

Bapatla Engineering College

Research papers indexed in SCOPUS (2023-24)

S.No.	Authors	Title of the paper	Name of the journal	Year	Volume and issue	Page No. (from – to)	Impact factor / cite
1	Ch. N. Satish kumar, Y Murali Krishna	Enhancing sustainability in concrete: synergistic effects of sugarcane bagasse ash and iron ore tailings as eco-friendly cement and sand replacements	Journal of building pathology and rehabilitation	2023	Vol-9 (20)		2.63
2	Ch. N. Satish kumar, Y Murali Krishna	Effect of iron ore tailings as partial replacement to fine aggregate on the performance of concrete	Innovative infrastructure solutions	2023	Vol-9 (8)		2.3
3	T.ChandraSekhar Rao	A Study on Hybrid Fiber Reinforced Geopolymer Concrete Short Columns Under Uniaxial	Eur. Chem. Bull	2023	Vol-12(4)	2525-2541	3.71
4	T.ChandraSekhar Rao	A Compressive Strength Model for Proportioning Self-Compacting Concrete	Journal of Harbin Engineering University	2023	Vol-44(8)	ISSN:10 06-7045	0.186
5	T.ChandraSekhar Rao	Experimental study on moment-curvature (M- Φ) response for graded fibre reinforced SCC beams	Journal of Aeronautical materials	2023	Vol-43(2)	301-314	0.94
6.	T.ChandraSekhar Rao	Evaluation of Axial Load Carrying Capacity of CFST Columns for Geometrical Cross-Sections	Lecture Notes in Civil Engineering	2023	346	247–256	0.133

7	K. LAKSHMI	Stress degradation studies and validation for the simultaneous determination of anti-viral drugs sofosbuvir and ledipasvir in bulk and pharmaceutical	European Chemical Bulletin	2023	12(3)	1680-1702	0.247
8	K. Umamaheswar	Growth, structural and optical studies on pure and L-Histidine doped single crystals of Copper Sulphate	Chelonian Conservation and Biology	2023	18(2)	1448-1454	0.34
9	K. Umamaheswar	Structural, Optical and Anti-bacterial studies of pure and amino acid added single crystals	Chelonian Conservation and Biology	2023	18(2)	1435-1447	0.34
10	G.P.Bhavane, V.Syamala, K.Umamaheswar, K.A.Emmanuel,J.Sai Chandra,	Growth , structural and optical studies on pure and L-Histidine doped single crystals of Copper sulphate.	European Chemical Bulletin	2023	18	1435-1447	3.71
11	G.P.Bhavane, V. Syamala, K. Umamaheswar, K.A. Emmanuel, J. Sai	Structural,Optical and AntiBacterialstudiesof pure&aminoacid added single crystals.	European Chemical Bulletin	2023	18	1448-1454	3.71
12	Nandana Narayana, Pallaviram Sure, Chandra Mohan Bhuma	Experimental Investigations on the Applicability of LASSO based Sparse Recovery for Compressively Sensed OFDM Channel Estimation	Sadhana	2023		Inpress	1.214

13	N. Rafi, Y. Monika Archana, Ravi Kumar Bandaru and	On Prime E-ideals of Almost Distributive Lattices	Int. J. Anal. Appl.	2023	21-85	1-24	0.98
14	M. Murali Krishna Rao, N. Rafi and Rajendra Kumar Kona	A Study On Ideal Elements In Ordered Gamma-Semirings,	Discussiones Mathematicae General Algebra and Applications	2023	43	249-261	0.38
15	N. Rafi, R. Vasubabu, R.V.N. Srinivasa Rao and Y. Monika Archana	On Fuzzy Closure filters of Decomposable Stone Almost Distributive lattices,	Asia Pacific Journal of Mathematics,	2023	10-40	1-19	0.139
16	Dr. B. Ratna Sunil	Development, and characterization of calcium deficient nano-hydroxyapatite powder from fish bones for biomedical applications	Letters in Applied NanoBioScience	2023-24	In press	In press	Scopus
17	Mr. A. Suresh	The role of aluminium content on the corrosion initiated mechanical failure of AZ series magnesium alloys	Materials Today: Proceedings	2023-24	In press	In press	Scopus
18	Dr. A. Praveen	The influence of thermal barrier coating (TBC) on diesel engine performance powered by using Mimuso selengi methyl ester with TiO ₂ nanoadditive	International Journal of Ambient Energy	2023-24	44 /1	2250-2261	SCOPUS
19	Dr. A. Praveen	Combined effect of hydrogen and with Julifora biodiesel blend (JFB20) on the combustion,	Materials Today: Proceedings	2023-24	In press	In press	SCOPUS

20	Dr. V. Aruna, Dr. A. Ramesh Babu	Ascendancy of Cr ₂ O ₃ on morphology, spectroscopic and dielectric properties of GeO ₂ -Li ₂ O-P ₂ O ₅ -MgO glasses	Materials Chemistry and Physics	2023	304 (2023) 127889		4.778
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Research papers indexed in SCOPUS (2022-23)

S.No	Authors	Title of the paper	Name of the journal	Year	Volume and issue	Page No. (from - to)	Impact factor/ cite score
1	Ch. N. Satish kumar	MECHANICAL PROPERTIES OF HIGH STRENGTH SELF COMPACTING CONCRETE	Civil and Environmental	2023	Vol-19 (1)	260-270	1.36
2	Ch. N. Satish kumar	A case study on maintenance of bituminous concrete pavement	International Journal of	2022	Vol-22(9)	1756-1764	0.719
3	Ch. N. Satish kumar	A Review on Concrete's Rheological Properties	World Journal of Engineering	2022	Vol-21(1)	53-70	0.296
4	Ch. N. Satish kumar	Thermal analysis of concrete slabs with Insulating materials using ANSYS	World Journal of Engineering	2022	Vol-21(1)	156-169	0.296
5	Ch. N. Satish kumar	Binary and Ternary blended self compacting concrete proportioned based on the rheological properties-An experimental investigation	Neuro Quantology	2022	Vol-20(6)	9755-9766	0.285
6	T.ChandraSekharRao	Shear strength of ternary blended ferrocement plates reinforced with welded	Indian Concrete Journal	2022	Vol-98	18-25	0.219

