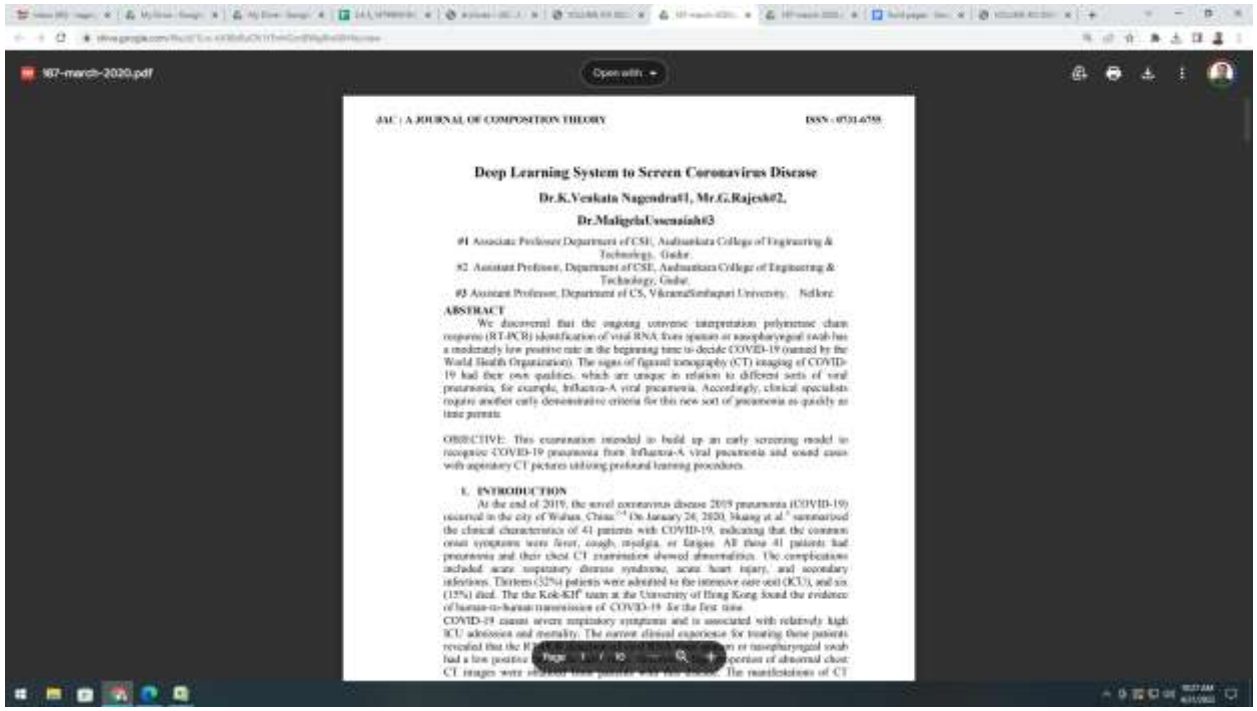
IK Sreapna, Dr G. Vijaya Lakshmi

[1]IK Sreapna, Ph.D Research Scholar, Department of Computer Science, Vikrama Simhapuri University, Kakutur, Nellore AP, sreapna8209@gmail.com

[2]Dr G. Vijayalakshmi, Assistant Professor, Department of Computer Science, Vikrama Simhapuri University, Kakutur, Nellore AP, vijaya.vasan17@yahoo.co.in

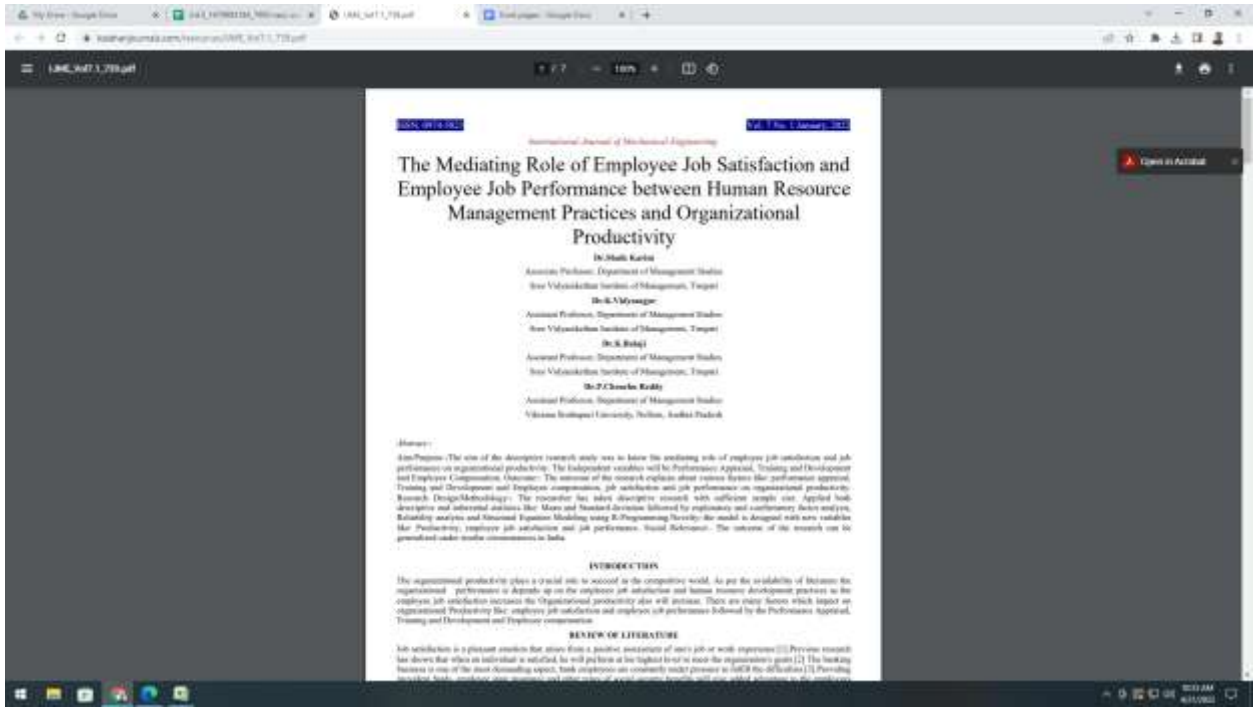
Abstract

XML documents have been rapidly used to store heterogeneous data types which could be either structured or semi structured. Large organizations prefer to store their data in the format of XML as it offers many benefits compared to HTML. Due to the rise in the usage of XML databases, the need to locate the data and maintenance of it has been in demand. Keyword Searching is one of the techniques where the user can locate a data item without knowing the query semantics or the structure of the data stored. To assist in easy retrieval of specific information, indexing the data efficiently helps a lot. This paper primarily focused on using a compact tree structure to index the XML data and developed an algorithm on top of it which assists in quick query processing and minimized index traversal time. We also studied a labelled tree known as XML region tree and presented the comparative results to show the efficacy of our indexing structure.


167-march-2020.pdf
Open with
JAC : A JOURNAL OF COMPOSITION THEORY
ISSN : 0731-6755
Deep Learning System to Screen Coronavirus Disease
Dr.K.Venkata Nagendra#1, Mr.G.Rajesh#2,
Dr.MaligelaUssenaiah#3
#1 Associate Professor Department of CSE, Audisankara College of Engineering & Technology, Gudur.
#2 Assistant Professor, Department of CSE, Audisankara College of Engineering & Technology, Gudur.
#3 Assistant Professor, Department of CS, VikramaSimhapuri University, Nellore.
ABSTRACT
We discovered that the ongoing converse interpretation polymerase chain response (RT-PCR) identification of viral RNA from sputum or nasopharyngeal swab has a moderately low positive rate in the beginning time to decide COVID-19 (named by the World Health Organization). The signs of figured tomography (CT) imaging of COVID-19 had their own qualities, which are unique in relation to different sorts of viral pneumonia, for example, Influenza-A viral pneumonia. Accordingly, clinical specialists require another early demonstrative criteria for this new sort of pneumonia as quickly as time permits.
OBJECTIVE: This examination intended to build up an early screening model to recognize COVID-19 pneumonia from Influenza-A viral pneumonia and sound cases with aspentary CT pictures utilizing profound learning procedures.
I. INTRODUCTION
At the end of 2019, the novel coronavirus disease 2019 pneumonia (COVID-19) occurred in the city of Wuhan, China.[1-4] On January 24, 2020, Huang et al.[5] summarized the clinical characteristics of 41 patients with COVID-19, indicating that the common onset symptoms were fever, cough, myalgia, or fatigue. All these 41 patients had pneumonia and their chest CT examination showed abnormalities. The complications included acute respiratory distress syndrome, acute heart injury, and secondary infections. Thirteen (32%) patients were admitted to the intensive care unit (ICU), and six (15%) died. The the Kok-Kin[6] team at the University of Hong Kong found the evidence of human-to-human transmission of COVID-19 for the first time.
COVID-19 causes severe respiratory symptoms and is associated with relatively high ICU admission and mortality. The current clinical experience for treating these patients revealed that the R[illegible] or nasopharyngeal swab had a low positive [illegible] portion of abnormal chest CT images were [illegible]. The manifestations of CT
Page 1 / 10


International Journal of Innovative Technology and Exploring Engineering (IJITEE)
Classification of Natural Textures using Rule Based Rank Matrix
Open in Acrobat

BUSINESS MANAGEMENT



ISSN: 0974-5823 Vol. 7 No. 1 January, 2015

International Journal of Mechanical Engineering

The Mediating Role of Employee Job Satisfaction and Employee Job Performance between Human Resource Management Practices and Organizational Productivity

Dr.Shaik Karim

Associate Professor, Department of Management Studies

Sree Vidyanikethan Institute of Management, Tirupati

Dr.K.Vidyasagar

Assistant Professor, Department of Management Studies

Sree Vidyanikethan Institute of Management, Tirupati

Dr.K.Balaji

Assistant Professor, Department of Management Studies

Sree Vidyanikethan Institute of Management, Tirupati

Dr.P.Chowdu Reddy

Assistant Professor, Department of Management Studies

Vikrama Simhapuri University, Nellore, Andhra Pradesh

Abstract -

Aim/Purpose -The aim of the descriptive research study was to know the mediating role of employee job satisfaction and job performance on organizational productivity. The Independent variables will be Performance Appraisal, Training and Development and Employee Compensation. Outcome: The outcome of the research explains about various factors like performance appraisal, Training and Development and Employee compensation, job satisfaction and job performance on organizational productivity. Research Design/Methodology: The researcher has taken descriptive research with sufficient sample size. Applied both descriptive and inferential statistics like Mean and Standard deviation followed by exploratory and confirmatory factor analysis, Reliability analysis and Structural Equation Modeling using R-Programming.Novelty: the model is designed with new variables like Productivity, employee job satisfaction and job performance. Social Relevance: The outcome of the research can be generalized under similar circumstances in India.

