

Bapatla Engineering College

Research papers indexed in SCI/SCIE (2023-24)

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 R L R Nagendra Prasad	Stormwater reuse for water-sensitive city – Integrated analysis of urban hydrology for efficient alternatives of Amaravati city,	Water Science and Technology	2023	Vol 88,issue12		2.43
2	Dr. Ch. Subramanyam	In silico molecular docking study and nano TiO ₂ -SiO ₂ catalyzed microwave facilitated synthesis of new bis(α-aminophosphonates) as potential anti-diabetic agents	Phosphorus, Sulfur, and Silicon and the Related Elements	2023	198(10)	808-821	1.3
3	Dr. Ch. Subramanyam	Ultrasound mediated nano ZnO catalyzed synthesis of new α-aminophosphonates as potential anti-diabetic agents; an in silico ADMET, molecular docking study, α-amylase and α-glucosidase inhibitory activity	Synthetic Communications	2023	53(23)	2041-2060	2.1
4	Chandrasekhar Rao Jetti, Tathababu Addepalli, Sreenivasa	Design and Analysis of Modified U-Shaped Four Element MIMO Antenna for Dual-Band	Micromachines	July 2023	14(8)	1545-1563	3.4

5	Vanga Karunakar Reddy, Sunil Babu Melingi, Ch. V. M. S.	Optimization Driven Spike Deep Belief Neural Network classifier: a deep-learning based	Artificial Intelligence Review	Sep-2023	56	2207-2233	12
6	Dr. T. Nancharaiah	Influence of post-heat treatment on microstructure, texture, and mechanical properties of 18Ni-300 maraging steel fabricated by using	Progress in Additive Manufacturing	2023-24	1/16	1-16	SCIE
7	Dr.Ch.Lakshmisrinivas	Flexural and impact response of bamboo and pineapple leaf fiber reinforced composites using experimental and numerical	International Journal on Interactive Design and Manufacturing	2023-24	1/13	1-13	ESCI
8	Dr.Ch.Lakshmisrinivas	A contrastive characterization of pure Mg and AZ91D alloy based on the testing of mechanical, corrosion, wear, and erosion	Engineering Research Express	2023-24	6/1	015017	ESCI
9	Dr.B.Ratna Sunil	Role of processing temperature on microstructure, mechanical properties and corrosion behavior of fine grained AZ31 magnesium	Materialwissenschaft und Werkstofftechnik	2023-24	54/7	897-904	SCIE
10	Dr.B.Ratna Sunil	A review on strategies to enhance the performance of the titanium based medical implants	Materials Today Communications	2023-24	38	107985	SCIE
11	Dr.B.Ratna Sunil	Temperature-dependent wear characteristics of ZE41 magnesium alloy under air and inert environments	Materialwissenschaft und Werkstofftechnik	2023-24	54/12	1736-1744	SCIE

12	Dr.B.Ratna Sunil	Influence of Surface Finish on the Dry Sliding Wear and Electrochemical Corrosion Behaviour of 316L Stainless Steel.	Journal of Mines, Metals & Fuels	2023-24	71-9	71/9	SCIE
13	Dr.B.Ratna Sunil	The role of heat treatment on the in vitro degradation and corrosion-initiated failure of the biodegradable Mg–Zn–RE alloy	Canadian Metallurgical Quarterly	2023-24	In press	In press	SCIE
14	Dr.B.Ratna Sunil	In vitro degradation studies on Mg-Zn-CeO ₂ composites for biodegradable implant applications	Biointerface. Res. Appl. Chem	2023-24	In press	In press	ESCI/Scopus
15	Dr.B.Ratna Sunil	Significance of Phosphate Nano-Fertilizers Foliar Application: A Brief Real-Field Study of Quantitative, Physiological	Agronomy	2023-24	13-10	2606	SCIE
16	Lt. Y.Narendra Babu	Characterization and evaluating the mechanical performance of halloysite nanotubes reinforced acrylonitrile butadiene	Materialwissenschaft und Werkstofftechnik	2023-24	51/4	81-89	SCIE
17	Dr.A.Praveen	Optimization of biodiesel yield and performance investigations on diesel engine powered with hydrogen and acetylene gas	International Journal of Hydrogen Energy	2023-24	50	502-523	SCIE
18	Dr.A.Praveen	Experimental Investigations on NO _x Reduction Using Antioxidant Additives in Conjunction with SCR in a Diesel Engine Powered by	SAE Technical Paper	2023-24	2023-28	0059	ESCI/SCOPUS