7	T.ChandraSekharRao	RCC slab strengthening embellishment in nonlinear analysis by retrenchment and manifestation of frustration and cracks	Asian Journal of Civil Engineering	2022	Vol-23	841-854	0.397
8	T.ChandraSekharrao	Pervious Concrete: An Overview and Experimental Study	Earth and Environmental Science,	2022	982	1-12	2.25
9	Ch. N. Satish kumar	MECHANICAL PROPERTIES OF HIGH STRENGTH SELF COMPACTING CONCRETE BASED ON RHEOLOGICAL MIX PROPORTIONING	Civil and Environmental Engineering	2023	Vol-19(1)	260-270	1.36
10	Ch. N. Satish kumar	A case study on maintenance of bituminous concrete pavement considering life cycle cost analysis and carbon footprint estimation	International Journal of Construction Management	2022	Vol-22(9)	1756-1764	0.719
11	K. Santhakumari, K. Prasada Rao, S Mohan,	Method Development and Validation for Famciclovir and Valacyclovir by using UPLC and its Degradants are Characterized by LC-MS/MS	International Journal of Pharmaceutical Quality Assurance	2022-23	13(3), 25/9/2022,	232-239	0.40
12	K. Santhakumari, K. Prasada Rao, S Mohan,	Validated Method Development of Levamisole and Inosine pranobex by using UPLC & Characterization of Degradants by LC-MS/MS	YMER	2022-23	21(7), July-2022,	734-744	0.118
13	PPM Prasad, N. Kanagasabai, P.Surendrakumar	Design and Implementation of IOT based Innovative Charging Method For E-vehicles	Philippine Statistician: Mathematical Statistician and Engineering Applications	Aug-22	71(4)	622-632	0.2

14	PPM Prasad, N. Kanagasabai, P.Surendrakumar	Design and Implementation of IOT based Innovative Charging Method For E-vehicles	Philippine Statistician: Mathematical Statistician and Engineering Applications	Aug-22	71(4)	622-632	0.2
15	Tathababu Addepalli, Jetti Chandrasekhar Rao, Penchala Reddy Sura Boddapalli Venkata Ramana Vella Satyanarayana	Compact `Q'-Shaped Connected Ground 4-Element MIMO Antenna for X-Band Applications	Progress In Electromagnetic s Research C	Feb-23	130	117-126	6.7
16	B.V.Ravisankar Devarakonda, VenkateswararaoNadanavanam	Multi-Head Attention-Based Spectrum Sensing for Cognitive Radio	International Journal of Electrical and Computer Engineering Systems	Feb-23	14(2)	135-143	1.7
17	Idrish Shaik and Sahukara Krishna Veni	A Compact Dual-Band Octal Patch Loaded with Bow-Tie Parasitic MIMO Antenna Design for 5G mm-Wave Wireless Communication	Progress In Electromagnetic s Research C	May-23	133	121-134	6.7
18	Idrish Shaik Sahukara Krishna Veni	A Novel Quadrangular Slotted DGS with a Wideband Monopole Radiator for Fifth-	Progress In Electromagnetic	May-23	133	109-120	6.7

19	Ch.hari prasad, N.kartik	Bacterial Foraging Optimization Technique for Optimal Reorganization of Radial Distribution Network with inclusion of DG and DSTATCOM	International Journal of Intelligent systems and Applications in Engineering	2022 - 2023	10(4)	658-662	1.74
20	K.Rajendra, N.Karthik	Grey Wolf Optimizer and Cuckoo Search Algorithm for Electric Power System State Estimation with Load Uncertainty and False Data	International Journal on Recent and Innovation Trends in	2022 - 2023	11	89-93	5.837
21	G.rajesh, N.Karthik	Power Quality Improvement in Solar Integrated Power Systems Using Fuzzy-Based MMC UPQC	International Journal of Intelligent Systems And	2022 - 2023	11	120-125	1.74
22	M.Suresh, N.Karthik	Power Loss Minimization in a Radial Distribution Network by Optimal Sizing and Placement of Energy Storage Units	International Journal on Recent and Innovation Trends in	2022 - 2023	11	280-285	5.837
23	K.Rajendra, N. Karthik	State Estimation for Electric Power System with Load Uncertainty and False Data Using Cuckoo Search Algorithm	International Journal on Recent and Innovation Trends in	2022 - 2023	11	209-214	5.8737
24	M.Suresh, N.Karthik	Investigation of Power Saving and Optimal Placement of Energy Storage Units in Active Distribution Network with reference to Conservation Voltage Reduction	International Journal of Intelligent Systems And Applications In	2022 - 2023	11	301-306	1.74

25	M.Suresh, N.Karthik	Power Loss Minimization in a Radial Distribution Network by Optimal Sizing and Placement of Energy Storage Units	International Journal on Recent and Innovation Trends in	2022 - 2023	11	280-285	5.837
26	Ch.Hari Prasad, N.Karthik	Optimization for Position and Rating of Distributed Generating units using Harris Hawk Optimization Algorithm to Reduce Power Losses	Electrical Systems	2022 - 2023	18	205-216	0.187
27	Ch.Hari Prasad, N.Karthik	Cuckoo Search Optimization Algorithm for DG and DSTATCOM Optimal Allocation in Radial Distribution System	Computer Integrated Manufacturing Systems	2022 - 2023	12	955-960	4.42
28	G.Sai Gowtham, B.Vijay Krishna	Environmental Feasibility Survey of Solar Photovoltaic Cells	International Conference on Artificial Intelligence for	2022 - 2023	11	13-24	7.802
29	G.Ravikumar	Fault analysis of microgrid with grid connected and islanded mode using IOT wavelet approach	Electrical systems	2022 - 2023	19	13-26	0.178
30	G.Ravikumar	machine learning assessment of IOT managed microgrid protection in existence of SVC using wavelet methodology	AIMS Electronics and Electrical	2022 - 2023	19	370-381	1.21
31	M.Suresh Babu, N.Karthik	Optimization of Energy Storage Unit Size and Location in a Radial Distribution Network to Minimize Power Loss Using Firefly Algorithm	Advance research in applied science and engineering	2022 - 2023	31	25-42	5.660