INTRODUCTION

The organizational productivity plays a crucial role to succeed in the competitive world. As per the availability of literature the organizational performance is depends up on the employee job satisfaction and human resource development practices as the employee job satisfaction increases the Organizational productivity also will increase. There are many factors which impact on organizational Productivity like: employee job satisfaction and employee job performance followed by the Performance Appraisal, Training and Development and Employee compensation

REVIEW OF LITERATURE

Job satisfaction is a pleasant emotion that arises from a positive assessment of one's job or work experience.[1] Previous research has shown that when an individual is satisfied, he will perform at his highest level to meet the organization's goals.[2] The banking business is one of the most demanding aspect, bank employees are constantly under pressure to fulfill the difficulties.[3] Providing [illegible]


Journal of Critical Reviews
HOME ABOUT JOURNAL EDITORIAL BOARD INSTRUCTIONS FOR AUTHORS ARCHIVE CONTACT
Journal of Critical Reviews
MACHINE LEARNING STRUCTURAL EQUATION MODELING ALGORITHM ON ONLINE SHOPPING CUSTOMER SATISFACTION MEASUREMENT (2020)
Abstract
Description
Submit Article

Journal of Critical Reviews

Review Article

MACHINE LEARNING-STRUCTURAL EQUATION MODELING ALGORITHM ON ONLINE SHOPPING CUSTOMER SATISFACTION MEASUREMENT

[1]Dr.A.M.Mahalakshmi Basha, [2]Dr.P.Chenchu Reddy, [3]Dr.G.Radha Krishna Murthy, [4]Mr.D.Ankaiah, [5]Dr.S.Dinakaranbabu

Received: 07.02.2020 Revised: 12.03.2020 Accepted: 16.04.2020

Abstract:

Purpose The purpose/aim of this empirical research was to know the impact of ease of use, service convenience, reliability and security on online customer satisfaction. Further, to investigate the role of reliability and security on online customer satisfaction. Wuxia age three categories of variables mainly influencing on online customers' satisfaction. They are i) control variables: gender, age, education, service and income. ii. Main variables: ease of use, service and convenience. iii. Intervention variables: reliability and security. Design/Methodology/Approach: Using a structured research model created questionnaires to collect the data from 600 respondents. The questionnaires circulated with pilot study followed by standardized model factors validated through confirmatory factor analysis and model fit was confirmed through GFI, AGFI, CFI and TLI (>0.90). Researchers applied Service-level agreement approach to test the impact of moderation on customer satisfaction. Findings: The outcomes of the research revealed that, ease of use, service convenience, reliability and security from shows significant positive impact on online customer satisfaction followed by the moderating variables security and reliability strengthened to such manner which leads to high customer satisfaction. The hybrid approach also proved through Artificial Neural Network with good model fit. Research implications: The outcome of the research can be generalized under the circumstances, situations and conditions. The proposed model was useful to understand online customer satisfaction level. In fact, the research was straightforward through literature review. Social implications: presents inside view for marketers/judges. The value of the online customer. Originality/value: The study provides new insights to the readers, which has not been designed earlier to understand the online customer satisfaction level. Paper type: the nature of is a research paper.

Key words: Online customer satisfaction, moderation, moderation, ease of use, service, security, reliability, convenience.

INTRODUCTION

STATEMENT OF THE PROBLEM

REVIEW OF LITERATURE

ISSN 2278-3091

Volume 9 No.2, March - April 2020

International Journal of Advanced Trends in Computer Science and Engineering

Available Online at http://www.warse.org/IJATCSE/static/pdf/file/ijatcse14892020.pdf

https://doi.org/10.30534/ijatcse/2020/14892020

Machine learning Structural Equation Modeling Algorithm to Measure Performance

Dr.A.M.Mahaboob Basha[1], Dr.P.Chandra Reddy[2], Dr.G.Radha Krishna Murthy[3], B.Ankaiah[4], C.Balakumaran[5]

[1]Department of Management Studies, Anathoukula College of Engineering & Technology, Gudur, drbasha1@gmail.com

[2]Department of Management Studies, Vikrama Simhapuri University, Nellore, India, drpcreddy09@gmail.com

[3]R&D Department, Sri Venkateswara College of Engineering, Nellore, India, gkmurty.vsdbt@gmail.com

[4]Department of Management Studies, Yogi Vemana University, Kadapa, India, ankaiah.mba@gmail.com

[5]Department of Tourism Management, Vikrama Simhapuri University, India, balumba.mba@gmail.com

ABSTRACT

Aim of this paper is to investigate the mediating and moderating role of employee performance and ethical Dilemma on organizational performance. In contemporary business practiced implementation of ethical values plays a crucial role. Lacking of ethicality in the implementation of ethical concepts creates organizational deficiency. The implementation of ethical values can be seen in all areas like, training and development, performance appraisal, compensation and career planning which creates employee performance leads to organizational performance. Design/methodology/approach: The current research basically runs with secondary data followed by primarily data, using structured closed ended questionnaire to collect opinion from various respondents in the study area of transport sector. The data collected from 200 sample respondents. The questionnaire validated through pilot study and loaded factors validated through confirmatory factor analysis and model through goodness of fit index. The results of the hierarchical regression of complex mediated moderation reveal the significant positive relationship between HRM practices and employee performance leads to organizational performance. The ethical dilemma interacted with employee performance in such a manner that HRM practices with following ethical values will results high organizational performance as employees for that, organization following organizational code of conduct and ethics, which creates high organizational performance. The present research done on the basis of available literature in India and western context, the research has practical implications on MNC's where Human resource will be treated as assets of the organization. The generality of the study is, the outcome of the research can be generalized to anywhere under any circumstances and situations. The study

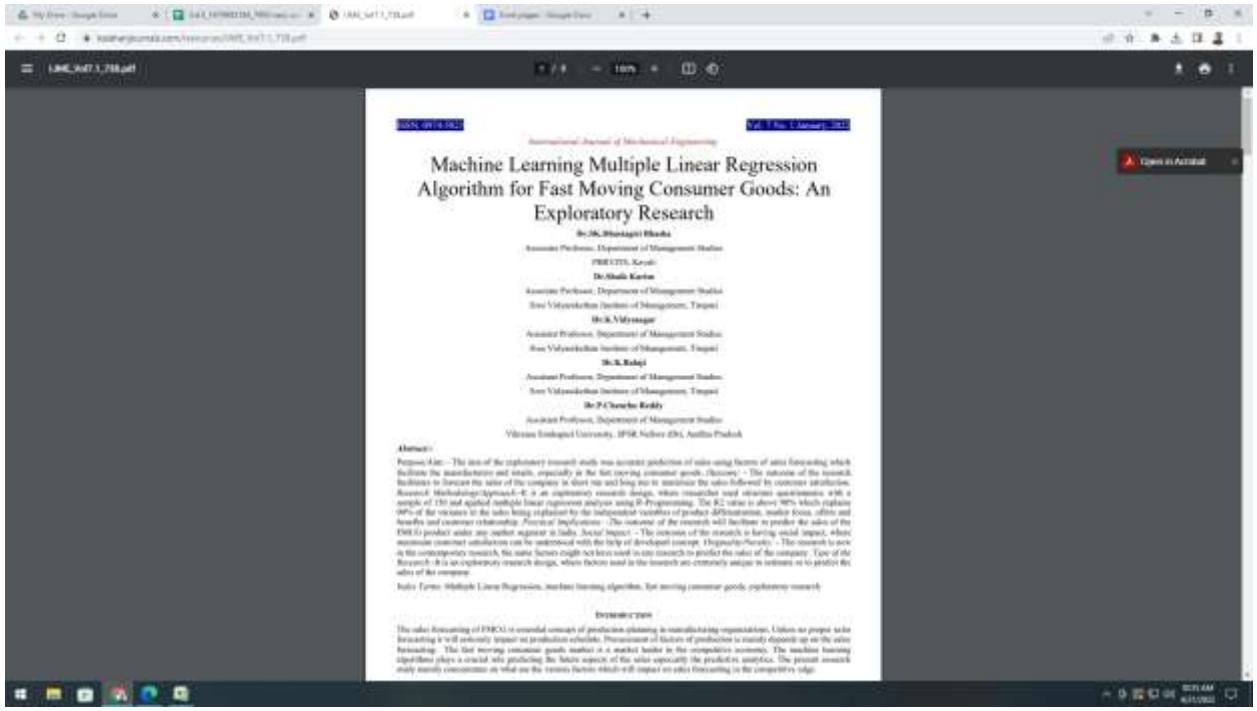
Key Words: Ethical Dilemma, Ethics, Moderation, Mediation, Human values, values, etc.

1.INTRODUCTION

The ethical foundation is essential in every organization for long-run survival. The efficiency and efficacy of the organization will depends on the ethical practices which are being followed by the organizations. It is evident from the literature that, the organizational performance is being depends up on various aspects like appraisal, training, career development, employee compensations are directly linked with the organizational performance. In this context, following of ethical values plays a significant role. It is evident from many literatures that, lacking of ethical values while performing many aspects in the organization will leads to employee dissatisfaction consequently organizational performance gradually will decrease. In the present research researcher is trying to consider ethical values as a moderator which moderates employee performance followed by organizational performance in the organization.

2.REVIEW OF LITERATURE

Author conducted a research work in the area of HRD in milk industry. The outcome of the research evident that, personnel development is a continuous process and management need to come-up with various HRD development strategies which impact on organizational prosperity. The team work, employer-employee relationship, organizational culture will plays a significant role in the process of human resource development in the organization [1].Jawa conducted a research study in IT industry, the high performance IT industries will be influenced by HRD



ISSN: 0974-5823 Vol. 7 No. 1 January - 2015

International Journal of Mechanical Engineering

Machine Learning Multiple Linear Regression Algorithm for Fast Moving Consumer Goods: An Exploratory Research

Dr.(Mr.)Dhananjay Bhardwa

Associate Professor, Department of Management Studies

PIRETTI, Kayali

Dr.Shaik Karim

Associate Professor, Department of Management Studies

Sree Vidyanikethan Institute of Management, Tirupati

Dr.K.Vidyasagar

Assistant Professor, Department of Management Studies

Sree Vidyanikethan Institute of Management, Tirupati

Dr.K.Balaji

Assistant Professor, Department of Management Studies

Sree Vidyanikethan Institute of Management, Tirupati

Dr.P.Chandra Reddy

Assistant Professor, Department of Management Studies

Vikrama Simhapuri University, SPSR Nellore (Dt), Andhra Pradesh

Abstract:

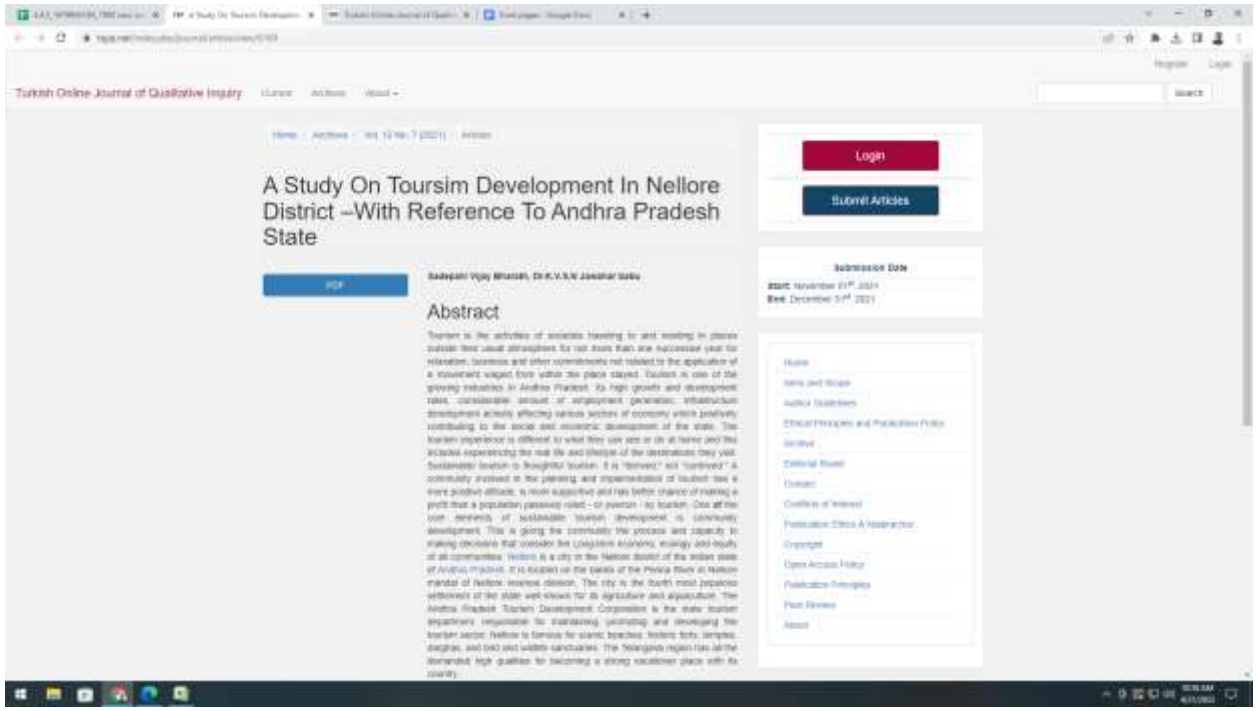
Purpose Aim: – The aim of the exploratory research study was accurate prediction of sales using factors of sales forecasting which facilitate the manufacturers and retails, especially in the fast moving consumer goods. Discovery: - The outcome of the research facilitates to forecast the sales of the company in short run and long run to maximize the sales followed by customer satisfaction. Research Methodology/Approach: -It is an exploratory research design, where researcher used structure questionnaires with a sample of 150 and applied multiple linear regression analysis using R-Programming. The R2 value is above 90% which explains 90% of the variance in the sales being explained by the independent variables of product differentiation, market focus, offers and benefits and customer relationship. Practical Implications: -The outcome of the research will facilitate to predict the sales of the FMCG product under any market segment in India. Social Impact: - The outcome of the research is having social impact, where maximum customer satisfaction can be understood with the help of developed concept. Originality/Novelty: - The research is new as this contemporary research, the sales factors might not have used in any research to predict the sales of the company. Type of the Research: -It is an exploratory research design, where factors used in the research are extensively analyze in estimate so to predict the sales of the company.

