

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

S. No	Author/Title/Vol/Journal/Year	Link/DOI	Scopus/SCIE/UGC	IF
2022-23				
1.	P. Archana Rao, Suggala V Satyanarayana, "Improvement in photocatalytic activity of titanium dioxide nanoparticles through doping and calcination for textile wastewater treatment under visible light", <i>Material Science Proceedings</i> 57(4), 2022, pp: 1918-1923	http://dx.doi.org/10.1016/j.matpr.2022.02.209	SCIE	2.59
2.	Pinaki Dey, Dibyajyoti Haldar; Vivek Rangarajan; Venkata Satyanarayana Suggala; Gladys Saji; Kevin Joseph Dilip, "Paradigm shift from conventional processes to advanced membrane adsorption-mediated inactivation processes towards holistic management of virus - a critical review", <i>J. Env. Chem. Engg</i> 10(6)2022,	https://doi.org/10.1016/j.jece.2022.108568	Scopus	7.4
3.	Nizamuddin Mohammad yadiki, Suggala Satyanarayana. "Screening for the effect of temperature and exposure time on Opuntia Ficus-indica and Opuntia dillenii cladode extraction on percent yield using design expert software", <i>Research Journal of Agricultural Sciences</i> , 2022, 13 (3), 692–696	http://rjas.org/ViewIssue?IssueId=81	Scopus	3.456
4.	Yadiki Mohammad Nizamuddin, Venkata Satyanarayana Suggala and Puchalapalli Dinesh Sankar Reddy (2022). Plant chemical analysis and antioxidant commotion of lactobacillus contrived hydroethanolic extracts of Opuntia dillenii Haw. Ann. Phytomed., 11(2):500-506	http://dx.doi.org/10.54085/ap.2022.11.2.61	Scopus	1.7
5.	Mohammad Nizamuddin Yadiki, Venkata Satyanarayana Suggala, Dinesh Shankar Reddy Puchalapalli. Temperature and exposure time impact on the extraction of Opuntia Ficus-indica and Opuntia dillenii cladodes on percent yield as a response: Screening using design expert software. <i>Global Journal of Medical, Pharmaceutical, and Biomedical Update</i> , 2022, 17(17), 1-8.	http://dx.doi.org/10.25259/GJMPBU_55_2022	SCOPUS	0.4
6.	Nizam Yadiki, Venkata Satyanarayana Suggala, Dinesh Shankar Reddy Puchalapalli. Comparing the content of hydro ethanolic Opuntia ficus indica cladode extracts following lactobacillus treatment using quantitative phytochemical screening. <i>NeuroQuantology</i> , 2022, 20(19), 989-997	10.48047/nq.2022.20.19.NQ99090	SCOPUS	0.453

