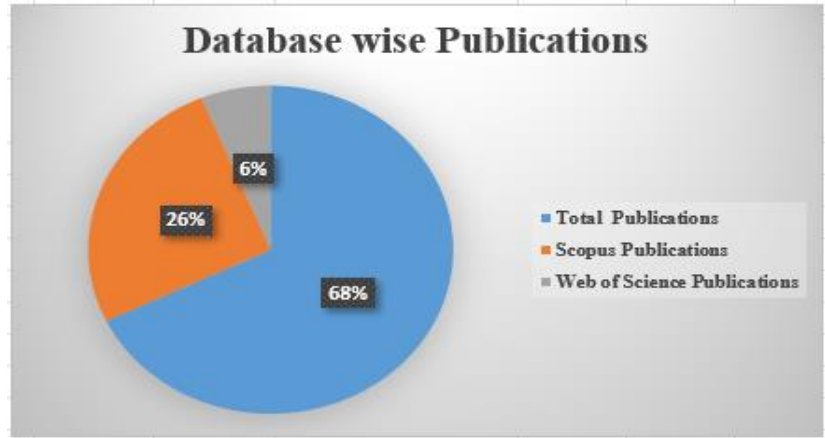
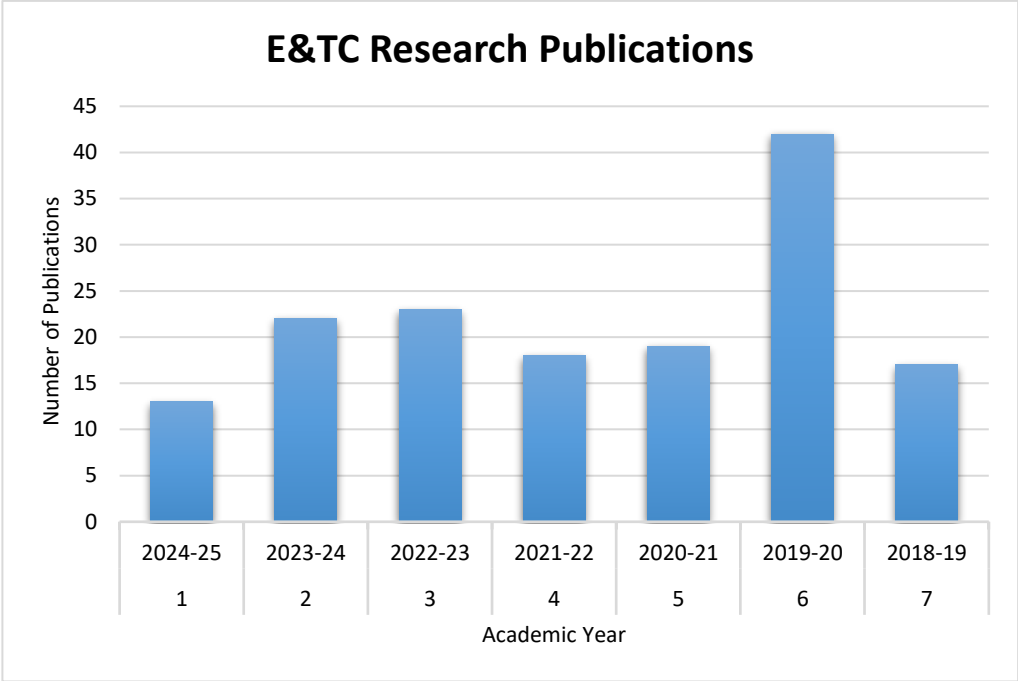


Bharati Vidyapeeth (Deemed to be University)
College of Engineering, Pune-43
Department of Electronics & Telecommunication Engineering

Sr.No.	Academic Year	Total Publications	Scopus Publications	Web of Science Publications
1	2024-25	13	13	2
2	2023-24	22	21	3
3	2022-23	23	4	1
4	2021-22	18	4	3
5	2020-21	19	3	2
6	2019-20	42	10	0
7	2018-19	17	4	3
Total		154	59	14