32	Mr. Ch. Hari Prasad and Dr. N. Karthik	Optimum restructuring of Radial Distribution Network with Integration of DG and DSTATCOM using Artificial Fish Swarm Optimization Technique	IEEE International 2 nd conference	2022 - 2023	11(2)	134-141	1.2
33	P. Ravi Kumar	A New Supervised Term Weight Measure Based Approach for Text Classification	International Information and Engineering Technology Association	2022	Vol. 36 No. 3	395-407	
34	N.Srinivasa Rao	Rapid Text Retrieval and Analysis Supporting Latent Dirichlet Allocation	International Journal Hindawi Mobile Information	2022	Volume 6, Article ID 6028739		
35	M. Vanishree, N. Rajesh, N. Rafi, Ravikumar Bandaru	Ideal theory of semigroups based on (3, 2)-fuzzy sets,	Journal of Mathematics and Computer	2023	28	182-191	0.352
36	Sri. A. Praveen	A Comparison of Coated and Uncoated Diesel Engine Performance and Emission Characteristics Powered by <i>Chlorella Vulgaris</i> Biodiesel Blend with an Assistance of Alumina Nano Additive	SAE International	2022 -23	21	9	SCOPUS
37	Sri. A. Praveen	Comparative assessment of MWCNTs and alumina nanoparticles dispersion in biodiesel blend on the engine characteristics of an unmodified DI diesel engine	Materials Today: Proceedings	2022 -23	68	1241-1251	SCOPUS

38	Dr. T. Nancharaiah	Flapwise Vibration of Functionally Graded Rotating Tapered Beam with Tipmass	Sigma Journal of Engineering and Natural Sciences	2022-23	40	640-648	SCOPUS
39	Dr.B.Ratna Sunil	Effect of argon gas environment on high temperature sliding wear characteristics of NiCrBSi laser clad	Materials Today: Proceedings	2023	78	682-687	Scopus
40	Dr.B.Ratna Sunil	Comparative investigations on the bioactivity of surface grain refined titanium and surface oxidized titanium for biomedical implant applications	Biointerface Res. Appl. Chem.	2023	13 (4)	318	Scopus
41	Dr.B.Ratna Sunil	Temperature dependant sliding wear behaviour of Stellite 6 alloy	Materials Today: Proceedings	2022-23	78	514-519	Scopus
42	Dr.B.Ratna Sunil	Effect of AC/DC electrical fields on ZnO nano particles kinetics	Acta fytotechnica et zootechnica	2022-23	25	4	Scopus
43	Dr.B.Ratna Sunil	Microstructure, mechanical properties and corrosion behaviour of rare earths (RE) containing Mg-Zn alloy for bio medical applications	Materials Today: Proceedings	2022-23	--	In Press	Scopus
44	Sri. A.Praveen	Optimization of Operational Parameters on Engine Performance and Emissions of a Diesel Engine Powered with Mimusops Elengi Methyl Ester with Doped TiO2 Nanoparticle with Varying Injection Pressure	SAE Technical Paper	2022-23	28	1-12	Scopus

45	Sri. A.Praveen	Dispersion Effect of Al ₂ O ₃ Nanoparticles in Diesel and Hemp Biodiesel Blend on the Engine Parameters of a Diesel Engine	AIP Conference Proceedings	2022-23	2648	1-7	Scopus
46	Sri. A.Praveen	Comparative assessment of MWCNTs and alumina nanoparticles dispersion in biodiesel blend on the engine characteristics of an unmodified DI diesel	Materials Today: Proceedings	2022-23	68	1241-1251	Scopus
47	M.Venkateswara Rao	Mechanical microstructural and tribological behavior of stir cast Al 8011/TiB ₂ /SiC hybrid metal matrix	Elsevier, Matereials Today	2022-23	62-14	7446-7454	SCOPUS
48	P. Umamaheswarao	Desirability function analysis based multi response optimization of process parameters during friction stir welding of AA6061-AA7075	INCAS BULLETIN	2022-23	15-2	121-131	SCOPUS
49	P. Umamaheswa Rao	Multi-response optimization of process parameters during friction stir welding of AA2014-AA7075 using TOPSIS Approach	INCAS BULLETIN	2022-23	15-2	107-117	SCOPUS
50	Dr.M.Venkateawara Rao	Hardness and Dry Sliding Wear Behaviour of Al7050 Hybrid Composites Produced By Stir Casting	Composites theory and practice	2022-23	22:3	150-159	SCOPUS , WEB OF
51	Dr.M.Venkateawara Rao	Assessing the role of reinforcement size and weight percentage on the mechanical and wear characteristics of Al7050-TiO ₂ -hBN hybrid composites	Engineering Research Express	2022-23	5/(1)	015049	SCOPUS , WEB OF SCIENCE

52	Y.Chaitanya, Dr.A.RameshBabu,Dr.V.Aruna	Impact of copper ions on physical, structural, spectroscopic, and dielectric properties of Bi ₂ O ₃ -CaO-P ₂ O ₅ -B ₂ O ₃ glasses	Materials Chemistry and Physics	2022-23	290 / 126584		4.778
53	Dr.V.Aruna, Dr A.Ramesh Babu, N,SreeRam	Electrical and spectroscopic characteristics of B ₂ O ₃ -Bi ₂ O ₃ -Al ₂ O ₃ -MgO glasses alloyed with MnO	Journal of Physics and Chemistry of solids	2022-23	170 /110957		4.383
54	Dr.V.Aruna, N,SreeRam	Novel Indium Vanadium Oxide Nanosheet-Supported Nickel Iron Oxide NanoplateHeterostructure for Synergistically Enhanced Photocatalytic Degradation of Tetracycline.	Catalysts	2022-23	12(1471)		4.501
55	Dr.V.Aruna, N,SreeRam	Fabrication of InVO ₄ /SnWO ₄ heterostructuredPhotocatalyst for efficient photocatalytic degradation of tetracycline under visible light	Environmental Research	2022-23	220(115191)		8.431

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1	Dr. T Chandra Sekhar Rao	Effect of Graded Steel Fibres on Fresh and Hardened Properties of Self Compacting Concrete	Design Engineering (Toronto)	2021	2021(6)	6043-6062	0.101