Index Terms: Multiple Linear Regression, machine learning algorithm, fast moving consumer goods, exploratory research

INTRODUCTION

The sales forecasting of FMCG is essential concept of production planning in manufacturing organizations. Unless no proper sales forecasting it will seriously impact on production schedule. Procurement of factors of production is mainly depends up on the sales forecasting. The fast moving consumer goods market is a market leader in the competitive economy. The machine learning algorithms plays a crucial role predicting the future aspects of the sales especially the predictive analytics. The present research study mainly concentrates on what are the various factors which will impact on sales forecasting in the competitive edge.

TOURISM MANAGEMENT


Turkish Online Journal of Qualitative Inquiry
A Study On Toursim Development In Nellore District –With Reference To Andhra Pradesh State
Login
Submit Articles
Abstract


Journal of Interdisciplinary Cycle Research
An Empirical Study on Challenges and Prospects of Andhra Pradesh Tourism with reference to Nellore District
Introduction

Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945

An Empirical Study on Challenges and Prospects of Andhra Pradesh Tourism with reference to Nellore District

Sadupalli Vijay Bharath[1]
Prof.K.V.S.N.Jawahar Babu

Introduction

India defies definition. It is not one country but many, compressed into a single subcontinent. It offers the widest choice of landscapes from snow-capped Himalayan ranges and arid deserts to tropical beaches and palm-fringed lagoons. Whether it is north, south, east or west, every point of the compass introduces us to a new world. No other country offers such an infinite variety of destinations, beckoning the traveller to return and make fresh discoveries on every visit. It is a land of astounding contrasts and immense diversity. It is home to one of the oldest civilizations in the world, dating back to 2500 BC. Years of conquest, migration and settlement have resulted in a rich ethnic diversity. Size is reflected in the people-the Aryans of the north, the Dravidians of the south, Sino-Asian people of the northeast and the tribal groups of darkness, the oldest inhabitants of the subcontinent. This multicultural terrain has created a melting pot of more than one billion people, each with their own distinctive language, culture and customs.

This biblical land of awe-inspiring monuments and natural wonders includes no less than 32 World Heritage Sites. It is the birthplace of four major religions-Hinduism, Buddhism, Jainism and Sikhism. It is where deep spirituality coexists with abject poverty, where cosmopolitan cities contrast with villages, and a traditional way of life has remained unchanged for centuries. All these paradoxes make India a fascinating country.

Heritage Sites

[1]Full-Time Research Scholar, Department of Tourism Management, Acharya Nagarjuna University, Guntur-522510, Andhra

[2]Professor, Department of Tourism Management, Acharya Nagarjuna University, Guntur-522510, Andhra

The International journal of analytical and experimental modal analysis ISSN NO:0886-9367

PROSPECTS AND EMERGING CHALLENGES IN PROVIDING INFRASTRUCTURAL FACILITIES FOR PROMOTING TOURISM DESTINATION WITH REFERENCE TO ANDHRA PRADESH

Sukiyadi. Vijaya Sharathi[1]
Prof.K.V.S.N. Jawahar Babu[2]

Abstract

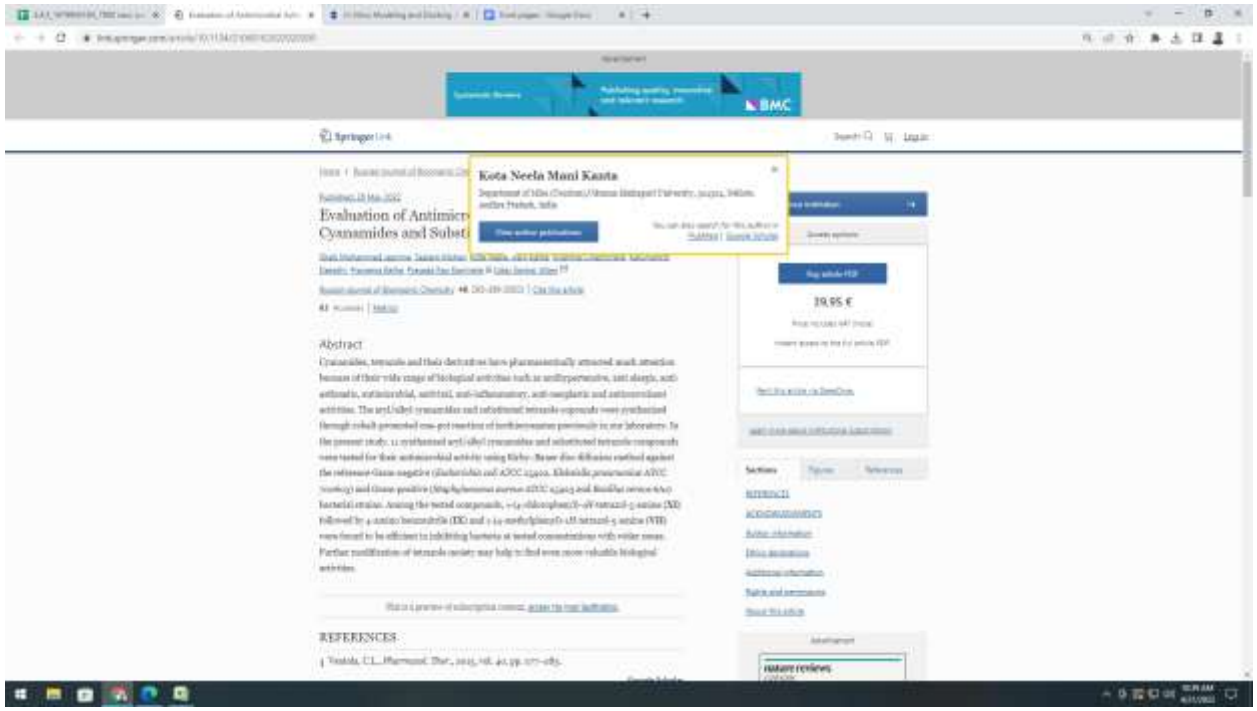
This paper explores the prospects and challenges involved in providing infrastructural facilities for the purpose of promoting tourism destinations. The paper chose Andhra Pradesh as the study area for its overwhelming tourist arrival from domestic as well foreign countries. The paper highlighted the need for increasing investment in human and financial resources for accomplishing the level of satisfaction of visitors by increasing transport facilities, tourist assistance and marketing resources.

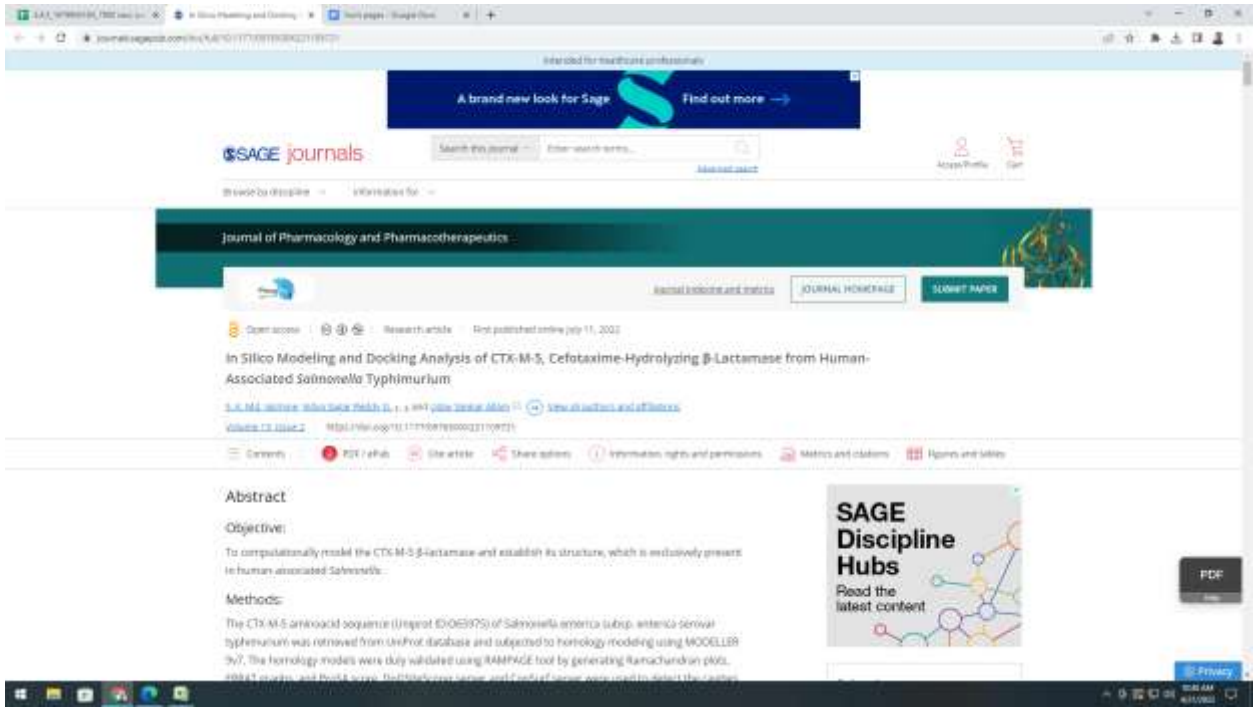
Keywords: tourism infrastructure, tourism destination, investment, facilities, tourist satisfaction.

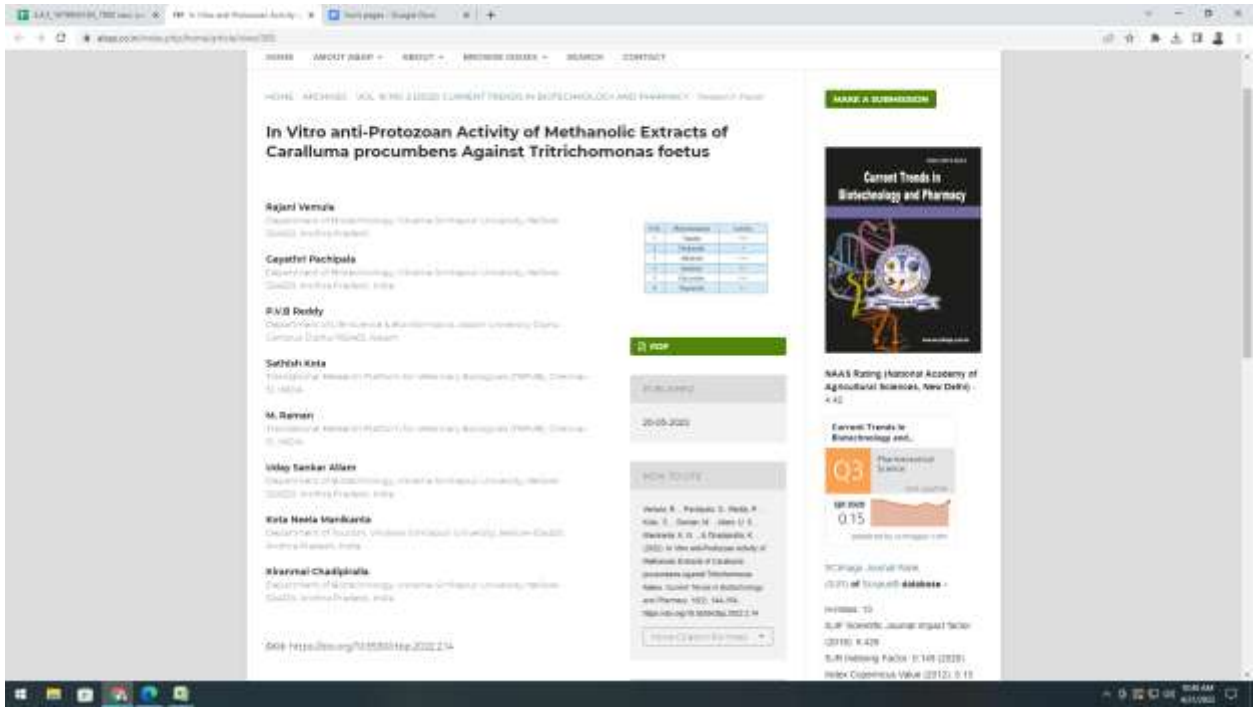
1.1 Introduction

Tourism, as an industry has the capability to change the economic, socio-cultural and environmental elements of the world. Tourism is one of the biggest and quickly developing sectors across the globe. It can possibly impact the living pattern of communities. It is one of the most significant channels of cultural trade which separates the interactions between individuals of various places of the world. It is the assessment of activities, administrations and enterprises that conveys a travel experience including accommodation, transportation, retail shops, hotels, entertainment, business and other hospitality services for visitors or groups that travel away from home. In developing nations like India tourism holds a place in one of the significant sectors of the economy, adding to an enormous extent of the National income and creating wide variety of opportunities for employment. It has become the quickest developing assistance industry in the nation with extraordinary possibilities for its further extension and expansion. Tourism is considered as a driving force for job creation, alleviation of poverty and Social harmony. Tourism is the important foreign exchange earner for which thus helps in improving local condition and update the nature of products and ventures especially transportation, providing food, hotels, handicrafts and cultural activities.