Academic Year 2024-25

S.No.	Title of paper	Name of the author/s	Name of journal	Volume & Issue	Page Number	Month & Year of publication	ISSN number	Link for Scopus indexing
1	Design and Performance of Dual Band Microstrip Nano-Fractal Patch Antenna	Kadam, Sudhir Gurav, Sachin Patil, Vishal Jadhav, Pramod Prabhakar A.Y. Thorat, Harshda Suresh	Nanotechnology Perceptions	Volume 20, Issue S8,	Pages 1221 - 1230	Jul-24	16606795	https://www.scopus.com/record/display.uri?eid=2-s2.0-85203092143&origin=resultslist
2	Design and experimental analysis of a closed-loop autonomous rotary hydroponics system for revolutionizing fenugreek yield and enhancing food security	Kadam, Sudhir A. Kadam, Payal S. Mohite, Dadaso D	Discover Sustainability	Volume 5, Issue 1	NA	Dec-24	26629984	https://www.scopus.com/record/display.uri?eid=2-s2.0-85197253921&origin=resultslist
3	Pressure Controlled Massager a Paradigm in Biomedical Instrument Systems	Kadam, Sudhir Patil, Vishal Gurav, Sachin Prabhakar A. Mane, Snehal C. Deshmukh, Pooja V.	SSRG International Journal of Electrical and Electronics Engineering	Volume 11, Issue 8,	Pages 25 - 35	Aug-24	23488379	https://www.scopus.com/record/display.uri?eid=2-s2.0-85204559659&origin=resultslist
4	Optimized Squared Cosine Pulse Shaping of GFDM with Improved Hippopotamus Optimization for 5G and Beyond Applications	Ray, Deepak Kumar Oza, Shruti	SSRG International Journal of Electrical and Electronics Engineering	Volume 11, Issue 11,	Pages 150 - 159	Nov-24	23488379	https://www.scopus.com/record/display.uri?eid=2-s2.0-85211626702&origin=resultslist

5	Species identification for Indian seafood markets: A machine learning approach with a fish dataset	Paygude, Priyanka Send mail to Paygude P.; Shinde, Namita Dhumane, Amol Navale, Geeta S. Chavan, Prashant Kathole, Atul Bidve, Vijaykumar	Data in BriefThis link is disabled.,	Volume 58	NA	February 2025	111209	https://www.scopus.com/record/display.uri?eid=2-s2.0-85212056417&origin=resultslist
6	Secured and energy efficient cluster based routing in WSN via hybrid optimization model, TICOA	View more Shinde, Namita K. Patil, Vinod H.	Sustainable Computing: Informatics and Systems	Volume 44	NA	Dec-24	22105379	https://www.scopus.com/record/display.uri?eid=2-s2.0-85209350857&origin=resultslist
7	Optimizing Educational Interaction: An Advanced Real-Time Attention Recognition in Online Education Environment	Shinde, Namita Jakhete, Mayur Dilip Shinde, Shekhar Vyas, Archana Karhe, Rajesh Ramdas Malik, Neeru Deshmukh, Pooja Chaudhary, Kedarnath	International Journal of Engineering Trends and Technology	Volume 72, Issue 8,	Pages 378 - 3881	Aug-24	23490918	https://www.scopus.com/record/display.uri?eid=2-s2.0-85202527564&origin=resultslist
8	Multi-stage biomedical feature selection extraction algorithm for cancer detection	Keshta, Ismail Deshpande, Pallavi Sagar Shabaz, Mohammad Soni, Mukesh Bhadla, Mohit kumar Muhammed, Yasser	Discover Applied Sciences	Volume 7, Issue 1	NA	Jan-25	30049261	https://www.scopus.com/record/display.uri?eid=2-s2.0-85212178369&origin=resultslist
9	Development of Functional Test Cases Using FSM and UML Activity Diagrams for MDT	Patil, Vinod H. Deepak A. Sharma, Himanshu Lavanaya Vaishnavi D.A. Aswal, Upendra Singh Bajaj K.K. Shrivastava, Anurag	International Journal of Intelligent Systems and Applications in Engineering	Volume 12, Issue 14s,	Pages 12 - 212	Feb-24	21476799	https://www.scopus.com/record/display.uri?eid=2-s2.0-85184681633&origin=resultslist