2	Dr. S R R Teja Prathipati	Web-flange interaction on local buckling of I-sections-a study in	Journal of Structural Engineering (SERC), Madras	2021	48(4)	319-325	0.136
3	Dr. Kunamineni Vijay	Application of artificial neural networks for prediction of	Journal of Building Pathology and	2022	7(1)		2.63
4	Dr. Kunamineni Vijay	Evaluating durability parameters of concrete containing bacteria	Journal of Building Pathology and	2022	7(2)		2.63
5	Dr. Ch. N. Satish kumar	Analytical Modeling of Ultra-thin white topping cement concrete	World Journal of Engineering	2022	ISSN: 1708-5284		0.296
6	Dr. T Chandra Sekhar Rao	"RCC slab strengthening embellishment in nonlinear	Asian Journal of Civil Engineering	2022	23	841-854	0.397
7	Dr. T Chandra Sekhar Rao	Mechanical Strength Characteristics of Fly Ash	DESIGN Engineering (Toronto)	2022	2022(1)	911-922	0.101
8	S Suresh Kumar	Analysis and Design of Composite Single Span Psc-I	IOP Conference Series: Earth and Environmental	2022	012078		2.25
9	Dr. K Vijay	Analysis of Water Quality Parameters of Penna River from	IOP Conference Series: Earth and Environmental	2022	012067		2.25
10	Dr. Ch. N. Satish kumar	Analytical modelling of ultra-thin white topping cement concrete	World Journal of Engineering	2022	ISSN:1708-5284		0.296
11	Dr.P Sundara Kumar	Assessment of Runoff and Sediment Yield using Routing	IOP Conference Series: Earth and Environmental	2022	012069		2.25
12	Dr Ch N.Satish Kumar	Thermal analysis of concrete slabs with insulating materials	World Journal of Engineering	2022	ISSN:1708-5284		0.296
13	Dr.Vijay K., Hari Babu K., Vidya Indrasena	Effect of Wood-Ash as Partial Replacement to Cement on	IOP Conference Series: Earth and Environmental	2021	012020		0.42
14	Teja Prathipati S.R.R., Paluri Yeswanth., Vijay K.	Evaluating the feasibility of blending fly ash and quarry dust	IOP Conference Series: Earth and Environmental	2022	012060		0.42
15	Dr. Paluri Yeswanth.	Evaluation of a Clayey Soil Stabilized by Calcium Carbide	Transportation Infrastructure	2021	Vol.9	403-416	0.362
16	Dr. Ch N Satish Kumar	Evaluation of Strength Properties of the Concrete Prepared from	IOP Conference Series: Earth and Environmental	2022	012012		0.42
17	Chiranjeevi Tadi, Dr T Chandra Shekar Rao	Investigating the performance of self-compacting concrete	Materials Today: Proceedings	2022	49(5)	2013-2018	2.59

18	Dr. Prathipati S.R.R.T., Paluri Yeswanth.	Mechanical behavior of triple-blended hybrid fiber-reinforced	Innovative Infrastructure Solutions	2021	Vol.6	154	2.4
19	Dr T Chandra Shekar Rao	Pervious Concrete: An Overview and Experimental Study	IOP Conference Series: Earth and Environmental	2022	012020		0.42
20	Dr T Chandra Shekar Rao	RCC slab strengthening embellishment in nonlinear	Asian Journal of Civil Engineering	2022	Vol.23	841-854	0.397
21	Dr T Chandra Shekar Rao	SHEAR STRENGTH OF TERNARY BLENDED FERROCEMENT PLATES	Indian Concrete Journal	2022	Vol.23	841-854	0.219
22	Siva Rama Krishna U., Tadi Chiranjeevi.	Sustainable concrete pavements for low volume roads-	IOP Conference Series: Earth and Environmental	2022	012005		0.42
23	Shaik Mohammed Jasminea, 1, Seelam Mohanb, 1, Kota	Evaluation of Antimicrobial Activity of Aryl/Alkyl Cyanamides	Russian Journal of Bioorganic chemistry	2021 -22	48(2), May,	292-299	1.254
24	J. Krishna Kishore, K. Prasada Rao	Identification of the Organic Volatile Impurities in Telmisartan	International Journal of Current Research and	2021 -22	13(24), Dec,2021,		0.39
25	P. P. M. PRASAD, Dr. N. KANAGASABA,	Implementation of Digital watches for Health Care	International Journal of Mechanical Engineering	19th Feb	7(2)	761-768	
26	P. P. M. PRASAD, Dr. N. KANAGASABA,	Implementation of Digital watches for Health Care	International Journal of Mechanical Engineering	19th Feb	7(2)	761-768	
27	Mrs. M. Nagendra	Critical Assessment and Comparative Study of PID and ADRC Approaches Applied to AGC in Multi-Source Single Area	IEEE	2021 - 2022	11	280-285	5.837
28	Mrs.M.Nagendra	A Case Study on Clustering Application to Unlabelled Real-time Time-series Data Streams International conference on Electronics	Communication and Aerospace Technology	2021 - 2022	10	209-214	5.8737

29	Mrs.M. Nagalakshmi	Critical Assessment and Comparative Study of PID and ADRC Approaches Applied to AGC in Multi-Source Single Area	IEEE	2021 -	12	301-306	1.74
30	Dr Yetendra G	Critical Assessment and Comparative Study of PID and ADRC Approaches Applied to AGC in Multi-Source Single Area	IEEE	2021 - 2022	21	25-42	5.660
31	N. Siva Ram Prasad	FeatureSelection Basedon MultiResolutionAnalysis of	International Journal on	2021	Vol 9, Issue 6	361-369	
32	N. Siva Ram Prasad	UnsupervisedFeatureSelection for Test Clustering	International Journal of Computer	2021	Vol. 12, Issue 4,	790-797	
33	P. Ravi Kumar	A Novel FilterBasedMultivariateFeature	Journal of Theoretical and	2021	Vol.99, No.18,	4253-4275	
34	K. Srinivasa Rao	A HybridGroupAcceptanceSamplin	Turkish Online Journal of	2021	Vol. 4, Issue 1	31-40	
35	S Krishna Priya	Research onPrediction ofSchool Computer	SREQOM	2021	Vol.13, No:1	488-495	
36	B. Krishnaiah	An Efficientapproach toperceivefalseinterpretations in	International Journal of Interdisciplinary	2020	Vol. 14, Issue 4	261-265	
37	M. Praveen Kumar	"LZW Text DataCompression	Pensee Journal	2021	Volume 51, Issue-		
38	N. Srinivasa Rao	"LZW Text DataCompression	Pensee Journal	2021	Volume 51, Issue-		
39	S. Ratna Babu	IoT basedAutomatic Damaged Street	International Journal of Advanced	2020	Vol. 11, Issue 8,	412-416	
40	Ravi Kumar Bandaru & N. Rafi	ON eGE-ALGEBRAS	Discussiones Mathematicae General Algebra and	2021	41	395-397	0.38
41	N. Rafi, Ravi Kuamr Bandaru & M Srujana	Closure prime spectrum of MS-Almost Distributive Lattices	Palestine Journal of Mathematics	2021	10 & 2	834-844	0.42