[1]Full-Time Research Scholar, Department of Tourism Management, Dravidian Srinivasan University, Andhra-524320. e-mail: vijayasharathi@gmail.com, mobile: 8374414187.
[2]Professor, Department of Tourism Management, Dravidian Srinivasan University, Andhra-524320.


Kota Neela Mani Kanta
Abstract
REFERENCES
39.95 €


A brand new look for Sage
Find out more
SAGE journals
Journal of Pharmacology and Pharmacotherapeutics
JOURNAL HOMEPAGE
SUBMIT PAPER
In Silico Modeling and Docking Analysis of CTX-M-5, Cefotaxime-Hydrolyzing β-Lactamase from Human-Associated Salmonella Typhimurium
Abstract
Objective:
Methods:
SAGE Discipline Hubs
Read the latest content
PDF



In Vitro anti-Protozoan Activity of Methanolic Extracts of Caralluma procumbens Against Tritrichomonas foetus

Rajani Vemula

Gayathri Pachipala

P.V.B Reddy

Sathish Kota

M. Raman

Uday Sankar Allam

Kota Neela Manikanta

Bhavmai Chadipiralla

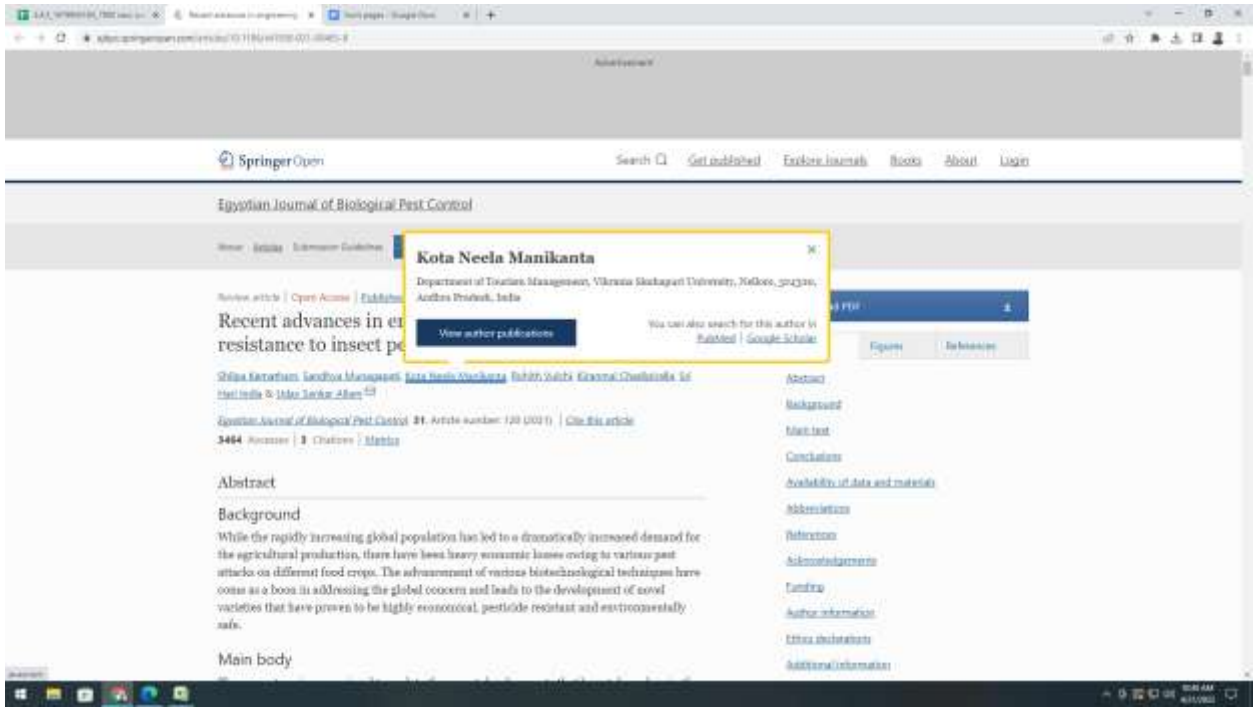
MAKE A SUBMISSION

Current Trends in Biotechnology and Pharmacy

NAAS Rating (National Academy of Agricultural Sciences, New Delhi) - 4.42

Q3

0.15


Springer Open
Search
Get published
Explore Journals
Books
About
Login
Egyptian Journal of Biological Pest Control
Kota Neela Manikanta
Department of Tourism Management, Vikrama Simhapuri University, Nellore, 524320, Andhra Pradesh, India
View author publications
You can also search for this author in PubMed | Google Scholar
Recent advances in
resistance to insect
Abstract
Background
While the rapidly increasing global population has led to a dramatically increased demand for the agricultural production, there have been heavy economic losses owing to various pest attacks on different food crops. The advancement of various biotechnological techniques have come as a boon in addressing the global concern and leads to the development of novel varieties that have proven to be highly economical, pesticide resistant and environmentally safe.
Main body
Abstract
Background
Main text
Conclusions
Availability of data and materials
Abbreviations
References
Acknowledgements
Funding
Author information
Ethics declarations
Additional information

Annals of R.S.C.B., ISSN 1583-6258, Vol. 25, Issue 4, 2021, Pages 14276-14300
Received 05 March 2021; Accepted 01 April 2021

Traditional Rice Beer of Assam, North East India: Traditionalism, Ethnobiology and its Pharmacomedicinal Trends

Pankaj Kalita[1#], Chayanika Devi[2#], Dipak Konwar[2], Chadipiralla Kiranmai[4], Ajit K. Tamuli[2], Uday Sankar Allam[4], Kota Neela Manikanta[5], Pichili Vijaya Bhaskar Reddy[2*]

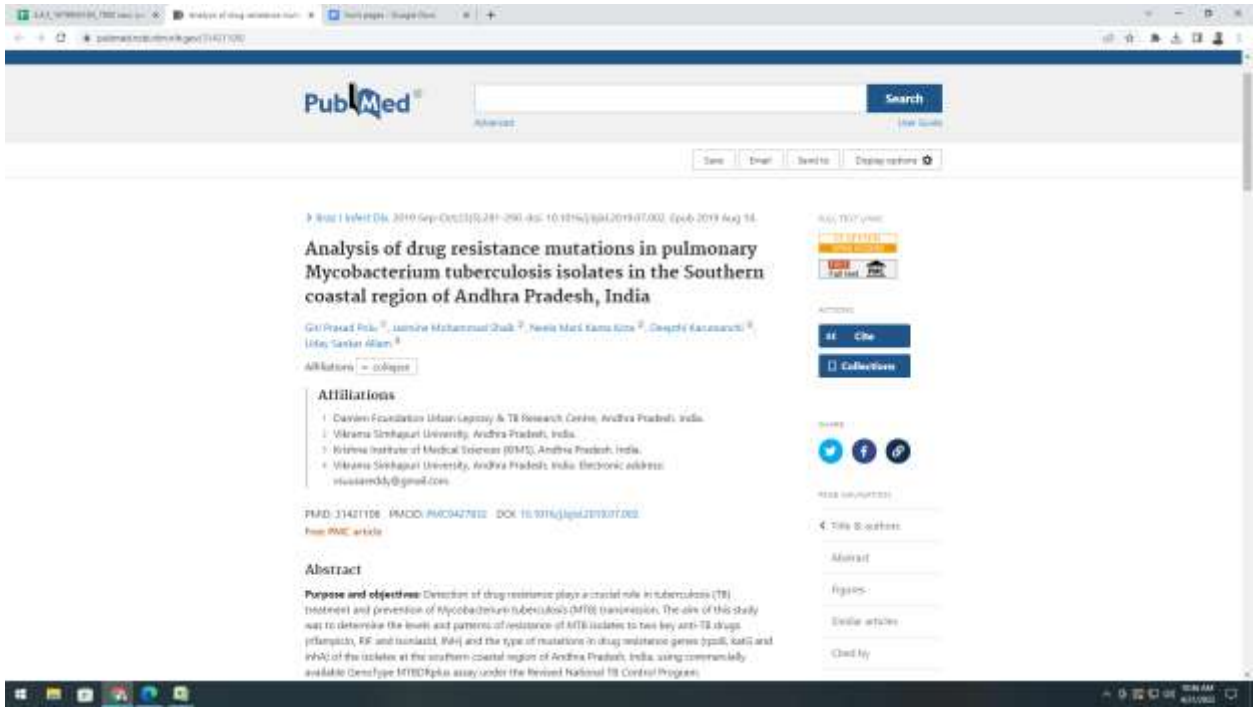
[1]Department of Zoology, Eastern Karbi Anglong College, Sarihajan, Karbi Anglong, Assam, India
[2]Dept. of Life Science & Bioinformatics, Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India
[3]Department of Botany, Pub Kamrup College, Baihata Chariali, Kamrup, Assam, India
[4]Department of Biotechnology, Vikrama Simhapuri University, Nellore, AP, India
[5]Department of Tourism Management, Vikrama Simhapuri University, Nellore, AP, India

# Denotes Equal Authorship *Corresponding author Dr. Pichili Vijaya Bhaskar Reddy, Dept. of Life Science & Bioinformatics, Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India
[illegible]; [illegible]

Abstract

Assam which is an integral part of the North East India, well recognized for its tribal ethnicity. Several tribal communities reside in Assam and also in other parts of North East India. The major ethnic groups and tribes are Ahom, Bodo, Mishing, Karbi, Rabha etc. Among various practices that are followed by the tribes, the preparation of traditional rice beer is considered as a spiritual practice and plays an important role in their socio-economic development. Although rice is the primary ingredient used in the preparation of the rice beer, the method of preparation, the herbal components used during the preparation process vary among the various tribes. These traditional rice beers that are prepared are reported to be possessed with diverse medicinal properties and therapeutic values and hence, are considered as nutraceuticals. Owing to the uniqueness in their preparation, the type of herbal components present and the subtle differences that lie among the methods of preparation, traditional rice beer brewing techniques have gained scientific attention. This review article focuses on documentation of the differential


Journal of Critical Reviews
HOME ABOUT JOURNAL EDITORIAL BOARD INSTRUCTIONS FOR AUTHORS ARCHIVE CONTACT
Journal of Critical Reviews
TOURIST SAFETY AND REVISIT INTENTION OF TOURIST VISITING ANDHRA PRADESH (2020)
Abstract
Description
Submit Article
Current Issue
Archive
Aims and Scope
Most Accessed Articles
Most Downloaded Articles


PubMed
Search
Analysis of drug resistance mutations in pulmonary Mycobacterium tuberculosis isolates in the Southern coastal region of Andhra Pradesh, India
Affiliations
Abstract