10	Design of Software Reliability Growth Model for Improving Accuracy in the Software Development Life Cycle (SDLC)	Kadam, Amol K. Krishna, Konda Hari Varshney, Neeraj Deepak A. Pokhariya, Hemant Singh Hegde, Sandeep Kumar Patil, Vinod H	International Journal of Intelligent Systems and Applications in Engineering	Volume 12, Issue 1s	, Pages 38 - 50	2024	21476799	https://www.scopus.com/record/display.uri?eid=2-s2.0-85173692998&origin=resultslist
11	Towards efficient knowledge extraction: Natural language processing-based summarization of research paper introductions	Chaudhari, Nikita Vora, Deepali Kadam, Payal Khairnar, Vaishali Patil, ShrutiKotecha, Ketan	IAES International Journal of Artificial Intelligence	Volume 14, Issue 1,	Pages 680 - 691	Feb-25	20894872	https://www.scopus.com/record/display.uri?eid=2-s2.0-85211240824&origin=resultslist
12	Behavioral profiling for adaptive video summarization: From generalization to personalization	Kadam, Payal Vora, Deepali Patil, Shruti Mishra, Sashikala Khairnar, Vaishali	MethodsX	Volume 13	NA	Dec-24	22150161	https://www.scopus.com/record/display.uri?eid=2-s2.0-85196363958&origin=resultslist
13	AI-driven video summarization for optimizing content retrieval and management through deep learning techniques	Vora, Deepali Kadam, Payal Mohite, Dadaso D Kumar, Nilesh Kumar, Nimit Radhakrishnan, Pratheek Bhagwat, Shalmali	Scientific Reports	Volume 15, Issue 1	Article number 4058	Feb-25	20452322	https://www.scopus.com/record/display.uri?eid=2-s2.0-85217849100&origin=recordpage

Academic Year 2023-24

1	Advanced lifting wavelet transform and V-degree polynomial-based channel estimation in MIMO-GFDM	Deepak Kumar Ray, Shruti Oza	International Journal of Communication Systems	Volume 37 issue 7	5672	1-Dec-23	1099-1131	https://www.scopus.com/record/display.uri?eid=2-s2.0-85178399846&origin=resultslist
2	Combining Handcrafted Features and Deep Learning for Automatic Classification of Lung Cancer on CT Scans	Pallavi Deshpande	Journal of Artificial Intelligence and Technology	volume 4 issue 2	102-113	24/11/2023	2766-8649	https://www.scopus.com/record/display.uri?eid=2-s2.0-85193017466&origin=resultslist

3	A novel reversible gate and optimised implementation of half adder, subtractor and 2-bit multiplier	Ajay Kumar Kushwaha	Analog Integrated Circuits and Signal Processing	117	171-186	24/12/2023	1573-1979	https://www.scopus.com/authid/detail.uri?authorId=57188978332
4	Speaker Recognition Using Convolutional Autoencoder in Mismatch Condition with Small Dataset in Noisy Background	Ajay Kumar Kushwaha	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering	536	318-330	5/1/2024	1867-822X	https://www.scopus.com/authid/detail.uri?authorId=57188978332
5	Use of Improved Generative Adversarial Network (GAN) Under Insufficient Data	Ajay Kumar Kushwaha	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering	536	288-299	5/1/2024	1867-822X	https://www.scopus.com/authid/detail.uri?authorId=57188978332
6	Enlighten GAN for Super-Resolution Images from Surveillance Car.	Ajay Kumar Kushwaha	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering.	536	433-445	5/1/2024	1867-822X,	https://www.scopus.com/authid/detail.uri?authorId=57188978332
7	Novel Current Mode First-Order Filter and Oscillator.	Ajay Kumar Kushwaha	Lecture Notes in Electrical Engineering	1071	71-78	3/10/2023	1876-1119	https://www.scopus.com/authid/detail.uri?authorId=57188978332
8	Depth Estimation and Navigation Route Planning for Mobile Robots Based on Stereo Camera. Lecture Notes of the Institute for Computer Sciences	Ajay Kumar Kushwaha	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering	472	180-191	25/03/2023	1867-822X	https://www.scopus.com/authid/detail.uri?authorId=57188978332