42	N. Rafi, Ravi Kuamr Bandaru & M Srujana	N-Prime Spectrum of Stone Almost Distributive Lattices.	Discussiones Mathematicae : General Algebra &	2021	41	299-300	0.38
43	N. Rafi, M Srujana and T. Srinivasa Rao	Disjunctive Ideals of Almost Distributive Lattices	Discussiones Mathematicae : General Algebra &	2022	42	159-178	0.38
44	Dr. B. Ratna Sunil	Machining behavior of AZ91E hybrid composite reinforced	Eng. Res. Express.	2021 -	4	015035	Scopus/ Web of
45	Dr. B. Ratna Sunil	Dispersion effect of Al ₂ O ₃ nanoparticles in diesel and hemp	AIP Conference proceedings	2021-22	2648,	040007	Scopus
46	Dr. B. Ratna Sunil	Friction and wear behavior of BN(h) and Ag incorporated nickel	Tribology – Materials, Surfaces & Interfaces,	2021-22	16(1)	23-33	SCOPUS
47	Dr. B. Ratna Sunil	Carbide-based thermal spray coatings: A review on	International Journal of Refractory Metals and Hard	2021-22	103	105772	SCIE
48	Dr. B. Ratna Sunil	Machining characteristics of Al6063 composites reinforced	Mater Today: proc,	2021-22	50(5)	2351-2354	SCOPUS
49	Dr. B. Ratna Sunil	Investigation on the role of microstructure and temperature	Tribology – Materials, Surfaces & Interfaces	2021-22	16(1)	68-75	Scopus
50	A Suresh	Role of heat treatment on machining characteristics and	Mater Today: proc,	2021-22	50(5)	2488-2492	SCOPUS
51	Sri.S. Ravi Kumar	Wear Studies of AZ91-SiC/FA Composites using Taguchi	Design Engineering	2021-22	2021	2531-2555	SCOPUS
52	Sri.S. Ravi Kumar	Wear Behaviour of Magnesium Metal Matrix Hybrid Composites	International Journal of Mechanical Engineering	2021-22	7	1488-1499	SCOPUS
53	Sri. P. Uma Maheswar Rao	Machining force comparison for surface defect hard turning and	Incas Bulletin	2021-22	13(3)	205 – 214	SCOPUS
54	Dr. P. Ravi Kumar	Multi response optimization of process parameters in wire-cur	Materials Today	2021-22	47(19)	6960-6964	SCOPUS
55	Dr. Ch. Lakshmi Srinivas	Grey Relational Analysis and Principal Component Analysis	INCAS BULLETIN	2021-22	14	43-51	SCOPUS
56	Sri.S. Ravi Kumar	Wear Studies of AZ91-SiC/FA Composites using Taguchi	DESIGN ENGINEERING (TORRONTO)	2021-22	2021/6	2531-2555	SCOPUS
57	Sri.S. Ravi Kumar	Wear Behaviour of Magnesium Metal Matrix Hybrid Composites	International Journal of Mechanical Engineering	2021-22	7	1488-1499	SCOPUS

58	Dr. T. Nancharaiah	Role of heat treatment on machining characteristics and	Materials Today: Proceedings	2021-22	50	2488-2492	SCOPUS
59	Sri. A.Praveen	Effect of MWCNTs as nano additives in C. Inophyllum	Materials Today: Proceedings	2021-22	50(6)	2581-2586	SCOPUS
60	Dr. T. Nancharaiah	Influence of different build orientation and laser scan	Australian Journal of Mechanical Engineering	2021-22	21	1-15	SCOPUS
61	Sri. A. Praveen	Enhancing diesel engine performance by using nano-	IOP Conference Series: Materials Science and	2021-22	1185	012039	SCOPUS
62	Sri. A. Praveen	An assessment of the TiO2 nanoparticle concentration in	International Journal of Ambient Energy	2021-22	43	5464-5477	SCOPUS
63	Dr.M.Venkateswar Rao	Mechanical, microstructural and tribological behavior of stir cast	Materials Today: Proceedings	2021	62	14	SCOPUS
64	Y.Chaitanya, Dr.A.RameshBabu,Dr.V.Arun	Impact of copper ions on physical, structural,	Materials Chemistry and Physics	2022-23	290 / 126584		4.778
65	Dr.V.Aruna, Dr A.Ramesh Babu, N,SreeRam	Electrical and spectroscopic characteristics of B2O3–Bi2O3–	Journal of Physics and Chemistry of solids	2022-23	170 /110957		4.383

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S.No	Authors	Title of the paper	Name of the journal	Year	Volume and issue	Page No. (from - to)	Impact factor/ cite score
1	Dr. Ch.N. Satish kumar	Investigations on mechanical	Structural Concrete	2020	22(1)	720-731	2.793
2	Dr. Ch.N. Satish kumar	Influence of fly ash on hydration	AIMS Materials Science	2021	8(2)	301-320	0.422
3	Dr. Ch.N. Satish kumar	Achieving Sustainability by	Design Engineering	2021	2021(7)		0.101