Restaurant Business

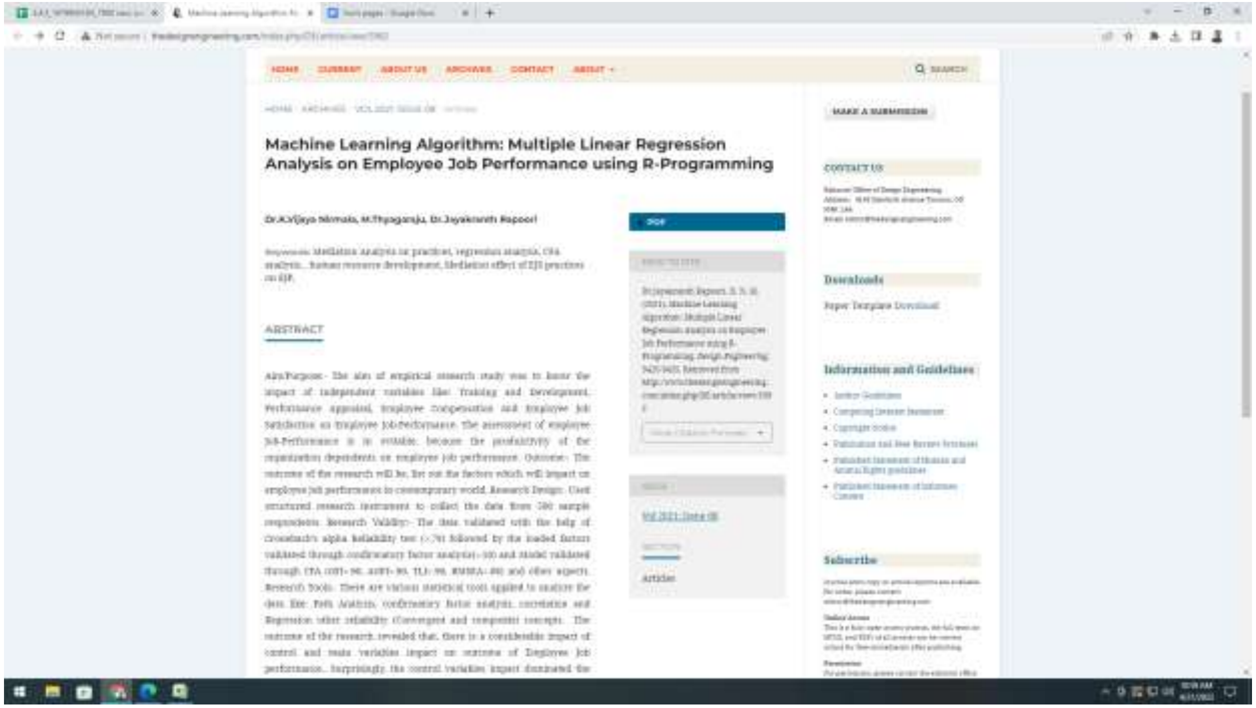
Tourist Perception: Risk, Anxiety, Safety and Revisit Intention with Reference To Destination's in Andhra Pradesh

Dr Kota Neela Mani Kanta
Asst professor,
Department of Tourism Management,
Vikrama Simhapuri University, Nellore,
Andhra Pradesh
Email: kotaneeli2003@yahoo.co.in,
Ph:09848071295.

Dr. P Selvalli
Associate Professor,
Dept of Management Studies,
S. Chevaan Institute of Computer Application,
Nellore
Email. kotaselvalli87@gmail.com
Ph: 08885292244

Abstract

Introduction: *The study is sought to understand the perception of tourist visiting to various destination in Andhra Pradesh. Andhra Pradesh is chosen because it has faced many ups and downs during its bifurcation, there was huge revenue loss to the residual Andhra Pradesh. It has also affected the functioning of various industries in the state including Tourism sector which was affected more. Hence the present study is sought to understand the perceptions of tourist*


HOME
CURRENT
ABOUT US
ARCHIVES
CONTACT
ABOUT
Machine Learning Algorithm: Multiple Linear Regression Analysis on Employee Job Performance using R-Programming
ABSTRACT

DESIGN ENGINEERING

Register Login

HOME CURRENT ABOUT US ARCHIVES CONTACT ABOUT

SEARCH

MAKE A SUBMISSION

The Mediating Role of Career Planning and Development-Human Resource Development Practices between Training and Development-Performance Appraisal-Employee Compensation and Quality of Work Life

Dr.K.V[aya Nirmala, M.Thyagaraju, Dr.Jayakrsnth Rapoori

Keywords: Quality of work life, work life of employees, human resource development practices etc.

ABSTRACT

Aim/Purpose - The aim of the exploratory research study was to know the impact of various factors like: training & development, Career Planning and Development, Performance Appraisal, Employee Compensation on the Quality of work life of employees. Even more to know about the mediating role of career planning and development and human resource development practices on quality of work life. Outcome: The outcome of the research will be, to know the impact of various factors and its contribution towards the quality of work life. Research Methodology/Design:- The researcher has taken 300 sample size to assess the factors which contribute the quality of work life. **Research Tools**:- The researcher applied both descriptive and inferential statistics to examine the data in all dimensions. Novelty/Innovativeness: The designed quality of work life model is new with respect to factors of assessment of quality

PDF

Downloads

Paper Template Download

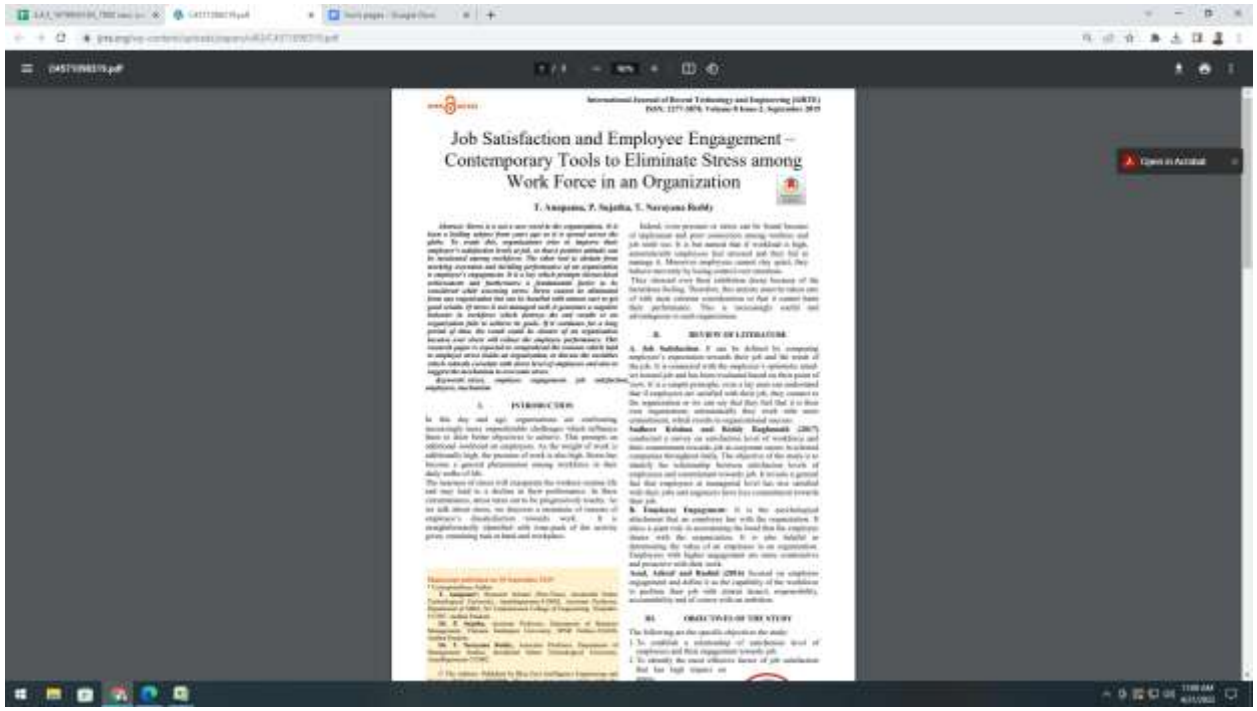
Information and Guidelines

- Author Guidelines
- Copyright Notice
- Publication and Peer Review Processes
- Publication Agreement of Plagiarism and Intellectual Property guidelines
- Publication Agreement of Submitted Contents

Subscribe


Home
Editorial Board
Journal Topics
Archives
About the journal
Submissions
Privacy Statement
Contact
Search
Marketing Strategies for Promoting Medical Tourism in Andhra Pradesh
Shaik.Abdhulla, Dr.M.Thyagaraju
Abstract
It is evident that, the medical treatment cost in developing countries is lower from 30% to 70%. That could be the one of the most reason why people are going for health tourism. The second cause could be the non-availability of medical treatment and surgeries in the home country. Medical tourism can be defined as the cost effective, private medical care in the host country. As per the WHO (World health organization), tourism associated with travellers physical well-being through travelling from one country to another country in the process physical exercise therapy, diet control, medical treatment, site seeing and health maintenance. In the globalization process, people can move from one continent to another for better medical and surgery at a reasonable price. In the developing world, India plays a significant role in the context of medical tourism where high cost surgery and non-surgery treatment will be available at low cost. Every year in India, the medical tourism is increasing at 30% and contributing significant portion to GDP. It is happening, because of low cost treatment of major health issues. The victor of Indian medical tourism is, in India the US, JAPAN, FRANCE and CANADA based stuff available as efficiency can be expected in major health issues of foreign tourists in India. The present study is all about, the reasons for choosing India for medical tourism/health tourism.
Results: The outcome of the research shows that, the cost of major surgery and non surgery cost is low in India followed by combining relaxing holiday spots, less waiting time and well treatment.
PDF
Articles
ELSEVIER
Indexed by
Scopus
Subscription
Login to access subscriber only


International Journal of Advanced Science and Technology
Measuring the factors affecting on work life balance with references to tour and travel agency in Emerging Andhra Pradesh
Abstract
ELSEVIER
Scopus



International Journal of Recent Technology and Engineering (IJRTE)
ISSN: 2277-3878, Volume-8 Issue-2, September 2019

Job Satisfaction and Employee Engagement – Contemporary Tools to Eliminate Stress among Work Force in an Organization

T. Anupama, P. Sujatha, T. Narayana Reddy

Abstract: Stress is a not a new word in the organization. It is been a feeling subject from years ago as it is spread across the globe. To avoid this, organizations relay to improve their employee's satisfaction levels at job, so that a positive attitude can be maintained among workforce. The other tool to eliminate from working environment and thereby performances of an organization is employee's engagement. It is a key which prompts thirst about achievements and furthermore, a prominent factor to be considered while assessing stress. Stress cannot be eliminated from any organization but can be handled with utmost care to get good results. If stress is not managed well it generates a negative behavior in workplace which destroys the total wealth of an organization fails to achieve its goals. If it continues for a long period of time, the result could be closure of an organization because your choice will reduce the employee performance. The research paper is expected to comprehend the reasons which lead to employee stress inside an organization, or else use the variables which naturally correlate with stress level of employees and aim to suggest the mechanism to overcome stress.

Keywords: stress, employee engagement, job satisfaction, employees, mechanism

I. INTRODUCTION

In this day and age, organizations are confronting increasingly more unpredictable challenges which influence them to their better objectives to achieve. This prompts an additional workload on employees. As the weight of work is additionally high, the pressure of work is also high. Stress has become a general phenomenon among workforce in their daily walks of life.

The increase of stress will exasperate the workers routine life and may lead to a decline in their performance. In these circumstances, stress turns out to be progressively touchy. As we talk about stress, we discover a mountain of reasons of employee's dissatisfaction towards work. It is straightforwardly identified with time-push of the activity given, remaining tasks at hand and workplace.

Indeed, even pressure or stress can be found because of exploitation and poor connection among workers and job could rise. It is but natural that if workload is high, unsustainable employees feel stressed and their feel to manage it. Moreover employees cannot stay quiet, they behave inversely by losing control over emotions.

They demand over their ambitions down because of the luxurious feeling. Therefore, this activity aspects to reduce one of with most extreme consideration so that it cannot harm their performance. This is increasingly useful and advantageous to each organizations.