19	Dr.A.Praveen	Performance Emission Parameters Behavior of a DI Diesel Engine Using Al ₂ O ₃ and TiO ₂ Nano Additive Biodiesel Blends	SAE Technical Paper	2023-24	2023-28	0127	ESCI /SCOPUS
20	Sri. P.Umamaheswar Rao	Multi objective optimization of process parameters in hard turning of AISI 52100 steel with surface irregularities using GRA-	Engineering Research Express	2023-24	5/4	045010	ESCI
21	Dr.D.Vijay Praveen	WEDM PARAMETRIC STUDY OF AA7075/6 wt.% Ni-COATED Al ₂ O ₃ (P) COMPOSITE MINIATURE GEARS	COMPOSITES THEORY AND PRACTICE	2023-24	2/2023	89-86	ESCI

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1	Dr V. Venkateswarlu	Wave transformation due to finite floating elastic plate with abrupt change in bottom	Ships and Offshore Structures	2021	Vol.17(8)	1824-1842	1.934
2	Dr V. Venkateswarlu	Iterative Dual Boundary Element Analysis of a Wavy Porous Plate near an Inclined Seawall	Ocean Engineering	2021	Vol.235		4.372

3	Dr V. Venkateswarlu	Bragg Scattering of Surface Gravity Waves by an Array of Submerged Breakwaters and a	Wave Motion	2021	Volume106	10-807	2.4
4	Dr V Venkateswaralu	Gravity wave scattering by retrofitted circular breakwaters using dual boundary integral	Ocean Engineering	2022	Vol.265	112259	4.372
5	Dr. T Chandra Sekhar Rao	"Shear strength of Graded Steel fibre reinforced Self-compacting Concrete	Journal of Hunan University Natural Sciences(web of science)	2022	Vol.18		0.243
6	Dr V. Venkateswarlu	Wave transformation due to finite floating elastic plate with abrupt change in bottom	Ships and Offshore Structures	2021	Vol.17(8)	1824-1842	1.934
7	D. Ravikumar, Ch. Subramanyam, Ch. Venkataramaiah, W.	Synthesis, spectral characterization and anti-diabetic activity evaluation of	Indian Journal of Chemistry	2021-22	61, Jan 2022,	60-68	0.456
8	Meson Haji Basha, Chennamasetty Subramanyam, Sogurthi Someswara Rao, and	Nano TiO ₂ .SiO ₂ catalyzed, microwave assisted synthesis of new α -aminophosphonates as potential anti-diabetic agents: In	Organic Communications	2021-22	15(2), April, 2022		1.7
9	Dr. Ch. Subramanyam	In silico molecular docking study and nano TiO ₂ -SiO ₂ catalyzed microwave facilitated synthesis of new bis(α -aminophosphonates) as potential anti-diabetic agents	Phosphorus, Sulfur, and Silicon and the Related Elements	2023	198(10)	808-821	1.3

10	Dr. Ch. Subramanyam	In silico ADMET, molecular docking study, and nano Sb ₂ O ₃ -catalyzed microwave-mediated synthesis of new α -aminophosphonates as potential	Main Group Metal Chemistry	2022	45(1)	225-41	2.1
11	PPM Prasad, N. Kanagasabai, P.Surendrakumar	Automatic Fertilizer Dispenser Robot using IoT	TELEMATIQUE (telecommunications and computing)	Sep-22	21(1)	3133-3142	1
12	PPM Prasad, N. Kanagasabai, P.Surendrakumar	Automatic Fertilizer Dispenser Robot using IoT	TELEMATIQUE (telecommunications and computing)	Sep-22	21(1)	3133-3142	1
13	VijayaBhaskar Adusumilli, Venkatesh TG	Traffic Characterization based Stochastic Modelling of Network-on-chip	IEEE Transactions on Computers	Apr-23	72(4)	1215-1222	3.7
14	Addepalli T, Kumar MS, Jetti CR, Gollamudi NK, Kumar BK, Kulkarni J.	Fractal Loaded, Novel, and Compact Two-and Eight-Element High Diversity MIMO Antenna for 5G Sub-6 GHz (N77/N78 and N79) and WLAN Applications, Verified	Electronics	Jan-23	12(4)	952-974	2.9