9	Voltage-Mode and Current-Mode Universal Filter Using IC LT1228.	Ajay Kumar Kushwaha	Lecture Notes in Networks and Systems, vol 554. Springer, Singapore.	554	(Page 1-10)	28/01/2023	2367-3389	https://www.scopus.com/authid/detail.uri?authorId=57188978332
10	Exploring the Impact of Mismatch Conditions, Noisy Backgrounds, and Speaker Health on Convolutional Autoencoder-Based Speaker Recognition System with Limited Dataset	Ajay Kumar Kushwaha	EAI Endorsed Transactions on Scalable Information Systems	Online first article	(Page 1-10)	9-Apr	2032-9407	https://www.scopus.com/authid/detail.uri?authorId=57188978332
11	Clinical investigations to calculate nuchal translucency using F-LNET	Kalyani Chaudhari*, Shruti Oza	Journal of Applied Pharmaceutical Research	Volume 12 Issue 1	59–64.	Feb-24	2348 – 0335	https://www.scopus.com/record/display.uri?eid=2-s2.0-85188086876&origin=resultslist
12	Bionic Health-Care Innovation Using Artificial And Human Intelligence	Chetan More, Namita K. Shinde	INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	VOL. 11 NO. 9S	225-232	24-Jun	2147-679921	https://www.scopus.com/record/display.uri?eid=2-s2.0-85171366937&origin=resultslist
13	Distributed Electromagnetic Radiation Based Renewable Energy Assessment Using Novel Ensembling Approach	Chetan More, Namita K. Shinde	Journal of Nano-and Electronic Physics	Volume 15, Year 2023	04022-1 to 04022-5	24-Jun	2077-6772	https://www.scopus.com/record/display.uri?eid=2-s2.0-85174729208&origin=resultslist
14	Machine Learning-Based Beamforming Algorithm for Massive MIMO Systems in 5G Networks	Pooja V.Deshmukh Aarti Prasad Pawar Snehal Chandrakant Mane	Journal of Electrical System	Vol. 20 No. 3s (2024)	971-979	Apr-24	1112-5209	https://www.scopus.com/sourceid/19700186890
15	Measurement of Nuchal Translucency Thickness ^[1] in First Trimester Ultrasound Foetal Images ^[2] Using Markov Random Field	Choudhari, Kalyani,Oza, Shruti	Journal of Pharmacology and Pharmacotherapeutics	NA	NA	16-Jul	0976500X	https://www.scopus.com/record/display.uri?eid=2-s2.0-85188346591&origin=resultslist