II. REVIEW OF LITERATURE

A. Job Satisfaction: It can be defined by comparing employee's expectations towards their job and the extent of the job. It is connected with the employee's optimistic mindset towards job and has been evaluated based on their point of view. If it is a simple principle, even a lay man can understand that if employees are satisfied with their job, they connect to the organization or we can say that they feel that it is their own organization automatically they work with more commitment, which results to organizational success.

Sudheer Krishna and Reddy Raghunath (2017) conducted a survey on satisfaction level of workforce and their commitment towards job as corporate sector in selected companies throughout India. The objective of the study is to identify the relationship between satisfaction levels of employees and commitment towards job. It reveals a general fact that employees at managerial level has been satisfied with their jobs and organizers have less commitment towards their job.

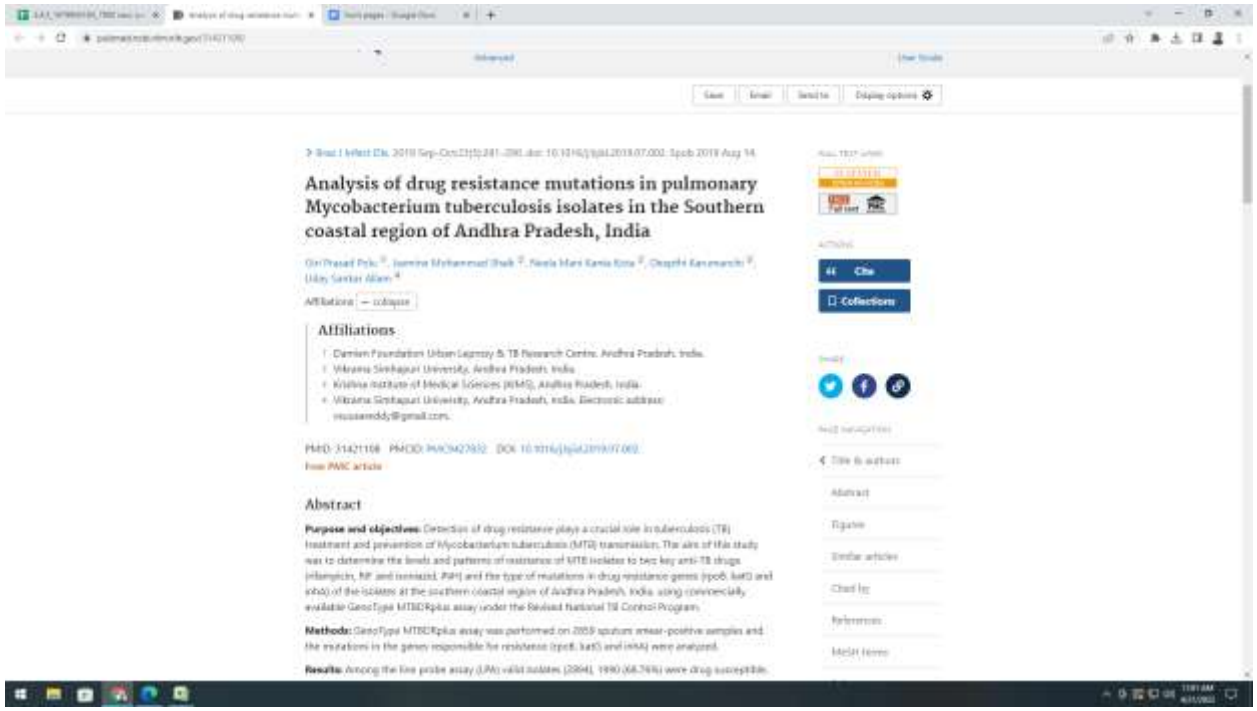
B. Employee Engagement: It is the psychological attachment that an employee has with the organization. It plays a giant role in accentuating the bond that the employee shares with the organization. It is also helpful in determining the value of an employee to an organization. Employees with higher engagement are more connected to and proactive with their work.

Azad, Ashraf and Rashid (2014) focused on employee engagement and define it as the capability of the workforce to perform their job with utmost branch, responsibility, accountability and of course with an ambition.

III. OBJECTIVES OF THE STUDY

The following are the specific objective in the study:

1. To establish a relationship of satisfaction level of employees and their engagement towards job.
2. To identify the most effective factor of job satisfaction that has high impact on



Analysis of drug resistance mutations in pulmonary Mycobacterium tuberculosis isolates in the Southern coastal region of Andhra Pradesh, India

Affiliations

Abstract

Purpose and objectives: Detection of drug resistance plays a crucial role in tuberculosis (TB) treatment and prevention of Mycobacterium tuberculosis (MTB) transmission. The aim of this study was to determine the levels and patterns of resistance of MTB isolates to two key anti-TB drugs (rifampicin, RIF and isoniazid, INH) and the type of mutations in drug resistance genes (*rpoB*, *katG* and *inhA*) of the isolates at the southern coastal region of Andhra Pradesh, India, using commercially available GenoType MTBDRplus assay under the Revised National TB Control Program.

Methods: GenoType MTBDRplus assay was performed on 2059 sputum smear-positive samples and the mutations in the genes responsible for resistance (*rpoB*, *katG* and *inhA*) were analyzed.

Results: Among the line probe assay (LPA) valid isolates (2864), 1990 (68.76%) were drug susceptible.

COMMERCE

Asi Ans Research Journal ISSN NO: 0000-0000

PERFORMANCE EVALUATION OF ANDHRA PRAGATHI GRAMEENA BANK IN ANDHRA PRADESH: A CASE STUDY ON NELLORE DISTRICT

[1]Nadakuppi Udaykiran, [2] Chilkamari Srinivasa Rao

[1]Full time Research scholar, [2]Professor

[1, 2] Dept. of Commerce, Vikrama Simhapuri university P.G Centre, Kavali, Andhra Pradesh

ABSTRACT:

The RRBs were established to develop the agricultural economy by providing low-priced banking facilities to the poor, significantly for the want of agriculture, trade, commerce, industry, and different productive activities within the rural areas. With a goal in providing credit and different facilities to the RRBs to little and marginal farmers, agricultural laborers, petty traders or little business entrepreneurs, rural artisans, and for the matters connected thereupon and incidental to that. Role of Indian Regional Rural banks within the priority sector deposition is additional vital the 30,000 growth of the Indian economy lies within the returns of rural lots from the economic condition, state, and another socio-economic motivation. Keeping that finish in sight, Regional Rural Banks were established by the govt. of Bharat to develop the agricultural economy.

Andhra Pragathi Grameena Bank has been specifically chosen unfortunately as an increasing connection in delivery concerning rural development to one in all the foremost rated districts within the country through the funding of the agricultural poor and additionally on account of the dearth of analytic studies within the district, significantly within the field of rural finance. The scope of the study chiefly confined to the agricultural development programs supported by regional rural banks, that square measure aimed toward the upliftment of the poorest among the poor. further, the examination of the impact of the agricultural development programs on employment, income, assist position, and therefore the communities of living of the beneficiaries are listed.

The study is proscribed to the Nellore district within the state of the province because it wouldn't mirror the options of development in different regions of the country. However, the study might indicate sure broad options of rural development within the country In this section the performance of APGB was evaluated according to the reports belongs to 5 year financial reports of 10 selected major Divisions in study Area Nellore district.

Keywords: Regional Rural Banks, APGB Revenue Divisions, Nellore district.

Asi Aut Research Journal ISSN NO: 0005-0601

STATUS OF HEALTH INSURANCE SCHEMES IN INDIA

[1]Malli Shekeela [2]Ghanasri Srinivasa Rao

[1]Research Scholar, [2]Professor
[1,2]Dept. of Commerce, Viksana Siddhanti University P.G Centre, Kavali, Andhra Pradesh, India

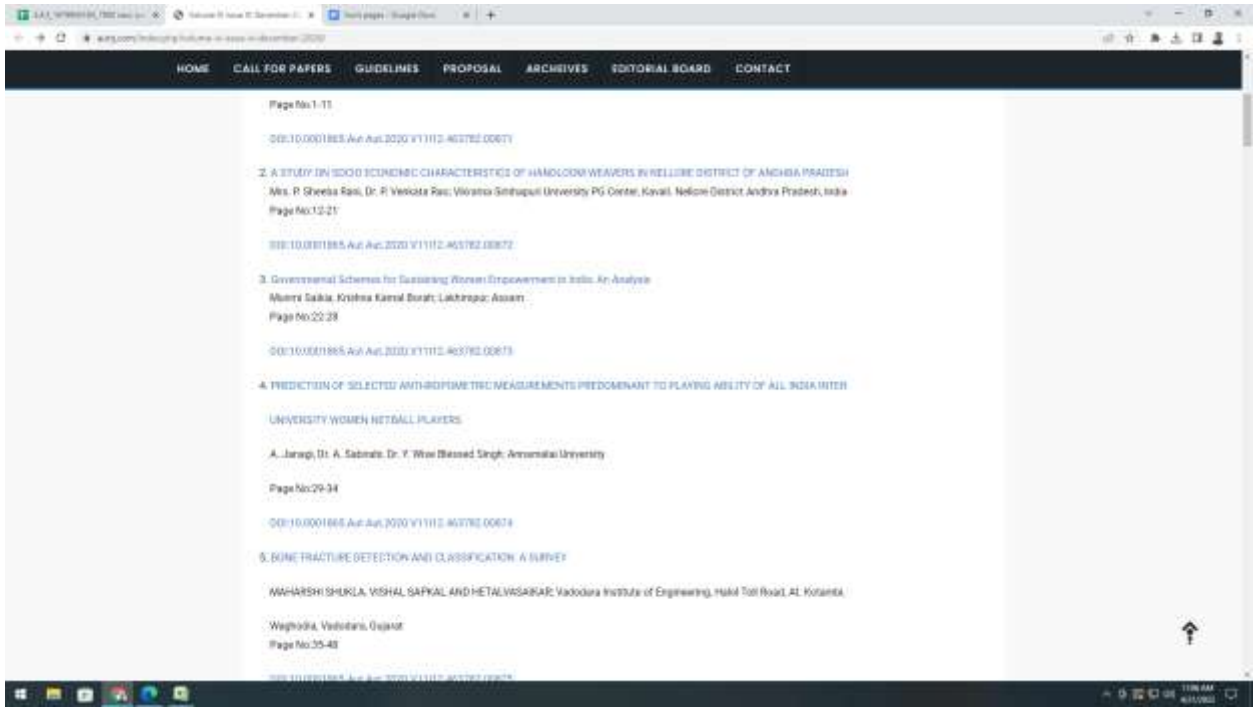
ABSTRACT

Now a day every person is aware of the fact that number of illnesses are increasing day by day. Health care costs are increasing every year. Sickness, lifestyle and stress at work negatively affect the health and can result in a critical illness or medical emergency. Such a scenario is sure to adversely affect one financially, due to the massive outlay of money on medical expenditure. A health insurance policy is the only way to mitigate the financial risks, apart from leading a healthy lifestyle. Health insurance often includes cashless facility at empanelled hospitals, pre and post hospitalization expenses, ambulance charges, daily cash allowance etc. It is evident that a wide variety of arrangements are described under the umbrella of private insurance and that the boundaries between public insurance and private insurance are becoming increasingly blurred.