4	Dr. Tanimki Chandra Sekhar Rao	Development of Normal grade	Materials today: Proceedings	2020	10	1-7	2.59
5	Dr. Tanimki Chandra Sekhar Rao	High strength superplasticized	Solid State of Technology	2020	63(1)	128-136	0.115
6	Dr. Tanimki Chandra Sekhar Rao	A Review Report on Utilization of	Solid State of Technology	2020	63(5)	4468-4473	0.115
7	Dr. Yeswanth Paluri	Effect of Lime on Resilient	Transportation Infrastructure	2020			0.362
8	Dr. T Chandra Sekhar Rao	Durability performance of	Lecture Notes in Civil Engineering	2020	110	191-207	0.133
9	Priyadarsini Pullagura , Madhava Rao Vallabhaneni , Hanumatha Rao Addanki ² , Subramanyam	A Simple, Efficient	Org. Communications	2021	14:2 (2021)	121-13	0.157
10	P. Bhavani, S. Mohan, K Prasada Rao	A Simple RP-HPLC method	Indian Journal of Pharmaceutical	2020 -	83(4), July 2021,	701-713	0.664
11	K. Santhakumari, K. Prasada Rao, S Mohan	Liquid Chromatography	International Journal of	2020 -	13(24), Dec, 2021,	67-71	0.39
12	J. Krishna Kishore, K. Prasada Rao	A Novel Validated Gc-Hs	International Journal of	2020 -	12(4), Oct 2021,	3009-3015	0.40
13	Krishna Kishore J, Prasada Rao K*,	A novel validated	Asian journal of pharmaceutical	2020	13(11), Oct, 2020,	171-177	0.4
14	Bhavani Podili, Prasada Rao Kammela, Mohan Seelam	Novel Validated RP-HPLC	Asian journal of pharmaceutical	2020	13(12), Dec 2020.		0.4
15	Bhavani Podili, Bajivali Shaik , Prasada Rao Kammela	A Validated Specific	International Journal of	2020	11(3), Sep, 2020		0.40
16	P. Bhavani, S. Mohan, K Prasada Rao	A Simple RP-HPLC method	Indian Journal of Pharmaceutical	2020 -	83(4), July 2021,	701-713	0.664
17	Krishna Murthy Potla	Crystal Structure,	Asian Journal of Chemistry,	2020	32 (12)	3179-3185	0.47
18	Ch.V.M.S.N.Pavan Kumar Senthil Kumar Babu	Non-Dominated Sorting Particle	International Journal of	01-Dec-	18(1)	25-45	1.6
19	VMSN Pavan Kumar Ch, Senthil Kumar Babu N. Ashokkumar and G. Arul Elango	Road Irregularities	Journal of University of	Nov-20	22(11)	860-866	

20	Dr Pappula Sampath Kumar	An Improved Lyapunov Function Based Control Strategy	Inverter Institute Of Engineers Springer Scopus Journal	2020 - 2021	11 and 3	223-129	0.323
21	Dr. Adusumilli Bala Surendra	Capacitor Placement And	sustainable energy grids and	2020 -	4 and 1	121-128	6.813
22	Ch Sridhar, Dr N rama Devi	Load Immune Based Stator Incipient Faults Detection	Data engineering and communication	2020 - 2021	12 and 6	978-981	0.52
23	Mrs.K Kamala Devi	Islanding Detection In Wind Farm Distributed	National Conference On Emerging Technologies In	2020 - 2021	3 and 4	154-162	
24	Dr. P. Vijaya Saradhi& S. Vangipuram	Graphs With A Given Graphical Parameter	Advances in Mathematics: Scientific Journal	2020	9 & 12	10131-10135	0.32
25	Dr. P. Vijaya Saradhi& S. Vangipuram	Graph With A Given Upper Domination Number	Advances in Mathematics: Scientific Journal	2020	9 & 12	10833-10838	0.32
26	Sri.S. Ravi Kumar	Corrosion and tribological behavior of magnesium	AIP Conference Proceedings	2020 -21	2259	1-13	SCOPUS

27	Dr. T. Nancharaiah	Influence of Canola Oil on The Emission and	International Journal of Mechanical and Production	2020-21	10	7127-7134	SCOPUS
28	Dr. D. Sameer Kumar	INFLUENCE OF CANOLA OIL ON THE EMISSION AND	International Journal of Mechanical and Production	2020-21	10	7127-7134	SCOPUS
29	Sri. S. Krugon	On the Optimality of Inventory and Shipment	International Journal of Advanced Science and	2020-21	29	3583-3599	SCOPUS
30	Sri. S. Krugon	An Integrated Method Using Fuzzy AHP and TOPSIS Method	International Journal of Advanced Science and	2020-21	29	12473-12480	SCOPUS
31	Dr. P. Ravi Kumar	INFLUENCE OF CANOLA OIL ON THE EMISSION AND	International Journal of Mechanical and Production	2020-21	10	7127-7134	SCOPUS
32	Sri. A.Praveen	Nano fluids effect on crossflow heat exchanger	materials Today: Proceedings	2020-21	44(1)	527-531	SCOPUS
33	Sri. P. Uma Maheswar Rao	Application of TOPSIS for multi response optimization of	INCAS BULLETIN	2020-21	13	211-224	SCOPUS

34	Sri. P. Uma Maheswar Rao	EXPERIMENTAL INVESTIGATIONS ON THE INFLUENCE OF	International Journal of Modern Manufacturing	2020-21	XII	144-156	SCOPUS
35	Sri. P. Uma Maheswar Rao	A Review on Submerged Friction Stir Welding of Light	IOP Conf. Series: Materials Science and Engineering	2020-21	954	1-8	SCOPUS
36	Dr. B. Ratna Sunil	Zinc-calcium silicate composites produced by ball	Materials Today: Proceedings	2020-21	44(1)	1584-1588	SCOPUS
37	Dr. B. Ratna Sunil	Developing composites of zinc and hydroxyapatite	IOP Conf. Series: Materials Science and Engineering	2020-21	1116	012002	SCOPUS
38	Dr. P. Ravi Kumar	Influence of Canola Oil on The Emission And	International Journal of Mechanical and Production	2020-21	10	7127-7134	SCOPUS
39	Dr. P. Ravi Kumar	Dynamic Analysis of Hydraulic Actuated	Turkish Journal of Computer and Mathematics Education	2020-21	12	2675-2685	SCOPUS
40	Dr. B. Ratna Sunil	Effect of heat treatment on mechanical and tribological	Journal of Physics: Conference Series	2020-21	1355	012032	SCOPUS