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

7.	Anupam Kanti Bag, Chakka Gopinath, Suggala V Satyanarayana. Extract of Ipomea nil ameliorates hyperglycemia, oxidative stress and improves β -cell function in streptozotocin induced diabetic rats. <i>Asian Journal of Organic & Medicinal Chemistry</i> , 2022, 7(1), 1893-1908.		UGC CARE Q2	1.2
8.	Anupam Kanti Bag, Chakka Gopinath, Suggala V Satyanarayana. Oral toxicity studies of the hydroalcoholic extract of Ipomea nil. in rodents. <i>Bulletin of Environment, Pharmacology and Life Sciences</i> , 2022, 11(4) (Accepted)		UGC CARE Q2	0.971
9.	Jadav Subhash, P. Dwarakanadha Reddy, S. V. Satyanarayana, Development and Evaluation of Gastro Retentive Floating Tablets of Loratadine, <i>International Journal of Biology, Pharmacy and Allied Sciences</i> .11(1), 2022, 405-417	https://doi.org/10.31032/IJBPAS/2022/11.1.6410	UGC CARE Q4	0.812
10.	Archana Rao P, Satyanarayana S.V., TiO ₂ Nanoparticles as Biofunctional adsorbent/photocatalyst for degradation of effluent from local dairy in Telangana, <i>YMER</i> , 21 (7), 2022, 1308-1317	https://ymerdigital.com/uploads/YMER2107G8.pdf	UGC CARE Q4	1.812
11.	Ramisetty Sunitha, Kothakota Venugopal, Suggala Venkata Satyanarayana In vivo Evaluation of Gliclazide Solid Dispersions Incorporated Tablets for Controlled Drug Release, <i>International Journal of Pharmaceutical sciences and Research</i> 13(5) 2022, 2204-2210, E-ISSN:0975-8232	10.13040/IJPSR.0975-8232.13(5).2204-10	UGC CARE Q4	0.5
12.	Jadav Subhash, P.Dwarakanadha Reddy, S.V.Satyanarayana, Preparation and Evaluation of Gastro Retentive Floating Tablets of Felodipine, <i>Indian Journal of Natural Sciences</i> . 13(75), 2022, 50416-50423.	https://www.tnsroindia.org.in/JOURNAL/issue75/ISSUE%2075%20DECEMBER%202022%20-%20FRONT%20PAGE%20PART%2001.pdf	Scopus	4.34
13.	D. Mrudula ,G . Narasimha, Suggala. V. Satyanarayana, Assessment OfPhysico-Chemical And Biological Characteristics Of Soil Contaminated WithKalamkariDye Effluents, <i>NeuroQuantology</i> October 2022 Volume 20 Issue 14 Page 550-u	10.4704/nq.2022.20.14. NQ88077.	Non-SCI	1.1
14.	Dandi. Mrudula, Suggala. V. Satyanarayana, B. Dilip Kumar, Bioremediation of Kalamkari Dye using Novel Bacterium Bacillus Inaquosorum Isolated from Textile Contaminated Waste Soil of Srikalahasti , A. P, <i>The Journal of Solid Waste Technology and Management</i> , ISSN 1088-1697	https://doi.org/10.5276/jswtm/iswmaw/503/2024.592	Non-SCI	0.8
15.	Riyazunnisa, Kanala Somasekhar Reddy, Suggala V Satyanarayana,	10.48047/nq.2022.20.16. NQ880431.	Non-SCI	1.1

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

	Nephroprotective Efficacy of Pedalium Murexin Gentamicin, Paracetamol and Cisplatin Induced Nephrotoxicity in Wistar Rats, NeuroQuantology 20(15) 2022, 4222-4234,			
16.	Madhu Medabalami, K Saravanakumar, S.V. Satyanarayana, UPLC Method Development And Validation ForThe Simultaneous Estimation Of Cytarabine And Daunorubicin In Pharmaceutical Dosage Form, Journal Pharmacuetical Negative Results, 13(7) 2022 7816-7825	10.47750/pnr.2022.13.S07.948	Non-SCI	5.1
17.	Katuri, Peddintaiah, Maralla, Yadagiri, S., Sharada and Tumma, Bala Narsaiah. "Production of performic acid through a capillary microreactor by heterogeneous catalyst" <i>International Journal of Chemical Reactor Engineering</i> , vol. 21, no. 1, 2023, pp. 1-9.	https://doi.org/10.1515/ijcre-2022-0020	Scopus	1.6
18.	Katuri, P., Maralla, Y., Sharada, S., &Tumma, B. N. (2023). Synthesis of perbutyric acid with amberlyst catalyst in a continuous microreactor. Materials Today: Proceedings, 72, 126-133.	https://doi.org/10.1016/j.matpr.2022.06.202	Scopus	24.2
19.	Ramavathu, Lakshmana Naik, Bala Narsaiah Tumma, and Ponniah Justin. "Photocatalytic degradation studies of malachite green dye by hydrothermally synthesized Cobalt Vanadate nanoparticles." <i>International Journal of Nano Dimension</i> 14, no. 2 (2023): 145-156.	10.22034/ijnd.2022.1965246.2172	Scopus	1.2
20.	B. Shiva Durga Prasad , G. Gopal , P. Omkar , P. Prarthana , B. Geetha, B. JagguNaik , G. Vani , T. Bala Narsaiah, "Studies on Removal of Coomassie Brilliant Blue R250(CBB) dye Using lignin as Adsorbent", Journal of Thin Films Coating Science Technology and Application, Volume 9, Issue 3, 2022, ISSN: 2455-3344, DOI (Journal): 10.37591/JoTCSTA	https://engineeringjournals.stmjournals.in/index.php/JoTCSTA/article/view/6861	Non-SCI	5.641
21.	A.Karthik Chandan, G.Neha Mallika, T.Bala Narsaiah "A green approach to arsenic removal using ZnO nanoparticles synthesized from Acacia Catechu leaf extract",Materials Today: Proceedings, Volume 72, Part 1, 2023, Pages 110-119, https://doi.org/10.1016/j.matpr.2022.06.199	https://doi.org/10.1016/j.matpr.2022.06.199	SCIE	3.1
22.	Peddintaiah Katuri , Yadagiri M, S.Sharada, Bala Narsaiah T "Synthesis of Perbutyric acid with amberlyst catalyst in a continuous Microreactor",	https://doi.org/10.1016/j.matpr.2022.06.202	SCIE	3.1