16	Atmospheric Water Generator Using Smart Automation Systems	Sudhir Kadam	SSRG International Journal of Electrical and Electronics Engineering	Volume 11 Issue 4	206-216	1-Apr	2348-8379	https://www.scopus.com/record/display.uri?eid=2-s2.0-85165948084&origin=resultslist
17	Self-Driving Electrical Car Simulation using Mutation and DNN	Paygude, Priyanka Idade, Sonali Gayakwad, Milind Shinde, Namita More, Chetan Patil, Amit Joshi, Rahul Kadam, Kalyani Shinde, Anand	SSRG International Journal of Electronics and Communication Engineering	Volume 10, Issue 6,	Pages 27 - 34	Jun-23	23488549	https://www.scopus.com/record/display.uri?eid=2-s2.0-85165948084&origin=resultslist
18	Spatio-temporal attention based real-time environmental monitoring systems for landslide monitoring and prediction	Babu, M. Vijay Sekhar Ashokkumar N. Joshi, Anjali Deshpande, Pallavi Sagar Keshta, Ismail Maaliw, Renato R.	Spatial Information Research	Volume 32, Issue 2	, Pages 207	Apr-24	23663286	https://www.scopus.com/record/display.uri?eid=2-s2.0-85163040782&origin=resultslist
19	An Implementation of Machine Learning Algorithm for Fake News Detection	Bussa, Sudhir Bodhankar, Aniruddha Patil, Vinod H. Pal, Hemant Bunkar, Satyendra Kumar Qureshi, Abdul Razzak Khan	International Journal on Recent and Innovation Trends in Computing and Communication	Volume 11,	Pages 392 - 401	Aug-23	23218169	https://www.scopus.com/record/display.uri?eid=2-s2.0-85173526182&origin=resultslist
20	Design and Implementation of Wideband Microstrip Antenna by Using Modified Ground Plane for High Gain 5G Applications	More, Chetan Sambhajirao Markad, Navnath Tatyaba	SSRG International Journal of Electrical and Electronics Engineering	Volume 11, Issue 4,	Pages 14 - 24	Apr-24	23488379	https://www.scopus.com/record/display.uri?eid=2-s2.0-85192846701&origin=resultslist

21	Design of a Wideband Moon-Shaped Microstrip Patch Antenna for Wearable Applications in Cellular Communication	More, Chetan Sambhajirao Markad, Navnath Tatyaba	SSRG International Journal of Electrical and Electronics Engineering	Volume 11, Issue 4,	Pages 184 - 197	Apr-24	23488379	https://www.scopus.com/record/display.uri?eid=2-s2.0-85192706211&origin=resultslist
Academic Year 2022-23								
1	Recent Challenges and Opportunities in Video Summarization With Machine Learning Algorithms	Payal Kadam , Deepali Vora ,Shruti Patil , Ketan Kotecha 3, Ajith Abraham 4,And Lubna Abdelkareim Gabralla	IEEE ACCESS	Volume: 10	122762 - 122785	18 November 2022	Electronic ISSN: 2169- 3536	https://www.scopus.com/record/display.uri?eid=2-s2.0-85142842334&origin=resultslist
2	IDEA Intellect database for emotion analysis using EEG signal	Vaishali M. Joshi , Rajesh B. Ghongade	Journal of King Saud University – Computer and Information Sciences	Volume 34, Issue 7	Pages 4433- 4447	22-Jul	13191578	https://www.scopus.com/record/display.uri?eid=2-s2.0-85096000242&origin=resultslist
3	A Model Design of Green Communication for Smart Grid Systems	Patil Vinod,Shinde Namita Kadam ,Payal , Bussa Sudhir ,Kadam, Sudhir ,Prabhakar A. ,More Chetan, Deshmukh Pooja	SSRG International Journal of Electrical and Electronics Engineering	Volume 10, Issue 5	Pages 227 - 239	1-May	23488379	https://www.scopus.com/record/display.uri?eid=2-s2.0-85162273976&origin=resultslist
4	Multi-stage biomedical feature selection extraction algorithm for cancer detection	Keshta, IsmailDeshpande, Pallavi Sagar Shabaz, Mohammad Soni, Mukesh Send mail to Soni M.; Bhadla, Mohit kumar Muhammed, Yasser	SN Applied Sciences	Volume 5, Issue 5	Nil	1-May	25233971	https://www.scopus.com/record/display.uri?eid=2-s2.0-85152771079&origin=resultslist

