R G M COLLEGE OF ENGINEERING AND TECHNOLOGY

Autonomous

Department of Electronics and Communication Engineering

Faculty Publications

Academic Year: 2022-23

ECE	International						National		Total
	SCI/SCIE	ESCI	Scopus	Journals	Conference	Book Chapters	Journal	Conference	
2022-23	**6**	**00**	**10**	**07**	**09**	**00**	**00**	**00**	**32**

S.No.	Publications	Total
1	Internatinal Journals	**07**
2	SCI& SCIE/ESCI	**6**
3	Scopus	**10**
4	IEEE Conference/IET Conferences (Scopus)	**09**
5	Books	**00**
6	Book Chapters& Scopus	**00**

SCI/ESCI/SCIE:

1. S. V. Ratankumar, L. Koteswara Rao, "Design of Multi-Valued Logic Circuit Using Carbon Nano Tube Field Transistors", Computers, Materials & Continua, https://www.techscience.com/cmc/v73n3/49014 CMC, 2022, vol.73, no.3, DOI: 10.32604/cmc.2022.027975 **[SCI]**

2. N. Nagaraja Kumar, T. Jayachandra Prasad and K. Satya Prasad P. "An Intelligent Multimodal Medical Image Fusion Model Based on Improved Fast Discrete Curvelet Transform and Type-2 Fuzzy Entropy" https://link.springer.com/article/10.1007/s40815-022-01379-9 International Journal of Fuzzy Systems (2022) **Springer**.**DOI** 10.1007/s40815-022-01379-9 **[SCI]**

3. P V Gopi Krishna Rao, Hanuma Naik R, M.Mahesh, M V Rajasekhar, M Venkata Sudhakar "Simplified design of IMC-Tuned PID Controller for Integrating Process Based on Maximum Sensitivity. In: Kumar, S., Hiranwal, S., Purohit, S D., Prasad, M. (eds) Proceedings of International Conference on Communication and Computational Technologies. Algorithmsfor Intelligent Systems. https://link.springer.com/chapter/10.1007/978-981-19-3951-8_7

   [**Springer],** https://doi.org/10.1107/978-981-193951-8_7_**[SCI]**

4. S. V Ratan Kumar, L. Koteswara Rao, M Kiran Kumar "Design of Ternary Logic Circuits using Pseudo N-type CNTFETs" ECS Journal of Solid-State Science and Technology, The Electrochemical Society ("ECS"), Published on behalf of ECS by IOP Publishing Limited, https://iopscience.iop.org/article/10.1149/2162-8777/ac9ff2 volume 11, Number 11, Nov 11 2022, DOI **:**10.1149/2162-8777/ac9ff2 **[SCI]**

5. S. Priyanka, Diego Oliva, Kethepalli Mallikarjuna, M. S. Sudhakar; "L-Shaped geometry-based pattern descriptor serving shape retrieval", An International Journal of Expert Systems with Applications" (ELSEVIER), Available online 12 November 2022.

   https://www.sciencedirect.com/science/article/abs/pii/S0957417422022783
   https://www.researchgate.net/publication/365325767 **[SCIE]**

6. Y. Madhu Sudhana Reddy, "Capacity Trust Assessment for Multi-hop routing in wireless sensor networks", E3S Web of Conferences391, 01181 (2023). https://www.e3s-conferences.org/articles/e3sconf/abs/2023/28/e3sconf_icmed-icmpc2023_01181/e3sconf_icmed-icmpc2023_01181.html
   http://doi.org/10.1051/e3sconf/202339101181**(Web of Science)**

SCOPUS

1. Vijayarajan Rajangam, N. Sangeetha, Kethepalli Mallikarjuna, "Thresholding-based decision map for CT-MRI fusion in wavelet domain, Int. J. Intelligent Systems Technologies and Applications, Vol. 20, No. 5, 2022.

https://www.inderscienceonline.com/doi/pdf/10.1504/IJISTA.2022.125607
https://dl.acm.org/doi/abs/10.1504/ijista.2022.125607 [Scopus]

2. N. Nagaraja Kumar, T. Jayachandra Prasad and K. Satya Prasad P. "Multimodal Medical Image Fusion with Improved Multi-Objective Meta-Heuristic Algorithm with Fuzzy Entropy" Journal of Information & Knowledge Management.world Scientific (August). https://www.worldscientific.com/doi/10.1142/S0219649222500630
https://doi.org/10.1142/S0219649222500630 [Scopus]

3. N. Nagaraja Kumar, T. Jayachandra Prasad and K. Satya Prasad P. "Multimodal Medical Image Fusion with Improved Multi-Objective Meta-Heuristic Algorithm with Fuzzy Entropy" Journal of Information & Knowledge Management, World Scientific . https://www.worldscientific.com/doi/10.1142/S0219649222500630
https://doi.org/10.1142/S0219649222500630 [Scopus]

4. Venkataiah C, Mallikarjuna Rao Y, Manjula Jayamma, Linga Murthy M K, Mahesh Kumar M, Laith H. Alzubaidi, Akhilesh Pandey "Performance analysis of Ternary Adder and Ternary Multiplier without using Encoders and Decoders", https://www.researchgate.net/publication/371309365_Performance_analysis_of_Ternary_Adder_and_Ternary_Multiplier_without_using_Encoders_and_Decoders E3S Web of Conferences, Vol 391, 01220 (2023) https://doi.org/10.1051/e3sconf/202339101220 [Scopus]