15	K. Bagadi, Ch V Ravikumar, Alibakhshikenari M, Challa, Nagaraj and Rajesh, Anbazhagan	Precoded large scale multi-user-MIMO system using likelihood ascent search for signal detection	Radio Science	Dec. 2022	57(12)	1-12	1.6
16	Enaul Haq Shaik, Balagopendra Rao Mannava, Mahaboob Subani Shaik, and Nakkeeran	QCA-Based Pulse/Bit Sequence Detector Using Low Quantum Cost D-Flip Flop	Journal of Circuits, Systems, and Computers	Oct-22	32(5)	1-10	1.5
17	ChittettiVenkateswarlu, Nandanavanam Venkateswara Rao	An Efficient MAPSO Model for Interference Cancellation and Optimal Channel Estimation in MIMO-OFDM System	Wireless Personal Communications	Aug-22	128	283-307	2.2
18	ChittettiVenkateswarlu, Nandanavanam Venkateswara Rao	Optimal channel estimation and interference cancellation in MIMO-OFDM system using MN-based improved AMO model	The Journal of Supercomputing	Jul-22	78	3402-3424	3.3
19	Dr. Pappula Sampath Kumar	The effect of stir-squeeze casting process parameters on mechanical property and density of aluminum matrix composite	Advances in material sciences and engineering	2022-2023	2022,10	1-10	2.098
20	Dr. D. Sameer Kumar	Flapwise vibration of functionally graded rotating tapered beam with tipmass	Sigma Journal of Engineering and Natural Sciences	2022-23	40	640-648	SCIE

21	Mr.D.Vijay Praveen	Microstructural, Mechanical and Wear Characterization of AA-2219/Si3N4/ZrO2/Graphite Hybrid Composites for Automotive Applications	SILICON	2022-23	15	5283-5291	SCIE
22	Dr.B.Ratna Sunil	A review on developing high performance ZE 41 magnesium alloy by using bulk deformation and surface modification	Journal of Magnesium alloys	2022-23	11(3)	776-800	SCIE
23	Dr.B.Ratna Sunil	Wear and corrosion behaviour of the cryogenically treated tungsten carbide coatings	Surface Engineering	2022-23		In Press	SCIE
24	Dr.B.Ratna Sunil	Reciprocating sliding wear behaviour of the heat-treated WC-12Co coatings	I Mech E Part J: Journal of Engineering Tribology	2023	237(4)	798-807	SCIE
25	Dr.B.Ratna Sunil	Temperature-dependent wear characteristics of ZE41 magnesium alloy under air and inert environments	Material Science and Engineering Technology	2023		In Press	SCIE
26	Dr.B.Ratna Sunil	Role of processing temperature on microstructure, mechanical properties, and corrosion behavior of fine grained AZ31 magnesium alloy produced by groove pressing	Material Science and Engineering Technology	2023		In Press	SCIE

27	Dr.B.Ratna Sunil	Effect of inert environment on the sliding wear behaviour of the HVOF sprayed WC-12Co Coating	International Journal of Refractory Metals and Hard materials	2022-23	111	106109	SCIE
28	Dr.B.Ratna Sunil	Tribological Characteristics of WC-12Co coating sliding against SiC and SiN Counter balls	SILICON	2022-23	15(8)	1-10	SCIE
29	Dr.S.Krugon	Microstructural, Mechanical and Wear Characterization of AA-	SILICON	2022-23	15	5283-5291	SCIE
30	Dr.T.Nancharaiah	Experimental optimization on mechanical properties of 18Ni-300 maraging steel produced by direct metal laser sintering	Engineering Research Express	2022-23	5-1	015073	SCIE
31	M.Venkateswara Rao	Hardness and dry sliding wear behavior of Al7050 Hybrid composites produced by Stir casting	Composite theory and Practice	2022-23	22-3	150-159	ESCI
33	Dr.M.Venkateawara Rao	Application of Artificial Neural Networks and Genetic Algorithm for Optimizing Process Parameters in Pocket Milling of	Journal of scientific and industrial research	2022-23	81/9	911-921	SCIE
34	Dr.M.Venkateawara Rao	Multi-Response Optimization of Process Parameters in Pocket	Journal of Information &	2022-23	21-02	2250026	ESCI