41	Dr. B. Ratna Sunil	Effect of heat treatment on microstructure, microhardness	Koroze A Ochrana Materiálu	2020-21	63(2)	79-85	SCOPUS
42	Dr. B. Ratna Sunil	Zinc-calcium silicate composites produced by ball	Materials Today: Proceedings	2020-21	44(1)	1584-1588	SCOPUS
43	Dr. B. Ratna Sunil	Microhardness and frictional characteristics of cryogenically	Materials Today: Proceedings	2020-21	47	3112-3116	SCOPUS
44	Dr. B. Ratna Sunil	Sliding Wear Characteristics of Silver Particles	Lecture notes in Mechanical Engineering	2020-21	--	823-829	SCOPUS
45	Dr. B. Ratna Sunil	Effect of Friction Stir Processing on the Sliding Wear	Advances in Mechanical Engineering in: Lecture notes in	2020-21	--	663-669	SCOPUS
46	Dr. B. Ratna Sunil	Effect of cryogenic treatment duration on the	Materials Today: Proceedings	2020-21	38	2140-2144	SCOPUS
47	Dr. T. Nancharaiah	Multi response optimization of process parameters in	Elsevier, Materials Today: Proceedings	2020-21	47	6960-6964	SCOPUS

48	Dr. V.V. Kondaiah	Role of plunge depth on the joint formation and mechanical	Material Science & Engineering, Materialwiss. Werkstofftech.	2020-21	52	111-121	SCOPUS
49	Sri. P. Uma Maheswar Rao	Experimental study on drilling force during drilling of AZ91D	Materials Today Proceedings	2020-21	44	305-308	SCOPUS
50	Dr. V.V. Kondaiah	Role of plunge depth on the joint formation and mechanical	Materials science and technology	2020-21	52	111-121.	SCOPUS
51	Dr. V.V. Kondaiah	Mechanical Behavior And Characterization of Stir Casted	International Journal of Mechanical and Production	2020-21	10	515-526	SCOPUS
52	Dr. V.V. Kondaiah	Corrosion Behaviour of Stir Casted AZ31 Magnesium	International Journal of Advanced Science and	2020-21	10	515-526	SCOPUS
53	Sri.S. Ravi Kumar	Review of Magnesium Metal Matrix Composites	Materials Science and Engineering	2020-21	29	. 2333-2345	SCOPUS
54	Sri.S. Ravi Kumar	Corrosion and tribological behavior of magnesium	AIP Conference Proceedings	2020-21	2259/020018	1-13	SCOPUS

55	Sri.S. Ravi Kumar	Condition monitoring of roller bearings	AIP Conference Proceedings	2020-21	2281/020001	1 - 8	SCOPUS
56	Dr. V.V. Kondaiah	Experimental Investigation Of Dry Sliding Wear Behaviour Of	Journal of Critical Reviews	2020-21	7	11-19	SCOPUS
57	Dr. V.V. Kondaiah	Micro Structural Properties of Stir Casted Az31 Magnesium	Jour of Adv Research in Dynamical & Control Systems,	2020-21	12	2315-2324	SCOPUS
58	Dr.M.Venkateswar Rao	Fabrication and Mechanical Characterization of Al 7050/	Materials Today: Proceedings	2020-21	39/4	1750-1753	SCOPUS
59	Dr.V.Aruna,Dr.M.V.SambasivaRao,L.Nageswara Rao	Influence of chromium ions on photonic applicability of	Optics communications	2020-21	480 (2021)126496		2.335
60	Dr.V.Aruna,Dr.A.RameshBabu,N.Sreeram,Dr.K.Ramakrishna	The eminence of copper ions on optical,electrical properties and	J.Non.Crystalline solids	2020-21	564/120844		4.458

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S.No.	Authors	Title of the paper	Name of the journal	Year	Volume and issue	Page No. (from - to)	Impact factor/ cite score
1	Dr. T Chandra Sekhar Rao	Effect of Type of Curing on Mechanical Properties	International journal of recent	2019	ISSN:2277-3872		0.205
2	U. Siva Rama Krishna	A case study on maintenance of	International Journal of	2020	1742629		7.1
3	Dr. Ch. N. Satish kumar	A Study On Concrete Mix With Quaternary Blended	Jordan Journal of Civil Engineering	2020	14(2)		0.262
4	P. Bapi Raju	An Experimental Investigation on	International Journal of	2019	10(5)	9-21	7.1
5	Dr.T.chandraSekharRao	Experimental Work on Structural Elements	International Journal of Recent	2019	7(6)	1951-1955	7.5
6	Krishna Kishore J, Prasada Rao K*,	Development and Validation of a Gas	Asian journal of pharmaceutical	2019	13(5), May 2020.		0.4
7	Bajivali Shaik, Mohan Seelam, Ramana Tamminana and	An Efficient Methodology for iodine catalized	International Journal of Recent	2019	8(13)		0.177
8	Rachael Natash Mary, Ronald Nazareth, Krishna Murthy Potla	Experimental and Theoretical Study of	Asian Journal of Chemistry,	2020	32 (4)	845-852	0.47
9	Nandini Shet, Ronald Nazareth, Krishna Murthy Potla, Suchetan P.	4-[[4- (Dimethylamino) benzylidene]amino]-5-	Asian Journal of Chemistry	2020			0.47
10	N.Kavitha, V.Srinivasa Rao, B.Chandra Mohan	Fuzzy based scheduling and load balancing for	Journal of Critical Reviews	Feb-20	7(4)	600-604	
11	N.Kavitha, V.Srinivasa Rao, B.Chandra Mohan	Load and Energy Aware Adaptive Zone Routing	International Journal of	Mar-20	29(3)	4465-4477	0.11
12	ChestiAltaff Hussain, K.V.Mahendra, K. Reddy Koushik,	A Retinal Image Enhancement Technique	Journal of Engineering,	Mar-20	10(3)	168	