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

	Materials Today: Proceedings, Volume 72, Part 1, 2023, Pages 126-133			
23.	R.Lakshmana Naik, M.Rupeshkumar, T.Bala Narsaiah, "Removal of heavy metals (Cu & Ni) from waste water using rice husk and orange peel as adsorbents", Materials Today: Proceedings, Volume 72, Part 1, 2023, Pages 92-98,	https://doi.org/10.1016/j.matpr.2022.06.112	SCIE	3.1
24.	R.Lakshmana Naik, T.Bala Narsaiah "Hydrothermal synthesis and characterization of nanocrystalline Zinc vanadate (Zn ₂ V ₂ O ₇) on grapheme oxide scaffolds", Materials Today: Proceedings, August, Volume 72, Part 1, 2023, Pages 268-273	https://doi.org/10.1016/j.matpr.2022.07.266	SCIE	3.1
25.	R. Lakshmana Naik , T. Bala Narsaiah , P. Justin , A. Naveen Kumar , M.N. Somashekar , N. Raghavendra , C.R. Ravikumar Afaq Ahmad Khan , M.S. Santos "Hydrothermally synthesized cobalt vanadate nanoparticles for photocatalytic degradation of Fast Orange Red dye and super capacitor applications" R., Materials Science & Engineering B 298 (2023) 116861,	https://doi.org/10.1016/j.mseb.2023.116861	SCIE	3.9
26.	Snehasree Reddy Yekkaluri, Shireesha Konda, Divya Velpula , Rakesh Kumar Thida , Shilpa Chakra Chidurala, Bala Narsaiah Tumma, Navaneeth Reddy Nama , Rakesh Deshmukh, "Comparative analysis of ZnO nanoparticle's specific capacitance in supercapacitors: The role of surfactant and stabilizing agent" Applied Surface Science Advances,12(2022)100326	https://doi.org/10.1016/j.apsadv.2022.100326	Scopus	7.5
27.	Shivani Sutrave, Shireesha Konda , Divya Velpula, Sriram Ankith Volety, Sugunakar Reddy Ravula, Shilpa Chakra Chidurala, Bala Narsaiah Tumma "A simple solution combustion method for the synthesis of V ₂ O ₅ nanostructures for supercapacitor applications", Applied Surface Science Advances,12(2022)100331	https://doi.org/10.1016/j.apsadv.2022.100331	Scopus	7.5
28.	Lakshmana Naik Ramavathu* and Balanarsaiah Tumma "Synthesis and Characterization of Zinc Vanadate Nanostructures for Supercapacitor Applications", TRENDS IN SCIENCES 2022;19(17):576	https://doi.org/10.48048/tis.2022.5763	Scopus	1.2