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1	Dr. V. Venkateswarlu	Oblique wave interaction with a two-layer pile-rock breakwater placed on elevated bottom	Ships and Offshore Structures	2021	Vol 17	852_865	1.934
2	Dr. V. Venkateswarlu	Wave Scattering by inverted Trapezoidal Porous Boxes using Dual Boundary Element Method	Ocean Engineering	2021	Volume219	108-149	4.372
3	Dr. V. Venkateswarlu	Wave trapping efficiency of a flexible membrane near a partially reflecting seawall	Journal of Offshore Mechanics and Arctic Engineering, Transactions of American Society of Mechanical Engineers, ASME	2021	Volume143	051302-1	1.76

4	Priyadarshini Pullagura, Hanumantha Rao Addanki, Madhava Rao Vallabhaneni, Subramanyam Chennamsetty, Someswara Rao Sagurthi&	AN IN SILICO ADMET, MOLECULAR DOCKING STUDY AND MICROWAVE-ASSISTED SYNTHESIS OF NEW phosphorylated derivatives of thiazolidinedione as potential anti-diabetic agents	SYNTHETIC COMMUNICATIONS	2022	52:2	300-315	1.937
5	Dr. K. PrasadaRao, Dr. Ch. Subramanyam	Synthesis, spectral characterization and anti-diabetic activity evaluation of phosphoramidate derivatives	Indian Journal of Chemistry	2022	61	60-68	0.5
6	Dr. Ch. Subramanyam	Nano TiO ₂ .SiO ₂ catalyzed, microwave assisted synthesis of new α -aminophosphonates as potential anti-diabetic agents: In silico ADMET and molecular docking study	Organic Communications	2021	14(2)	121-132	0.6
7	Dr. Krishna Murthy Potla	Schiff Bases derived from Triazoles as Corrosion Inhibitors for Maraging Steel in Acid Mixtures: Experimental and Theoretical studies, Polycyclic Aromatic Compounds	Letters in Organic Chemistry	2020	17(5)		

8	Dr. Krishna Murthy Potla	Structural, spectroscopic, and in silico studies of 3-(dimethylamino)-1-(thiophen-2-yl)propan-1-ol: A potential anti-depressant agent	Journal of Molecular Structure,	2021,	1250(9)	13185.	3.8
9	Dr. Krishna Murthy Potla	Antiproliferative Effects of Olanzapine against MCF-7 Cells and Its Molecular Interactions with Survivin, International Journal of	Pharmacology, Neurological Diseases,	2022.	12(2)	72-78,	0.18
10	Dr. Krishna Murthy Potla	Design and synthesis of novel 1,3,2-benzoxazaphosphinine-2-one derivatives: an in vitro biological evaluation and in silico approaches,	Phosphorus, Sulfur, and Silicon and the Related Elements. 548-558	2021	196(6),	548-558	1.05
11	Poojith N., Kigga M., John Rose J., Potla K.M., Vankayalapati S., Chinnam S., Adimoole S.P.,	Structural, spectroscopic, and in silico studies of 3-(dimethylamino)-1-(thiophen-2-yl)propan-1-ol: A potential antidepressant agent	Journal of Molecular Structure,	15 Feb 2022	1250(3)	131859.	3.8
12	Chakravarthi, M.V.N. and Chandramohan, B	Calibration of Offsets in Time interleaved ADCs in an OFDM Receiver Using Differential Evolution Algorithm	Optoelectronics, Instrumentation and Data Processing	2021, October	57	287-296	0.4

13	Chakravarthi, M.V.N. and Chandramohan, B	Calibration of mismatches in time interleaved ADCs using Teacher Learner Based Optimization Algorithm	Journal of Circuits, Systems and Computers	2022, May	31(9)	1-10	1.5
14	Chakravarthi, M.V.N. and Chandramohan, B	Optimization Algorithms based compensation of mismatches in Time interleaved Analog to Digital Converters - A Review	International Journal of Electrical and Computer Engineering Systems	2022, May	13(3)	237-244	
15	Melingi Suneel Babu, Ashok Kumar, Karunakar Reddy, Ch.VMSN. Pavan	A Bio-inspired Alex-Net-DrpXLm archetype for an effective brain stroke lesion detection and classification	Journal of concurrency and computation- Wiley Publication	Apr-22	34(21)	1-10	4.2
16	DBV Ravi shankar, Nandanavanam Venkateswara rao	Ensemble Classifier with Heterogenous Fusion Center for Cooperative Spectrum Sensing in Cognitive Radio	Journal of Interconnection Networks	Dec-21	22(1)	1	0.7