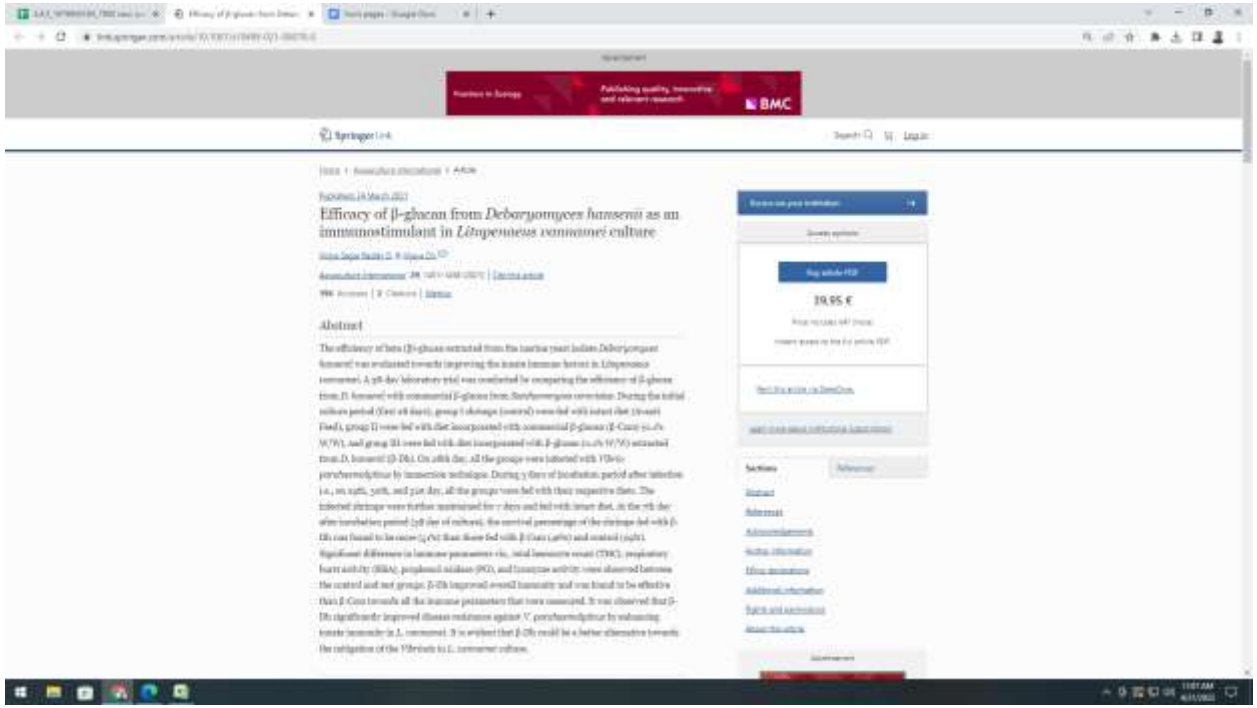
The Health Insurance Schemes available in India Classified into Voluntary health insurance schemes or private/for-profit schemes, Mandatory health insurance schemes or government sponsored schemes (namely ESIS, CGHS), Insurance offered by NGOs or Community based health insurance and Employer based schemes. In India have 41,056 private hospitals, 1.9 million beds and 39,202 ICUs, 29,931 ventilators. There are 23,778 public hospitals, 713,988 beds, 22,500(23) and 17,109 ventilators. Total private infrastructures are nearly 3(per cent) of India's entire health infrastructure. Availability of sufficient numbers of providers of health insurance schemes in any country is important. In India, on analysing the classification of health insurance schemes on the basis of ownership and control, it can be shown that there are sufficient numbers of providers and low to form different classes of the country. The main object of this paper is to assess performance of the health insurance in India. Based on secondary data, from IRDA annual reports, related books and articles analysis. this paper was prepared and concluded with findings and conclusion.

Key words: *ESIS, CGHS, Ayushman Bharat, PM-JAY, Micro Health Insurance, NGOs*

Asi Aut Research Journal ISSN NO: 0005-0601


HOME
CALL FOR PAPERS
GUIDELINES
PROPOSAL
ARCHIVES
EDITORIAL BOARD
CONTACT
Page No:1-11
DOI:10.0001865.Avi Aut.2020.V11I12.463782.00671
2. A STUDY ON SOCIO ECONOMIC CHARACTERISTICS OF HANDLOOM WEAVERS IN NELLORE DISTRICT OF ANDHRA PRADESH
Mrs. P. Sheela Rani, Dr. P. Venkata Rao; Viksmha Simhapuri University PG Center, Kavali, Nellore District Andhra Pradesh, India
Page No:12-21
DOI:10.0001865.Avi Aut.2020.V11I12.463782.00672
3. Governmental Schemes for Sustaining Women Empowerment in India: An Analysis
Munmi Saikia, Krishna Kamal Borah; Lakhimpur, Assam
Page No:22-28
DOI:10.0001865.Avi Aut.2020.V11I12.463782.00673
4. PREDICTION OF SELECTED ANTHROPOMETRIC MEASUREMENTS PREDOMINANT TO PLAYING ABILITY OF ALL INDIA INTER
UNIVERSITY WOMEN NETBALL PLAYERS
A. Janagi, Dr. A. Sabinala, Dr. Y. Wise Blessed Singh; Annamalai University
Page No:29-34
DOI:10.0001865.Avi Aut.2020.V11I12.463782.00674
5. BONE FRACTURE DETECTION AND CLASSIFICATION: A SURVEY
MAHARSHI SHUKLA, VISHAL SAPKAL AND HETALWISAIKAR; Vadodara Institute of Engineering, Halol Toll Road, At. Kotamba
Waghodia, Vadodara, Gujarat
Page No:35-48

MARINE BIOLOGY




Asian Journal of Biological and Life sciences
An Open Access, Peer-Reviewed Journal
In the field of Biology and Life Sciences
Click to Submit Article
Home
Browse Issues
About Journal
For Authors
Contact Us
A Method of Preservation of Marine Fungi in Sterile Marine Water
Asian Journal of Biological and Life Sciences, 2020, 9, 1, 99-102.
DOI: 10.5530/ajbls.2020.9.15
Published: May 2020
Type: Research Article
Author(s) affiliations
Gundarapu Vidya Sagar Reddy[1], Chalamcherla Vijaya[2]*
[1]Department of Biotechnology, Vikrama Simhapuri University, Nellore andhra Pradesh, INDIA.
[2]Department of Marine Biology, Vikrama Simhapuri University, Nellore andhra Pradesh, INDIA.
Abstract:
Preservation of fungi is an essential practice of any mycologist. A method of preservation of marine fungi in sterile marine water was evaluated using 15 marine isolates. The marine fungi were isolated using malt extract Agar (MEA) medium at different regions of Nellore coast of andhra Pradesh, India. The fungal strains were preserved in 120/30 sterile marine water. The preserved strains were subjected to recovery by sub culturing in MEA medium during 5 consecutive years (2015 to 2019). During all the years there was 100% recovery of the preserved fungi and moreover they were found to be morphologically identical to the original isolates.
LATEST
POPULAR
ARCHIVE
Study on a Few Traditional Fermented Food Practices of Mising Community of Dhemaji District, Upper Assam, India
Effect of Imidacloprid and Chlorpyrifos Toxicity on Earthworm Amynthas alexandri Under Laboratory Conditions
Seasonal Variation in the Fatty Acid Composition and Antioxidant Content of Three Air Breathing Fishes of Loktak Lake of Manipur, India
Fatty Acids Profile of Three Different Regions of Fresh and Ice-packed Pangasius pangasius (Hamilton, 1822)

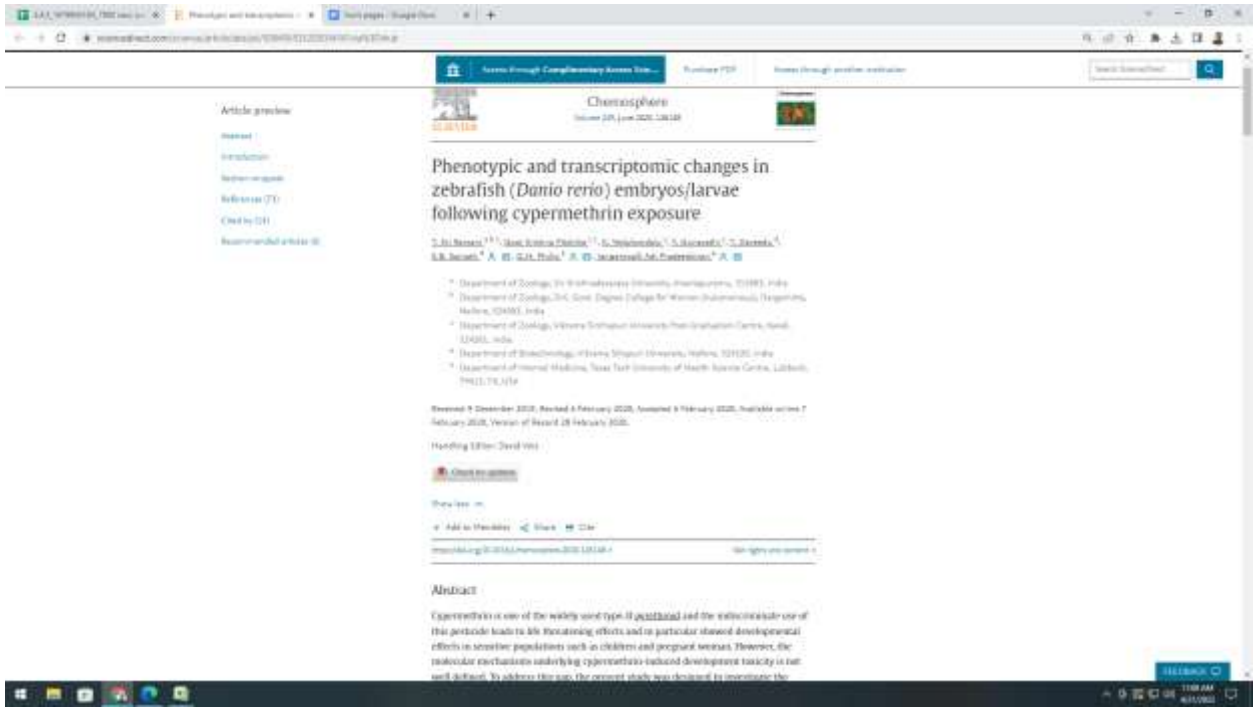
Bioaccumulation of heavy metal lead (Pb) in different tissues of brackish water fish *Mugil cephalus* (Linnaeus, 1758)

Vivek Venkateswarlu*, Cheryl Venkateswarlu

ARTICLE INFO

ABSTRACT

1. INTRODUCTION

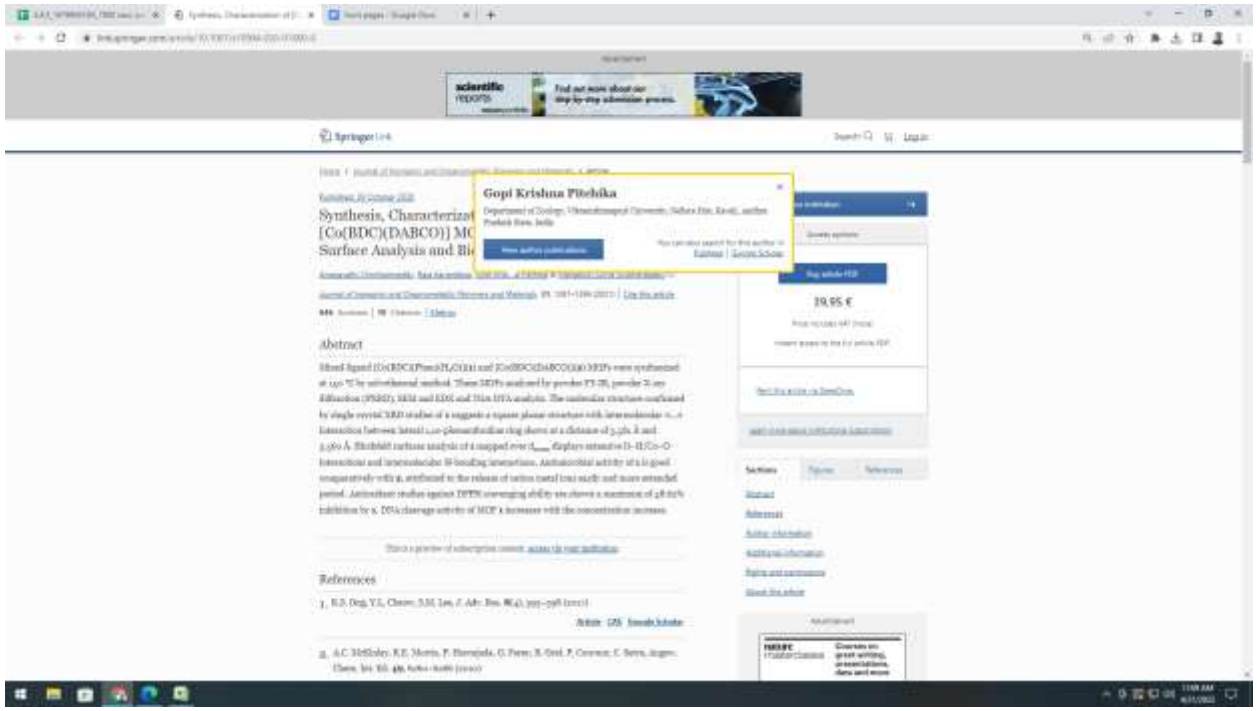


Article preview

Chemosphere

Phenotypic and transcriptomic changes in zebrafish (*Danio rerio*) embryos/larvae following cypermethrin exposure