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

29.	Peddintaiah Katuri , Yadagiri M, Sharada, Bala Narsaiah T “Production of Performic Acid through a Capillary Microreactor by heterogeneous catalyst” ,International Journal of Chemical Reactor Engineering, 2022	https://doi.org/10.1515/ijcre-2022-0020	Scopus	1.2
30.	Babu, R.M. Ray, Bala Narasaiah, T, Challa Suresh, “Optimisation of raw jack fruit fries and its physicochemical and sensory properties” Journal of Post- harvest Technology 2022, 10(3): 35-51	https://jpht.in/ManuscriptFile/044e26d0-8c18-4f38-ad22-5c9ee90866c8.pdf	UGC CARE-Q4	1.1
31.	Harshavardhana Krishna Kuruganti, V Ramasubbaiah, Jampu Sreenivasulu, and Dilip Kumar Behara, Dairy Waste Scum as a Potential Feed stock for Bio-Diesel Production: Optimization, Quality and Reliability Studies, <i>Indian Chem. Eng.</i> 1-13, 2022	10.1080/00194506.2022.2085193	Scopus	1.091
32.	Amarnath Reddy Rami Reddy, Dilip Kumar Behara, “Analytical Method Validation on Simultaneous Estimation of Ozenoxacin and Benzoic Acid in Pharmaceutical Formulations”, <i>Acta Chromatogr.</i> 35 (2023) 3, 278–285	10.1556/1326.2022.01064.	SCIE	2.164
33.	Kiran Kumar Reddy, Dilip Kumar Behara, “Moving towards high-energy rechargeable Mg batteries- Status and challenges”, <i>Int. J. Energy Res.</i> , 2022; 1–29.	10.1002/er.8647	SCIE	5.164
34.	Dasari Manjunath, Dilip Kumar Behara, Gopireddy Venkata Subba Reddy and Suggala Venkata Satyanarayana, Non Carcinogenic Risk Assessment of Fluoride: A Case Study on Distribution of Water Quality Parameters in Groundwater of Kurnool District, <i>Orient. J. Chem.</i> , Vol. 39(3), 783-791, 2023	10.13005/ojc/390331	Scopus	0.5
35.	Causality Assessment of Adverse drug reactions in a tertiary care hospital in Geriatric Patients: a prospective study, Journal of Xidian University, ISSN No: 1001-2400		Non-SCI	5.4
36.	Savanam Ravindra Reddy, S. Sharada, K. B Chandra Sekhar, A Clinical study of Drug Related Problems in Geriatric Patients At Tertiary Care Hospital, <i>Journal of Fisheries Sciences</i>	http://sifisheriessciences.com/index.php/journal/article/view/1927/1233	Non-SCI	0.19
37.	Assessment of drug related problems in geriatric patients of tertiary care hospital in southern India, VOLUME 9, ISSUE 9, 2022	https://doi.org/10.37896/sr9.9/015	Non-SCI	0

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

38.	Preliminary treatments of Brown top and effect on performance indices, physical and geometrical properties of grain, <i>Journal of Advanced Zoology</i>	https://doi.org/10.17762/jaz.v44iS4.2451	Non-SCI	0.1
39.	Impact of ingenious pre-treatment on performance indices and dimensional properties of kodo millet, <i>Journal of Advanced Zoology</i> , ISSN No: 0253-7214	https://doi.org/10.17762/jaz.v44iS4.2449	Non-SCI	0.1
40.	Synthesis of PBAT/CNT Bone Scaffold, <i>Journal of Advanced Zoology</i> , ISSN No: 0253-7214	https://doi.org/10.53555/jaz.v44iS2.2754	Non-SCI	0.1
41.	Evaluation of Surface Water Quality Using Water Quality Index(WQI) and GIS Tool of Ananthapur Location, <i>Journal of Advanced Zoology</i>	https://doi.org/10.17762/jaz.v44iS6.2157	Non-SCI	0.1
2023-24				
1	Haritha Vennapusa, Satyanarayana Suggala V, Somnath M, Bhaskar Rao Adari, B.V. Subbareddy, Chemoenzymatic reduction of double bonds from chalcones using <i>Daucus carota</i> roots, <i>Biocatalysis and Agricultural Biotechnology</i> 51 (2023) 102770	https://doi.org/10.1016/j.bcab.2023.102770	Scopus	3.4
2	Manjunath, B. Dilip Kumar, Suggala V Satyanarayana, G. V. Subbareddy, Non Carcinogenic Risk Assessment of Fluoride: A case Study on Distribution of water quality parameters in ground water of Kurnool District, <i>Oriental Journal of Chemistry</i>	http://dx.doi.org/10.13005/ojc/390331	SCIE	0.8
3	Sai Siddhartha Oleti, Suggala.V. Satyanarayana, Kanakaraju Pattaswamy, Role of Oxides of Iron on the Combustion of Composite Solid Propellants: A Review, <i>Asian Journal of Chemistry</i> , 35(12) (2023)	https://doi.org/10.14233/ajchem.2023.30320	UGC CARE Q2	3.5
4	Riyazunnisa, D., Reddy, K. S., & Satyanarayana, S. V. (2023). Ethanolic Extract From <i>Hygrophila Auriculata</i> (Schumacher) Heine Leaves Exhibited A Promising Protective Effect Against Drug-Induced Nephrotoxicity In Rodents. <i>J Pharm Negative</i> , 14(2), 614-621.	https://doi.org/10.47750/pnr.2023.14.02.76	UGC CARE Q2	5.1
5	Muthukumar, P., Ramesh, M. V., Babu, P. V., Rohinikumar, P., & Satyanarayana, S. V. (2023). Optimal integration of multiple D-SVCs for voltage stability enhancement in radial electrical distribution system using adaptive firefly algorithm. <i>International Journal of</i>	10.22266/ijies2023.0630.30	UGC CARE Q4	0.187