17	KhaleelahmedSk, Nandanavanam Venkateswara rao	An Approach for Energy-Efficient Power Allocation in MIMO–NOMA System	International Journal of Electronics	22-Jun	109(6)	953-970	1.3
18	Dr.B.vijaykrishna	Modelling, simulation and effective controller for KY stepping up converter	Modelling and simulation in engineering	2021-2022	2021,5	147-155	0.307
19	Dr. B. Ratna Sunil	Developing Zn-MgO composites for degradable implant applications	Materials Letters	2021-22	302	130433	SCIE
20	Dr. B. Ratna Sunil	Surface functionalized titanium with enhanced bioactivity and antimicrobial properties through surface engineering strategies for bone implant applications	Current Opinion in Biomedical Engineering	2021-22	23	100398	SCIE
21	Dr. B. Ratna Sunil	Carbide-based thermal spray coatings: A review on performance characteristics and post-treatment,	International Journal of Refractory Metals and Hard Materials	2021-22	103	105772	SCIE
22	Dr. B. Ratna Sunil	Ravikumar Dumpala, Effect of inert gas environment on the sliding wear behavior of AZ91/B ₄ C surface composite	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	2021-22	236(9)	1880-1888	SCIE

23	Dr. D. Sameer Kumar	Preparation And Characterization Of Electroless Ni Coated Nano Alumina Powder Under Different Sensitization – Activation Conditions	Metallurgical and Materials Engineering Association of Metallurgical Engineers of Serbia AMES	2021-22	27	275-287	ESCI, WEB OF SCIENCE
24	Dr. D. Sameer Kumar	Effectiveness of Shannon Entropy Weight Method on Wear Behaviour Of Polyester/Carbon Fibre Composites Using GRA	Annales de Chimie – Science des Matériaux	2021-22	46	9-17	ESCI, WEB OF SCIENCE

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1	Srinivasa rao Nathani	Domino Intra and Inter Molecular C-N Cross-Coupling Reaction: The Construction of 2-(N-Phenylamino)benzothiazoles .	Phosphorus, Sulfur, and Silicon and the related elements	2021	196	559–568	1.052
2	Bajivali Shaik, Mohan Seelam, Ramana Tamminana and Prasad Rao Kammela	Iodine-Mediated Multi-Component Reactions: Readily Access to Tetrazoles and	Letters in Organic Chemistry	2020	18(5), May, 2021,	382-388	0.797
3	Dr. V. Madhavarao, Dr. Ch. Subramanyam, P. Priyadarsini	Simple, effective synthesis and molecular docking studies of 2-styrylchromenes	Organic Communications	2021	14(2)	121-132	0.6

4	Dr. Ch. Subramanyam	In silico molecular docking study, synthesis and α -amylase inhibitory activity evaluation of phosphorylated derivatives of	Phosphorus, Sulfur, Silicon and the Related Elements	2021	196	1010-1017	1.3
5	Dr. Ch. Subramanyam	Synthesis, α -amylase inhibitory activity evaluation and in silico molecular docking study of some new phosphoramidates containing heterocyclic ring	Phosphorus, Sulfur, Silicon and the Related Elements	2021	196	389-397	1.3
6	Dr. K. PrasadaRao, Dr. Ch. Subramanyam	ultrasound-promoted solvent-free synthesis of some new A - aminophosphonates as potential antioxidants	Main Group Met. Chem	2020	43	147-153	2.1
7	Potla K.M., Poojith N., Osório F.A.P., Valverde C., Chinnam S., Suchetan P.A.	An analysis of spectroscopic, computational and biological activity studies of L-shaped sulfamoylbenzoic acid derivatives: A third order nonlinear optical material	Journal of Molecular Structure	2020,	1210	128070	3.8
8	Kavitha C., Narendra K., Ratnakar A., Poojith N., Sampath C., Banik S., Suchetan P.A., Potla K.M., Naidu N.V	An analysis of structural, spectroscopic signatures, reactivity and anti-bacterial study of synthesized 4-chloro-3-sulfamoylbenzoic acid	Journal of Molecular Structure,	15 February 2020,	1202	127176.	3.8
9	Patnala H., Abbo H.S., Potla K.M., Titinchi S.J.J., Chinnam S.	Polyethylene glycol (PEG-400): An efficient one-pot green synthesis and anti-viral activity of novel α -diaminophosphonates	Phosphorus, Sulfur and Silicon and the Related Elements, -	2019	Volume 194(11)	1035-1039.	1.05