13	Ramakrishna Guttula and Venkateswararao Nandanavanam	Analyzing the Design of the Octagonal Patch	International Journal on	Jan-20	11(1)	29-35	
14	Rama Krishna Guttula, Venkateswara Rao	Design and Analysis of Ultra-Wideband	International Journal of	Feb-20	29(2)	1265-1276	
15	Shaik Khaleelahmed and Nandhanavanam Venkateswararao	Energy Efficient Fractional Particle Swarm	International Journal of	Sep-19	8(11)	1933-1939	
16	Shaik Khaleelahmed, Nandhanavanam Venkateswararao	SALP Swarm Algorithm Based Priority Scheduling	International Journal Of	Sep-19	8(9)	1460-1467	
17	Rama Krishna Guttula and Venkateswararao Nandanavanam	A compact design of Ultra-Wide-band Antenna	International journal of	Sep-19	8(11)	3438-3442	
18	Padarti Vijaya Kumar, Venkateswara Rao	Performance analysis of OFDM-based massive	International Journal of Recent	Sep-19	8(3)	7161-7165	
19	Vijaya Kumar Padarti, Venkateswara Rao	Performance evaluation of coexistence of Wi-Fi	International Journal of	Aug-19	8(6)	2032-2037	
20	Dr.K.V.L.N.Acharyulu, Dr. N.Phani Kumar, G.Srikanth&O.Nagaraju	Special Ammensal Model with Monad Coefficient -	South East Asian J. of Mathematics	2020	16 & 1	97-104	0.15
21	Dr.K.V.L.N.Acharyulu, Dr. N.Phani Kumar, D.Chiranjeevi&D.Jaswanth,	Strong Commensalism with Monad Model - A	South East Asian J. of Mathematics	2020	16 & 1	143-150	0.15
22	Dr. N. Rafi, B. Ravi Kumar & M. Srujana	Normal ideals in pseudo-complemented almost	Algebraic Structures and	2020	7 & 2	147-161	0.48
23	P.Umamaheswarrao	A Brief Note on the Application of Surface	Materials Today: Proceedings	2019-20	18-7	3087-3090	Scopus
24	Sri. P. Uma Maheswar Rao	Achieving Optimal Parametric Combination	International Journal of Modern	2019-20	11-2	86-95	Scopus
25	Sri. P. Uma Maheswar Rao	Achieving optimal process parameters during Hard	Key Engineering Materials	2019-20	818	87-1	Scopus
26	Dr. V.V. Kondaiah	Corrosion Behaviour of Stir Casted AZ31	International Journal of	2019-20	29-5	2333-2345	Scopus
27	Dr.B.Ratna Sunil	Developing composite of ZE41 magnesium alloy-	Materials Today: proceedings ,	2019-20	18	270-277	Scopus
28	Dr.B.Ratna Sunil	Effect of heat treatment on microstructure, micro	Koroze A Ochrana Materiálu	2019-20	63-2	79-85	Scopus

29	Dr. D. Sameer Kumar	Effect of Tipmass on Frequency of Functionally	Journal of Xi'an University of	2019-20	12-6	5663-5668	Scopus
30	Dr. V.V. Kondaiah	MECHANICAL BEHAVIOR AND CHARACTERIZATION	International Journal of	2019-20	10-2	515-526	Scopus
31	Dr.MV Rao	Mechanical Characterization of Stir	Materials Today Proceedings	2019-20	21-2	1104-1110	Scopus
32	Dr.B.Ratnal Sunil	Microstructure, mechanical and corrosion	Materials Today: proceedings ,	2019-20	15	50-56	Scopus
33	Sri. P. Uma Maheswar Rao	Multi Objective Optimization of Joining	Materials Science Forum	2019-20	978	133-139	Scopus
34	Dr. T. Nancharaiah	Multi objective optimization of process	Materials Today: Proceedings	2019-20	26	696-700	Scopus
35	Dr. D. Sameer Kumar	Optimization of dry sliding wear properties of AZ91E/	International Journal of	2019-20	11-4	41-48	Scopus
36	Sri. D. Vijay Praveen	Optimization of machining parameters of	Materials Today: Proceedings	2019-20	23	495-498	Scopus
37	Dr. T. Nancharaiah	Optimization of process parameters in wire-cut	Materials Today: Proceedings	2019-20	23-3	642-646	Scopus
38	P.Umamaheswarrao	Optimizing Cutting Parameters in Hard	Journal of Mechanical and	2019-20	3-3	227-232	Scopus
39	Dr. D. Sameer Kumar	Performance Evaluation of Surface Modified Nano	Strojnícky časopis – Journal of	2019-20	70-1	29-38	Scopus
40	Sri.S. Ravi Kumar	Processing, micro structures and mechanical	MATERIALS TODAY PROCEEDINGS	2019-20	26-2	2629-2635	Scopus
41	Dr.B.Ratnal Sunil	Producing Al5083-CNT composites by friction stir	Materials Today: proceedings	2019-20	15	44-49	Scopus
42	Dr.B.Ratnal Sunil	Role of microstructure and secondary phase on	Materials Today: proceedings	2019-20	18	175-181	Scopus
43	Dr. V.V. Kondaiah	Surface Engineering of ZE 41 Mg Alloy by Friction	Materials Today: Proceedings	2019-20	18	125-131	Scopus
44	Sri. P. Uma Maheswar Rao	TOPSIS based Optimization of Process	Acta Mechanica Malaysia	2019-20	2-2	28-31	Scopus

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46	Dr.V.Aruna,Dr.A.Ramesh Babu	Efficacy of copper ions on lithium ion conductivity,	J.Non crystalline solids	2019-20	536 (2020) 120015		4.458
47	Dr.A.Ramesh Babu	Ascendancy of iron ions on lithium ion	J.Non crystalline solids	2019-20	533 (2020) 119906		4.458
48	V.V. Haribabu, Y.Chaitanya	Monetization of Coma patient and Health	Journal of Engineering	2019-20	Vol 11,Issue 3,	:275-282	7.155
49	Dr. M.V. Sambasiva Rao	Dielectric and spectroscopic	Materials Today Proceedings	2019-20	19(2019)2639-2644		2.59
50	Dr. M.V. Sambasiva Rao	Structural and spectroscopic	AIP Conference Proceedings 2115,	2019-20	2115, 030229 (2019)		0.189
51	Y.Chaitanya, V.V.Haribabu,	Microstructural, Crystal Growth, EDAX, FTIR	Journal of Xidian University	2019-20	VOLUME 14, ISSUE 5, 2020,	127 – 135	0.16
52	Y.Chaitanya, V.V.Haribabu,	Crystal Growth, Morphological, EDAX,	Journal of Xidian University	2019-20	VOLUME 14, ISSUE 4, 2020,:	402 – 408	0.16