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

	<i>Intelligent Engineering and Systems</i> , 16(3), 378-387.			
6	"Synthesis of Copper and Cobalt Oxide Nanoparticles for Enhanced Supercapacitor Applications" D Vandana, Ch Maneesha, Lakshmana Naik Ramavathu and Bala Narsaiah Tumma, International Journal of Nano dimension- Accepted for publication	10.57647/j.ijnd.2024.1504.28	Scopus	1.2
7	Lakshmana Naik, T. Bala Narsaiah, "Hydrothermal synthesis and characterization of nanostructured nickel vanadate for supercapacitor and photocatalytic applications, Mater. Res. Express 10 (2023) 125009	https://doi.org/10.1088/2053-1591/ad184c	Scopus	1.8
8	Amarnath Reddy Rami Reddy, Dilip Kumar Behara, "Formulation and optimisation of Ozenoxacin topical nano-emulgel including a comprehensive methodology to qualify and validate the critical parameters of an in-vitro release test method and ex-vivo permeation test, <i>Drug Dev. Ind. Pharm.</i> , 50(4), 320-330., 2024	10.1080/03639045.2024.2327466	SCIE	3.4
9	Amarnath Reddy Rami Reddy, Dilip Kumar Behara, "QbD Based Formulation Development and Optimisation of Ozenoxacin Topical Nano-Emulgel and Efficacy Evaluation Using Impetigo Mice Model", <i>AAPS PharmSciTech</i> , 25(5), 90, 2024	10.1208/s12249-024-02805-x,	SCIE	3.3
10	Kiran Kumar Reddy, Dilip Kumar Behara, "Biomass carbon composites for hybrid supercapacitors: Current trends and future perspectives", <i>ACS Energy & Fuels</i> , 38, 12, 10560–10588, 2024	10.1021/acs.energyfuels.4c01159	SCIE	5.8
11	Firoz Shaik, B Dilip Kumar, K Subbarao, V K Bhanu Teja, A Comprehensive Review on Advancements in Solar Still Desalination, <i>JCHR</i> (2024) 14(2), 438-449 ISSN:2251-6727	10.52783/jchr.v14.i2.3433	Scopus	1.1
12	Aswani, P. Uma Maheswari, Sugali Chandra Sekar, M. Kalyan Kumar ⁴ Separation of Lithium Ions from Aqueous Solutions Using Membrane Aided Separation Techniques. <i>JCHR</i> (2024)	https://jchr.org/index.php/JCHR/article/view/4019	Scopus	1.1

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

13	Shaik Mohammad Azam, Ch. Maneesha, B. Dilip Kumar, Iron-Group and Amorphous Alloys: Promising Electrocatalysts For Alkaline Her - A Review, JCHR (2024) 14(2), 2464-2470 ISSN:2251-6727	https://jchr.org/index.php/JCHR/article/view/3927/2627	Scopus	1.1
14	“MINING AND RECOGNITION OF SURFACE WATER AREA OVER NAGARJUNA SAGAR RESERVOIR AND CHILIKA LAKE			0
15	P. Umamaheshwari, B. Dilip Kumar, Suggala. V. Satyanarayana, Comparative study on dehydration of isopropanol and acetonitrile by pervaporation using PEBA/PANI/zeolite mixed matrix membranes, Indian Chemical Engineer, 1–18, 2024	10.1080/00194506.2024.2381107	Scopus	1.091
16	H Rehana Anjum, T Noorjahan Begum, D Raja Kullayappa3Restoration of Pure Silver from X-Ray film waste YMER Journal	10.37896/YMER22.02/30	UGC Care	0.1
17	SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF 2-AMINO- 2-METHYL-1-PROPANOL 2-HYDROXY ACETOPHENONE SCHIFF BASE METAL COMPLEXES European Journal of Biomedical and pharmaceutical sciences	https://storage.googleapis.com/innctech/ejbps/article_issue/volume_10_march_issue_3/1677566902.pdf	UGC Care	0
18	Theoretical analysis on ci engine by multiple injection pressure with alternative fuel by adding aluminum oxide as nano additive	https://ymerdigital.com/uploads/YMER220240.pdf	UGC Care	0
19	Spectrochemical Investigation of Bio-Active Novel Heterocyclic Tyramine Di Thiocarbamates Metal Complexes-Docking Studies, International Journal of Research Publication and Reviews	https://www.ijaresm.com/uploaded_files/document_file/T. Noorjahan Begum lc7m.pdf	UGC Care	0
20	Report on Plate Modal Analysis Investigating Cantilevered Rectangular Plates., International Journal of Research Publication and Reviews	https://ijrpr.com/uploads/V4ISSUE7/IJRPR15459.pdf	UGC Care	0
21	Influence of Partial Replacement of Cement with Waste Materials on Mechanical Properties of Concrete, Journal of Chemical Health Risks, ISSN No: 2251-6727	https://doi.org/10.52783/jchr.v14.i2.3376	Non-SCI	0.22
22	K. Akash, S. Sharada, K. Peddintaiah, Experimental Investigation on Strength and Workability Properties of Concrete with Partial Replacement of Coarse Aggregate by E-Waste	https://doi.org/10.52783/jchr.v14.i2.3405	Non-SCI	0.22