10	Krishna Murthy Potla	Y-shaped potential third-order nonlinear optical material – 3-(2-amino-2-oxoethyl)-5-methyl hexanoic acid: an analysis of structural, spectroscopic and	New Journal of Chemistry,	2020,	44,	18185-18198	3.4
11	Guttula, R., Nandanavanam, V.R. & Satyanarayana	Design and Optimization of Microstrip patch Antenna via Improved Metaheuristic Algorithm	Wireless Personal Communications	Jun-21	120	1721-1739	2.2
12	Suneel Miriyala and M.Satya Sairam	Improving Privacy and Security in SDN Manet using Hybrid encryption and decryption techniques	Microprocessor and Microsystems	Nov-20			
13	ChittettiVenkateswarlu, Nandanavanam Venkateswara Rao	Optimal channel estimation and interference cancellation in MIMO-OFDM system using MN-based improved AMO model	The Journal of Supercomputing	Jun-21	78	3402–3424	3.3
14	Dr. D. Sameer Kumar	A study on the impact and fatigue failure of AZ91E–Ni coated alumina composites	CANADIAN METALLURGICAL QUARTERLY	2020-21	59	316-323	ESCI
15	Dr. B. Ratna Sunil	Machining characteristics, wear and corrosion behavior of AZ91 magnesium alloy - fly ash composites produced by friction stir processing.	Material Science and Engineering Technology	2020-21	52(1)	88-99	SCIE

16	Dr. B. Ratna Sunil	Synthesis, characterization and antimicrobial properties of strontium substituted hydroxyapatite	Journal of the Australian Ceramic Society	2020-21	57	195-204	SCIE
17	Dr. B. Ratna Sunil	Role of plunge depth on the joint formation and mechanical behavior of Al6063 AZ91 dissimilar lap joint produced by friction stir welding.	Material Science and Engineering Technology	2020-21	52(1)	111-121	SCIE
18	Dr. B. Ratna Sunil	Zinc substituted hydroxyapatite: Synthesis, structural analysis and antimicrobial behaviour	Transactions of the Indian Institute of Metals	2020-21	74	2335–2344	SCIE
19	Dr. B. Ratna Sunil	Tuning the Morphology and State of Aggregation of Fullerene C60 Using Non-ionic Surfactants	Colloid Journal	2020-21	83(4)	474–482	SCIE
20	Dr. B. Ratna Sunil	Investigation on the role of microstructure and temperature on tribological characteristics of fine grained ZE41 Mg alloy	Tribology - Materials, Surfaces & Interfaces	2020-21	16	68-75	SCIE
21	Dr. B. Ratna Sunil	Effect of inert gas environment on the sliding wear behavior of AZ91/B4C surface composite	Journal of Engineering Tribology	2020-21	236(9)	1880-1888.	SCIE
22	Sri.S. Ravi Kumar	Investigation of Microstructures, Mechanical Properties of AZ91E Hybrid Composite Reinforced with Silicon Carbide and Fly Ash	SILICON	2020-21	13	2145–2156	SCIE

23	Sri. D. Vijay Praveen	Assessment of Optimal Parameters of Wire EDM on Ni-Coated Al ₂ O ₃ p/ AA7075 MMCs Using PCA Coupled GRA	Arabian Journal of science and technology	2020-21	48	7953-7966	SCIE
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1	Pullagura Priyadarsini, Vallabhaneni Madhavarao, and Bodepudi Sudheer Chowdary	SYNTHESIS, CHARACTERIZATION, ANALGESIC AND ANTI-INFLAMMATORY ACTIVITY OF NEW PYRAZOLE DERIVAT	ARKIVOC	2020	part vi	376-385	0.689
2	Meson Haji Basha, Chennamasetty Subramanyam, Kammela Prasada rao	ultrasound-promoted solvent-free synthesis of some new A - aminophosphonates as potential antioxidants	Main Group Met. Chem	2019	43, Aug, 2020,	147-153.	0.313
3	B. Sujatha, Ch. Subramanyam, Ch. Venkataramaiah, W. Rajendra and K. Prasada Rao	Synthesis, spectral characterization and molecular docking studies of phosphonates containing thiazolidinedione moiety	Journal of Phosphorus, Sulphur, Silicon and the Related Elements	2019	195(7), March, 2020,	586-591	1.052