Abstract

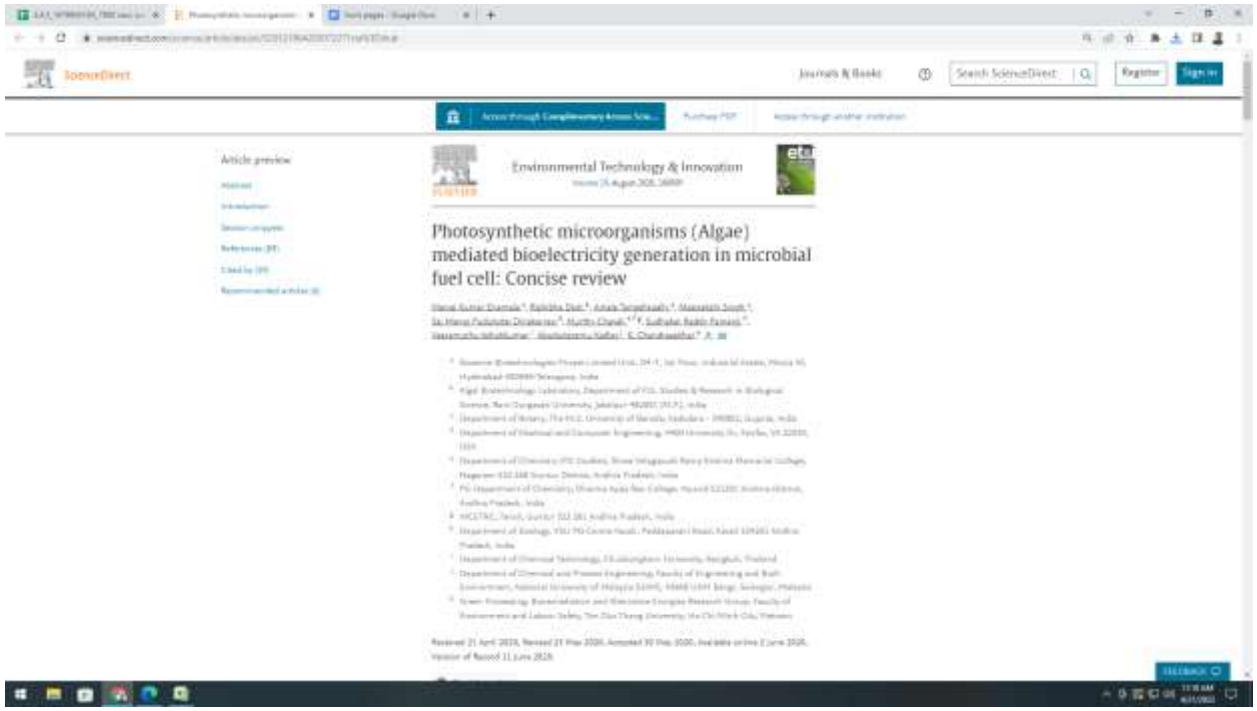

Gopi Krishna Pitchika
Abstract
References
19.95 €

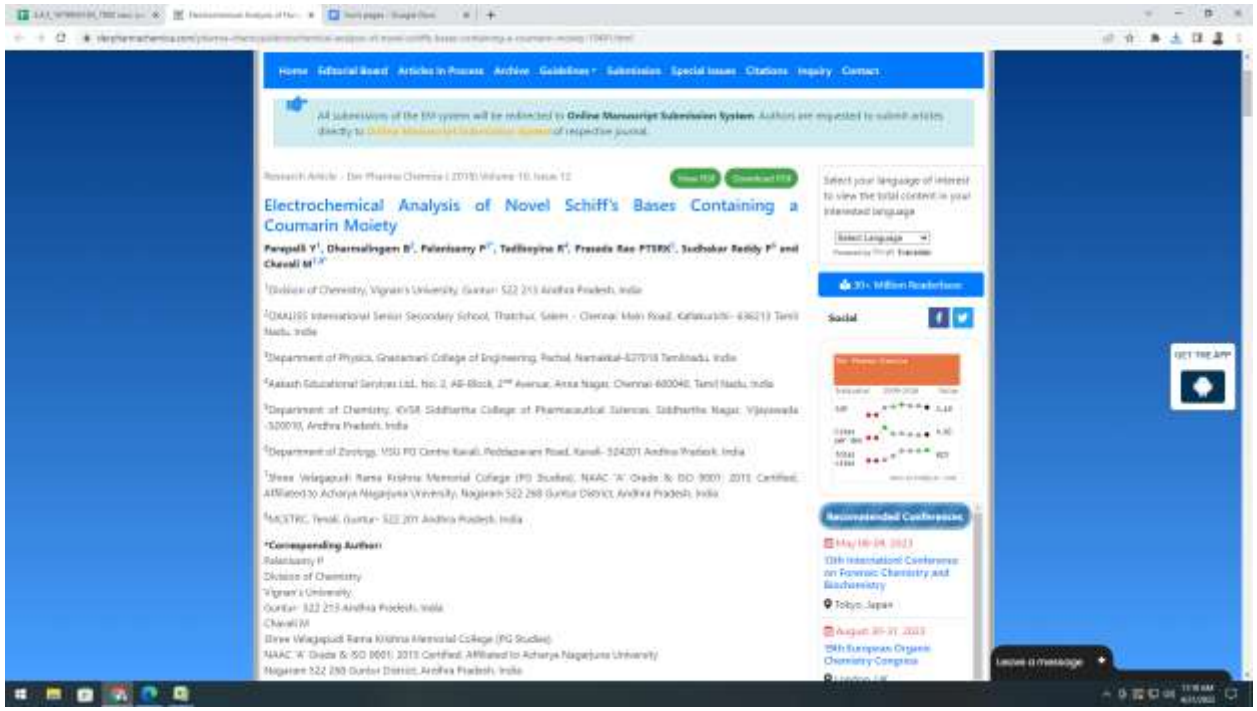
Original Research

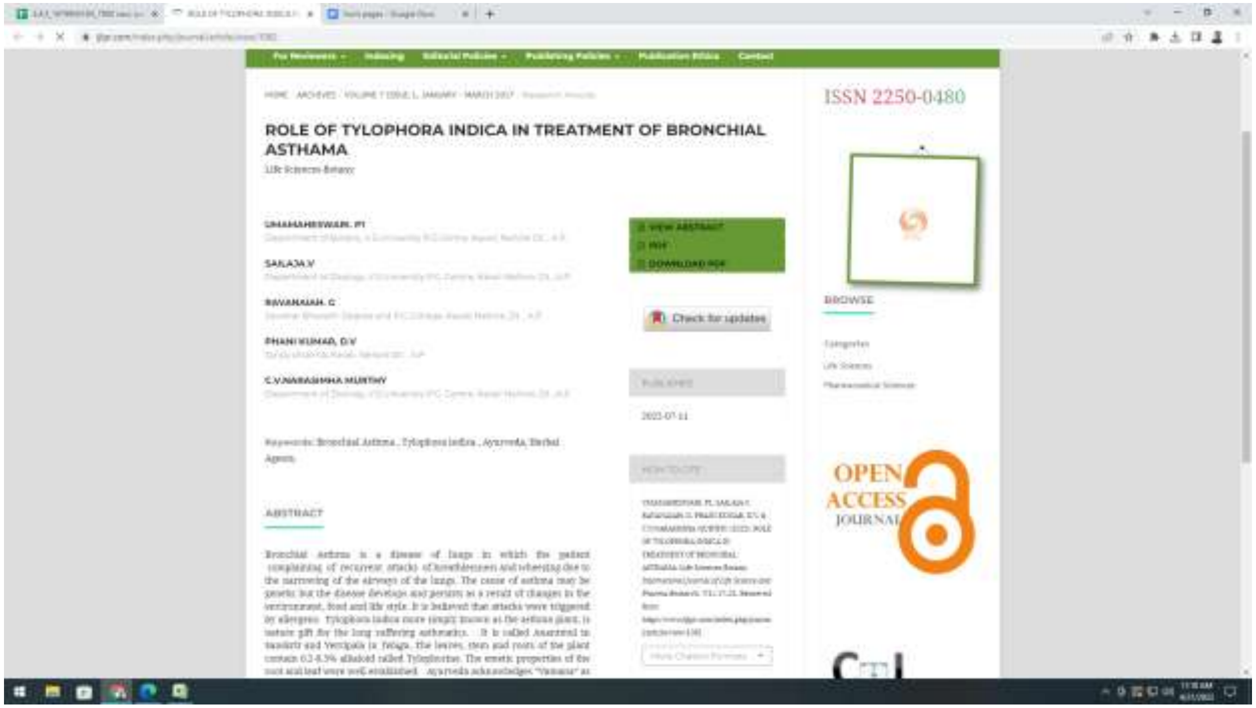
Journal of Environmental Biology

JEB

Effect of cypermethrin on reproductive efficacy in zebrafish (*Danio rerio*): *In-vivo* and *in-silico* studies


ScienceDirect
Journals & Books
Search ScienceDirect
Register
Sign in
Article preview
Environmental Technology & Innovation
Photosynthetic microorganisms (Algae) mediated bioelectricity generation in microbial fuel cell: Concise review


Home Editorial Board Articles in Process Archive Guidelines Submission Special Issues Citations Inquiry Contact
All submissions of the EM system will be redirected to Online Manuscript Submission System. Authors are requested to submit articles directly to Online Manuscript Submission System of respective journal.
Research Article - Der Pharma Chemica (2019) Volume 10, Issue 12
View PDF
Download PDF
Electrochemical Analysis of Novel Schiff's Bases Containing a Coumarin Moiety
Perapalli Y[1], Dharmalingam B[2], Palanisamy P[3*], Tadikonda R[4], Prasada Rao PTSRK[5], Sudhakar Reddy P[6] and Chavali M[1,7*]
[1]Division of Chemistry, Vignan's University, Guntur- 522 213 Andhra Pradesh, India
[2]DMLISS International Senior Secondary School, Thatchur, Salem - Chennai Main Road, Kallakurichi- 606213 Tamil Nadu, India
[3]Department of Physics, Gnanamani College of Engineering, Pachal, Namakkal-637018 Tamilnadu, India
[4]Aakash Educational Services Ltd., No. 2, AB-Block, 2nd Avenue, Anna Nagar, Chennai 600040, Tamil Nadu, India
[5]Department of Chemistry, KVSR Siddhartha College of Pharmaceutical Sciences, Siddhartha Nagar, Vijayawada -520010, Andhra Pradesh, India
[6]Department of Zoology, VSU PG Centre Kavali, Peddapavani Road, Kavali- 524201 Andhra Pradesh, India
[7]Shree Velagapudi Rama Krishna Memorial College (PG Studies), NAAC 'A' Grade & ISO 9001: 2015 Certified, Affiliated to Acharya Nagarjuna University, Nagaram 522 268 Guntur District, Andhra Pradesh, India
[8]MCETRC, Tenali, Guntur- 522 201 Andhra Pradesh, India
*Corresponding Author:
Palanisamy P
Division of Chemistry
Vignan's University
Guntur- 522 213 Andhra Pradesh, India
Chavali M
Shree Velagapudi Rama Krishna Memorial College (PG Studies)
NAAC 'A' Grade & ISO 9001: 2015 Certified, Affiliated to Acharya Nagarjuna University
Nagaram 522 268 Guntur District, Andhra Pradesh, India
Select your language of interest to view the total content in your interested language
Select Language
30+ Million Readerbase
Social
GET THE APP
Recommended Conferences
May 08-09, 2023
10th International Conference on Forensic Chemistry and Biochemistry
Tokyo, Japan
August 30-31, 2023
15th European Organic Chemistry Congress
Leave a message


ROLE OF TYLOPHORA INDICA IN TREATMENT OF BRONCHIAL ASTHAMA
ISSN 2250-0480
SAILAJA.V
C.V.NARASIMHA MURTHY
Check for updates
BROWSE
ABSTRACT
OPEN
ACCESS
JOURNAL