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

23	S. Sharada, A. Rajasekhar Babu, A. Gopal Krishna, Surface Modification of Cotton Fabric Using TiO ₂ Nanoparticle Dispersions Synthesized Through Spray Deposition, <i>Journal of Chemical Health Risks</i>	https://www.jchr.org/index.php/JCHR/article/view/4451/2917	Non-SCI	1.1
24	SYNTHESIS OF IRON NANOPARTICLES USING MORINGA OLEIFERA LEAF EXTRACT, International Journal of Engineering Research and Development (IJERD) Vol. No:19 Issue No:05	http://www.ijerd.com/paper/vol19-issue5/C19052329.pdf	Non-SCI	0
25	Study and Verify the Performance Evaluation and Percentage Removal Efficiency of the STP, International Journal of Basic Sciences and Applied Computing (IJBSAC), ISSN: 2394-367X	http://doi.org/10.35940/ijbsac.B0507.1110323	Non-SCI	0
26	Efficient route for the removal of pollutants from dairy wastewaters, International Journal of Engineering Research and Applications (IJERA), ISSN: 2248-9622		Non-SCI	0
27	Synthesis of Silicon Dioxide Nanoparticles using “DesmostachyaBipinnita” via Green route,	https://ymerdigital.com/uploads/YMER210356.pdf	Non-SCI	0.1
28	Evaluation of the physicochemical properties of Ananthapur pond water, INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS (IJRAR.ORG), ISSN : 2348-1269		Non-SCI	0
29	Contribution of Community Services Provided by NSS Volunteers in Adopted Villages”. International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 9	http://www.ijaresm.com/uploaded_files/document_file/B_Nagashubhastq5.pdf	Non-SCI	0
30	A Review Paper on Water Quality Index Models Evolution and Their Applications: INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY Volume 9 Issue 10 ISSN: 2349-6002	https://ijirt.org/publishedpaper/IJIRT158704_PAPER.pdf	Non-SCI	0
31	Simple Water Technique for the Removal of Arsenic from Groundwater and its Kinetic Studies, Indian Journal of Advances in Chemical Science (IJACS)- KROS Publications; 2023; 11(1): 49-54;	10.22607/IJACS.2023.1101008	Non-SCI	0.208
2024-25				