4	Sk Baji Vali, S. Mohan, Ramana T, K Prasada Rao	Copper promoted C-S and C-N cross-coupling Reactions:The synthesis of 2-(N-Arylamino)benzothiazoles	Tetrahedron	2019	75(29)	3865-3874	2.388
5	Dr. Ch. Subramanyam	Synthesis, spectral characterization and bioactivity evaluation of sulfonamide derivatives of p-nitrobenzene sulfonylchloride	Indian journal of Chemistry Section-B	2019	58B	1375-1383	0.6
6	Dr. K. PrasadaRao, Dr. Ch. Subramanyam	Synthesis, spectral characterization and molecular docking studies of phosphonates containing thiazolidinedione moiety	Journal of Phosphorus, Sulphur, Silicon and the Related Elements	2020	195(7)	586-591	1.3
7	Ch. Kavitha, K. Narendra, A.Ratnakar, Nuthalapati Poojith, C.Sampath, SubrataBanik, P.A.Suchetan, Krishna Murthy Potla	An analysis of structural, spectroscopic signatures, reactivity and anti-bacterial study of synthesized 4-chloro-3-sulfamoylbenzoic acid	j.mol.struc.	2020	2019.	127-176	3.8
8	T.Tirupal, B.Chandra Mohan, S.Srinivas Kumar	Multimodal Medical Image Fusion Techniques – A Review	Journal of Current Signal Transduction	Jan-20	16(2)	142-163	2
9	Hussain, C.A., Rao, D.V. & Mastani, S.A.	RetrieveNet: “A novel deep network for medical image	<u>Evolutionary Intelligence</u>	Apr-20	14	1449-1458	2.6
10	Chandra Mohan Bhuma, Pallaviram sure, Narendra babu	Sparse Bayesian Learning Assisted Approaches for Road	IEEE Transactions on Intelligent	Feb-20	22(3)	1733 - 1741	8.5

11	Rama Krishna Guttula and Venkateswararao Nandanavanam	Patch Antenna Design optimization using opposition	Data technologies and Applications	Jan-20	54(1)	103-120	1.9
12	Shaik Khaleelahmed and Nandhanavanam Venkateswara Rao	Energy Efficient Power Allocation Using Salp Particle Swarm Optimization Model in MIMO-NOMA Systems	Wireless Personal Communications	Jan-20	111	1235-1254	2.2
13	Rama Krishna Guttula and Venkateswararao Nandanavanam	Mutation probability based Lion Algorithm for design and optimization of Microstrip Patch antenna	Evolutionary Intelligence	Sep-19	13	331-344	2.6
141	Anchupogu Praveen	The combined effect of multi walled carbon nanotubes and exhaust gas recirculation on the performance and emission characteristics of a diesel engine	International Journal of Ambient Energy	2019-20	40-8	791-799	ESCI
15	Anchupogu Praveen	Influence of nano additive Chlorella vulgaris microalgae biodiesel blends on the performance and emission characteristics of a DI diesel	International Journal of Ambient Energy	2019-20	43-1	2071-2077	ESCI
16	Sri. S. Vijay	A comparative investigation of hardness and compression strength of Nickel coated B4C reinforced 601AC/201AC selective layered functionally graded materials	Materials Research Express	2019-20	7	1-15	SCIE

17	Sri. S. Vijay	Dry slide wear behavior of 601AC/B4C Selective layered functionally graded material with particulate Ni-P coating	Materials Research Express	2019-20	6	1-21	SCIE
18	Dr.B.Ratna Sunil	Effect of grain refinement on corrosion rate, mechanical and machining behavior of friction stir processed ZE41 Mg alloy	Transactions of the Indian Institute of Metals	2019-20	72	123-132	SCIE
19	Dr.B.Ratna Sunil	Effect of heat treatment on the hardness and wear characteristics of NiCrBSi laser clad deposited on AISI410 stainless steel	Materials Research Express, (IOP, SCI)	2019-20	6-8	086524	SCIE
20	Dr.B.Ratna Sunil	Hardness and sliding wear characteristics of AA7075-T6 surface composites reinforced with B4C and MoS2 particles	Materials Research Express	2019-20	6-8	086589	SCIE
21	Sri. D. Vijay Praveen	Influence of nickel coating of Al2O3(P) reinforced AA-7075 metal matrix composites on hardness, impact strength and tensile properties	Materials Research Express	2019-20	12	126537	SCIE
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