Academic Year 2021-22								
1	EEG based emotion detection using fourth order spectral moment and deep learning	Joshi, Vaishali M. Ghongade, Rajesh B.	Biomedical Signal Processing and Control	Volume 68	NA	Jul-21	17468094	https://www.scopus.com/record/display.uri?eid=2-s2.0-85106501858&origin=resultslist
2	Deep BiLSTM neural network model for emotion detection using cross-dataset approach	Joshi, Vaishali M. Ghongade, Rajesh B. Joshi, Aditi M. Kulkarni, Rushikesh V	Biomedical Signal Processing and Control	Volume 73	NA	Mar-22	17468094	https://www.scopus.com/record/display.uri?eid=2-s2.0-85121117016&origin=resultslist
3	Metaheuristic Deep Learning-Driven Wireless Communication Security Adaptation Using Multivariate Analysis of Variance (MANOVA)	Deshpande, Pallavi Suganthi N. Nirmala G. Pandey, Anand Krishna, Patteti Thalor, Meenakshi Anurag Asenso, Evans	Security and Communication NetworksOpen Access	Volume 2022	NA	May-22	19390114	https://www.scopus.com/record/display.uri?eid=2-s2.0-85130314712&origin=resultslist
4	Multipath routing protocol based on backward routing with optimal fuzzy logic in medical telemetry systems for physiological data measurements	Kranthi, Suryadevara Deshpande, Pallavi Khan, Shadab Pasha Srinivas, Amedapu	Acta IMEKO	Volume 11, Issue	NA	Mar-22	0237028X	https://www.scopus.com/record/display.uri?eid=2-s2.0-85128177472&origin=resultslist
Academic Year 2020-21								
1	Optimal number of electrode selection for EEG based emotion recognition using linear formulation of differential entropy	Joshi, Vaishali M. Ghongade, Rajesh B.	Biomedical and Pharmacology Journal	Volume 13, Issue 2,	Pages 645 - 653	Mar-20	9746242	https://www.scopus.com/record/display.uri?eid=2-s2.0-85090345273&origin=resultslist

2	Authenticate audio video-crypto invisible watermarking approach for enhancing hidden information security and robustness	Gangarde, Mahesh Oza, Shruti Chitode, Janardhan	International Journal of Electronic Security and Digital Forensics	Volume 12, Issue 1,	Pages 16 -42	2020	1751911X	https://www.scopus.com/record/display.uri?eid=2-s2.0-85076190472&origin=resultslist
3	A novel entropy-based weighted attribute selection in enhanced multicriteria decision-making using fuzzy TOPSIS model for hesitant fuzzy rough environment	Dikshit-Ratnaparkhi, Archana Bormane Dattatraya; Ghongade Rajesh	Complex and Intelligent Systems 4,	Volume 7, Issue	Pages 1785 - 1796	Aug-21	21994536	https://www.scopus.com/record/display.uri?eid=2-s2.0-85133886384&origin=resultslist

Academic Year 2019-20

1	Design differential evolution algorithm that effect on order of digital filters	Kadam, Sudhir A. Chavan, Mahesh S.	International Journal of Scientific and Technology Research	Volume 8, Issue 11,	Pages 3265 - 3268	Nov-19	22778616	https://www.scopus.com/record/display.uri?eid=2-s2.0-85075469920&origin=resultslist
2	Performance of particle swarm optimization for reducing system delay	Kadam, Sudhir A. Chavan, Mahesh S.	International Journal of Scientific and Technology Research	Volume 8, Issue 11	Pages 3063 - 3066	Nov-19	22778616	https://www.scopus.com/record/display.uri?eid=2-s2.0-85075292954&origin=resultslist
3	Design of digital filter by genetic algorithm	Kadam, Sudhir A. Chavan, Mahesh S.	International Journal of Engineering and Advanced Technology	Volume 8, Issue 6,	Pages 397 - 400	Aug-19	22498958	https://www.scopus.com/record/display.uri?eid=2-s2.0-85072010964&origin=resultslist
4	Shri-shape UWB wearable antenna & its performance with human tissue	Kango, Mugdha Anand Oza, Shruti Thorat, Swapnil	International Journal of Recent Technology and Engineering	Volume 8, Issue 3,	Pages 7727 - 7730	Sep-19	22773878	https://www.scopus.com/record/display.uri?eid=2-s2.0-85073504383&origin=resultslist
5	A testbed design of spectrum management in cognitive radio network using NI USRP and LabVIEW	Patil, Vinod H. Oza, Shruti Sharma, Vishal Asrithasiripurapu Patil, Tejaswini	International Journal of Innovative Technology and Exploring Engineering	Volume 8, Issue 9 Special Issue 2,	Pages 257 - 262	Jul-19	22783075	https://www.scopus.com/record/display.uri?eid=2-s2.0-85073387142&origin=resultslist