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

1	Uma Maheshwari Peddoddi, B. Dilip Kumar, Satyanarayana Suggala V., Comparative study on dehydration of isopropanol and acetonitrile by pervaporation using PEBA/ PANI/zeolite mixed matrix membranes, <i>Indian Chemical Engineer</i> , (2024) 66(6), 636–653.	https://doi.org/10.1080/00194506.2024.2381107	Scopus	0.9
2	Haritha, V., Deepthi, P., Gundamalla, R., Nagesh, K., Satyanarayana, S. V., Rao, A. B., ... & Reddy, B. V. S. (2024). Biocatalytic enantioselective synthesis of cenobamate, an antiepileptic drug. <i>Chirality</i> , 36(4), e23660.	https://doi.org/10.1002/chir.23660	Scopus	4.4
3	Lakshmana Naik, R., Bala Narsaiah, T., Justin, P. <i>et al.</i> A facial synthesis of zinc metavanadate nanocomposite for enhanced photocatalytic degradation and sensor applications. <i>Res Chem Intermed</i> 51 , 1093–1112 (2025).	10.1007/s11164-024-05468-2	SCIE	2.8
4	Lakshmana Naik R, T. Bala Narsaiah, P. Justin, Dhanalakshmi M, A. Naveen Kumar, M.N. Somashekar, T.M. Sharanakumar, C.R. Ravikumar, H.C. Ananda Murthy, Enhanced performance of hydrothermally synthesized zinc vanadium oxide nanoparticles for supercapacitor and photocatalytic applications, <i>Journal of the Indian Chemical Society</i> , Volume 101, Issue 10, 2024, 101247.	10.1016/j.jics.2024.101247	SCIE	3.2
5	P. Ilaya Raja, H. Rehana Anjum, B. Dilip Kumar, Performance Improvement Studies of Cement with GGBS, Metakaolin and Coarse Aggregate with Various Types of Seashells, <i>JCHR</i> (2024) 14(2), 1759-1767 ISSN:2251-6727	https://jchr.org/index.php/JCHR/article/view/3749/2510	Scopus	0.1
6	T. Prathyusha, V Koti Bhanu Teja, K. Subba Rao, B. Dilip Kumar, Advancements in Membrane Technologies for Enhanced Water Splitting and CO ₂ Reduction: A Comprehensive Review <i>JCHR</i> (2024) 14(2), 313-328 ISSN:2251-6727	https://jchr.org/index.php/JCHR/article/view/3372/2392	Scopus	0.1
7	Ch Maneesha, Dilip Kumar Behara, Synthesis and characterization of Calcium Magnesium Aluminate nanomaterials using Neem plant extract: Its photocatalytic and Supercapacitor application, Submitted to <i>Journal of Environmental Analytical Chemistry</i> , 2024, 1-21	10.1080/03067319.2024.2442551	SCIE	2.45
8	V Ramasubbaiah, and Behara Dilip Kumar, "Green combustion synthesized Zn/NiO nanocomposite for photocatalytic and supercapacitor applications." <i>Journal of Environmental Analytical Chemistry</i> (2024): 1-20	10.1080/03067319.2024.2440807	SCIE	2.45

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

9	Abdul Mannan Mulla; Chandan Kumar Munagala; Aman Kumar Kesari; Yugender Raju L; Harsha Nagar; Dilip Kumar Behara, Vineet Aniya, Durable Polymer Composites Preparation with Oxy-Delignified Banana Fiber for Automotive Parts: A Study on Mechanical and Thermal Properties, <i>Industrial Crops and Products</i> 222 (2024), 119942.	10.1016/j.indcrop.2024.119942	SCIE	5.6
10	Raghavendra Kotla, Guru Babu Bollavaram, and Dilip Kumar Behara, Biomass Waste (Rice Husk, Tamarind Seeds) as Low Cost Adsorbents for Methylene Blue Removal Studies submitted to Bulletin of Material Science (<i>Just accepted</i>)		SCIE	2.45
11	Amarnath Reddy Ramireddy, Dilip Kumar Behara, Development, optimization of Eberconazole nanostructured lipid carrier 1% w/w based on QbD approach and evaluation including validation of IVRT method, AAPS Pharma Science Technology.		SCIE	3.25
12	Mrudula, Dandi, Satyanarayana, Suggala V, Dilip Kumar Behara, Bioremediation of Kalamkari Dye using Novel Bacterium Bacillus Inaquosorum Isolated from Textile Contaminated Waste Soil of Srikalahasti, A. P, The Journal of Solid Waste Technology and Management, 50, 3, 2024, pp. 592-601(10)	10.5276/jswtm/iswmaw/503/2024.592	Scopus	1.1
13	Firoz Shaik, B Dilip Kumar, K Subbarao, V K Bhanu Teja, A Comprehensive Review on Advancements in Solar Still Desalination, JCHR (2024) 14(2), 438-449 ISSN:2251-6727	10.52783/jchr.v14.i2.3433	Scopus	1.1
14	T. Prathyusha, V Koti Bhanu Teja, K. Subba Rao, B. Dilip Kumar, Advancements in Membrane Technologies for Enhanced Water Splitting and CO2 Reduction: A Comprehensive Review JCHR (2024) 14(2), 313-328 ISSN:2251-6727	https://jchr.org/index.php/JCHR/article/view/3372/2392	Scopus	1.1
15	A. Saisailesh, S. Raj Kamal, M. Murali Naik, M. Kalyan Kumar Studies on Removal of Soluble Phosphorous & Turbidity from Municipal Wastewater using Electrocoagulation JCHR (2024)	https://jchr.org/index.php/JCHR/article/view/2559/1863	Scopus	1.1

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

	K. Pravallika, A. Rajasekhar Babu, M. Kalyan Kumar Studies on the Removal of Nitrogen and COD from Municipal Wastewater by Electrocoagulation JCHR (2024)	https://jchr.org/index.php/JCHR/article/view/4022	Scopus	1.1
16	M Murali Naik, Ghantasala Nirupama, P. Akhila Swathanthra, Anke Rajasekhar Babu, VRamanjineyulu Design, Synthesis, Characterization and Analysis of Antimicrobial Property of Novel Benzophenone Fused Azetidinone Derivatives through In-Silico Approach A. J. Chem. Pharm, Res., 2025, 13(1): 24-32	https://doi.org/10.30904/j.ajcpr.2025.4770	Non-SCI	0.1
17	P. Umamaheshwari, B. Dilip Kumar, Suggala. V. Satyanarayana, Comparative study on dehydration of isopropanol and acetonitrile by pervaporation using PEBA/PANI/zeolite mixed matrix membranes, Indian Chemical Engineer, 1–18, 2024	10.1080/00194506.2024.2381107	Scopus	1.091
18	Aswani, P. Uma Maheswari, Sugali Chandra Sekar, M. Kalyan Kumar 4 Separation of Lithium Ions from Aqueous Solutions Using Membrane Aided Separation Techniques. JCHR (2024)	https://jchr.org/index.php/JCHR/article/view/4019	Scopus	1.1
19	K. Akash, Dr. S. Sharada, K. Peddintaiah Experimental Investigation on Strength and Workability Properties of Concrete with Partial Replacement of Coarse Aggregate by E-Waste. JCHR (2024)	https://jchr.org/index.php/JCHR/article/view/3405/2317	Scopus	1.1
20	M Murali Naik, Ghantasala Nirupama, P. Akhila Swathanthra, Anke Rajasekhar Babu, VRamanjineyulu Design, Synthesis, Characterization and Analysis of Antimicrobial Property of Novel Benzophenone Fused Azetidinone Derivatives through In-Silico Approach A. J. Chem. Pharm, Res., 2025, 13(1): 24-32	https://doi.org/10.30904/j.ajcpr.2025.4770	Non-SCI	0.1
21	P. Ilaya Raja, H. Rehana Anjum, B. Dilip Kumar, Performance Improvement Studies of Cement with GGBS, Metakaolin and Coarse Aggregate with Various Types of Seashells, JCHR (2024) 14(2), 1759-1767 ISSN:2251-6727	https://jchr.org/index.php/JCHR/article/view/3749/2510	Scopus	1.1

JNTUA College of Engineering, Anantapur
Department of Chemical Engineering
Faculty Publications (2022-25)

22	Modification of the surface physicochemical properties Of activated carbon for water filtration, International journal of progressive Research in engineering management And science (ijprems)	10.58257/IJPREMS36079	Non-SCI	0.1
23	Damodaram Vandana Reddy, ChindukuriManeesha,Lakshmana Naik Ramavathu, Tumma Bala Narasaiah, Synthesis of Copper and Cobalt Oxide nanoparticles for enhanced Supercapacitor applications. (2024). <i>International Journal of Nano Dimension</i> , 15(4), 1-11.	https://doi.org/10.57647/j.ijnd.2024.1504.28	Scopus	1.5
24	Chindukuri, M., & Behara, Dilip Kumar., Synthesis and characterisation of calcium magnesium aluminate nanomaterials using neem plant extract: its photocatalytic and supercapacitor application. <i>International Journal of Environmental Analytical Chemistry</i> , 1–21, 2024	https://doi.org/10.1080/03067319.2024.2442551	SCIE	2.3
25	Shaik Mohammad Azam, Ch. Maneesha, B. Dilip Kumar, Iron-Group and Amorphous Alloys: Promising Electrocatalysts For Alkaline Her - A Review, JCHR (2024) 14(2), 2464-2470 ISSN:2251-6727	https://jchr.org/index.php/JCHR/article/view/3927/2627	Scopus	1.1