6	A testbed design of spectrum management in cognitive radio network using NI USRP and LabVIEW	Patil, Vinod H. Oza, Shruti Sharma, Vishal Asrithasiripurapu Patil, Tejaswini	International Journal of Recent Technology and Engineering	Volume 8, Issue 2 Special Issue 8,	Pages 1828 - 1834	Aug-19	22773878	https://www.scopus.com/record/display.uri?eid=2-s2.0-85073420470&origin=resultslist
7	Distributive system for congestion control in WSN directing through IoT	Prabhakar A.Y. Oza, Shruti K. Gautam, Chaitanya	International Journal of Innovative Technology and Exploring Engineering	Volume 8, Issue 10,	Pages 4654 - 4656	Aug-19	22783075	https://www.scopus.com/record/display.uri?eid=2-s2.0-85071260778&origin=resultslist
8	IoT & wearable devices	Prabhakar A.Y. Oza, Shruti Gautam, Chaitanya	International Journal of Engineering and Advanced Technology	Volume 8, Issue 5,	Pages 1705 - 1707	Jun-19	22498958	https://www.scopus.com/record/display.uri?eid=2-s2.0-85069896614&origin=resultslist
9	Framework for optimal attribute evaluation and selection in hesitant fuzzy environment based on enhanced ordered weighted entropy approach for medical dataset	Dikshit-Ratnaparkhi A. Bormane D. Ghongade R.	Journal of Biomedical Physics and Engineering	Volume 9, Issue 3,	Pages 327 - 334	Jun-19	22517200	https://www.scopus.com/record/display.uri?eid=2-s2.0-85069519324&origin=resultslist
10	Estimation of blood glucose by non-invasive method using photoplethysmography	Habbu, Shraddha Dale, Manisha Ghongade, Rajesh	Sadhana - Academy Proceedings in Engineering Sciences	Volume 44, Issue 61	NA	June 2019	2562499	https://www.scopus.com/record/display.uri?eid=2-s2.0-85065426439&origin=resultslist

Academic Year 2018-19

1	Green communication for power distribution smart grid	Patil, Vinod H. Oza, Shruti	International Journal of Recent Technology and Engineering	Volume 8, Issue 1,	Pages 1035 - 1039	May-19	22773878	https://www.scopus.com/record/display.uri?eid=2-s2.0-85069871848&origin=resultslist
2	Tunable CMOS active inductor using widlar current source	Patel, Dhara P Oza-Rahurkar, Shruti	Journal of Circuits, Systems and Computers	Volume 28, Issue 21	NA	Feb-19	2181266	https://www.scopus.com/record/display.uri?eid=2-s2.0-85047295649&origin=resultslist

3	CMOS active inductor/resonator based voltage controlled oscillator	Patel, Dhara P. Oza-Rahurkar, Shruti	Recent Advances in Electrical and Electronic Engineering	Volume 12, Issue 6,	Pages 500 - 506	2019	23520965	https://www.scopus.com/record/display.uri?eid=2-s2.0-85076767382&origin=resultslist
4	Cardiac events detection using curvelet transform	Barhatte, Alka Dale, Manisha Ghongade, Rajesh	Sadhana - Academy Proceedings in Engineering Sciences	Volume 44, Issue 21	NA	February 2019	2562499	https://www.scopus.com/record/display.uri?eid=2-s2.0-85060934254&origin=resultslist