5. Venkataiah C, Mallikarjuna RaoY, Manjula Jayamma, Rambabu S, Linga Murthy MK, Laith H. Alzubaidi, Sanjay Mishra, "Performance analysis of 4-bit ternary adder and multiplier using CNTFET for high speed arithmetic circuits", E3S Web of Conferences, Vol 391, 01221 (2023).https://www.e3s-conferences.org/articles/e3sconf/abs/2023/28/e3sconf_icmed-icmpc2023_01221/e3sconf_icmed-icmpc2023_01221.html
https://doi.org/10.1051/e3sconf/202339101221 [Scopus]

6. Venkataiah C, Mallikarjuna Rao Y, Manjula Jayamma, Linga Murthy M K, Feroz Shah Ahmed S, Laith H. Alzubaidi, "Performance evaluation of SRAM design using different field effect transistorstggft", https://www.researchgate.net/publication/371309650_Performance_evaluation_of_SRAM_design_using_different_field_effect_transistors_ E3S Web of Conferences, Vol 391, 01185 (2023) https://doi.org/10.1051/e3sconf/202339101185 [Scopus]

7. Rambabu Sanivarapu, Mallikarjuna Rao Y, Venkataiah C, Linga Murthy MK, Laith H. Alzubaidi, Vyeshikha, "Design and Implementation of POSIT Based Adder and Multiplier in Verilog HDL", https://www.researchgate.net/publication/371309586_Design_and_Implementation_of_POSIT_Based_Adder_and_Multiplier_in_Verilog_HDL E3S Web of Conferences, Vol 391, 01184 (2023), https://doi.org/10.1051/e3sconf/202339101184 [Scopus]

8. Linga Murthy M K, Divyanjali Modepalli, Maibu Basha Shaik, Madhuri Busi, Venkataiah C, Mallikarjuna Rao Y, Ahmed Alkhayyat, Divya Rawat "Efficient Feature Extraction for

Recognition of Human Emotions through Facial Expressions Using Image Processing Algorithms" E3S Web of Conferences, 3s-conferences.org/articles/e3sconf/abs/2023/28/e3sconf_icmed-icmpc2023_01182/e3sconf_icmed-icmpc2023_01182.html#:~:text=To%20achieve%20this%2C%20we%20first,classifiers%20to%20classify%20the%20emotions.

Vol 391, 01182 (2023), https://doi.org/10.1051/e3sconf/202339101182 [Scopus]

9. Linga Murthy M K, Vinod S, Koundinya S Nagendra Babu G, Venkataiah C, Mallikarjuna Rao Y, Ahmed Alkhayyat, Upasana Rana, "Improving the Accuracy in Lung Cancer Detection Using NN Classifier", E3S Web of Conferences, https://www.e3s-conferences.org/articles/e3sconf/abs/2023/28/e3sconf_icmed-icmpc2023_01183/e3sconf_icmed-icmpc2023_01183.html Vol 391, 01183 (2023) https://doi.org/10.1051/e3sconf/202339101183 [Scopus]
10. S. V Ratan Kumar, L. Koteswara Rao, M Kiran Kumar "Design of Ternary Multiplier using Pseudo N-type CNTFETs"Russain Microelectronics, volume 52,No:2,pp:119-127,2023 https://www.x-mol.net/paper/article/1671972519654703104
11. DOI:10.1134/S1063739723700245 [Scopus]

International Journals:

1. 1.N. Ramanjaneyulu, C. Venkataiah, M. Chennakesavulu, Anchula Sathish "Performance Analysis of Full Adder using Ganged CMOS Threshold Element with Different Technologies" Advancement of Signal Processing and its Applications, Volume 6 Issue 1, HBRP publication, Page 1-7, February, 2023. https://zenodo.org/records/7642942 https://doi.org/10.5281/zenodo.7642942
2. 2.N. Ramanjaneyulu, C. Venkataiah, M. Chennakesavulu, Anchula Sathish, "Performance analysis of Full Adder using β-Driven Threshold Element with Different Technologies" Journal of Control System and its Recent Developments, Volume 6 Issue 1, HBRP publication, Page 16-23, February, 2023. https://zenodo.org/records/7638241 https://doi.org/10.5281/zenodo.7638241
3. C. Venkataiah, M. Chennakesavulu, N. Ramanjaneyulu, Y. Mallikarjuna Rao, Anchula Sathish, Manjula Jayamma " Ternary logic full adder circuit using 3x1 multiplexer " Journal of advancement in electronics design, volume 6, issue 1, HBRP publication, page 1-9, January, 2023. https://zenodo.org/records/7588790. https://doi.org/10.5281/zenodo.7588790
4. C. Venkataiah, D. Rajesh setty, N. Ramanjaneyulu, Y. Mallikarjuna Rao "Crosstalk peak overshoot analysis of VLSI interconnects" International Journal of Emerging Research in Engineering, Science, and Management Vol. 2, Issue 1, pp.08-12, Jan-Mar 2023. https://ijeresm.com/2101-2/ https://doi.org/10.58482/ijeresm.v2i1.2
5. C. Venkataiah, Anchula Sathish, N. Ramanjaneyulu, Y. Mallikarjuna Rao "Peak overshoot analysis of on-chip interconnects for different technologies" Journal of advancement in communication systems, volume 6, issue 1, HBRP publication, page 1-7,

January, 2023. https://zenodo.org/records/7543867 https://doi.org/10.5281/zenodo.7543867

6. C. Venkataiah, Anchula Sathish, N. Ramanjaneyulu, Y. Mallikarjuna Rao "Crosstalk noise analysis of on-chip interconnects" Journal of advancement in communication systems, volume 6, issue 1, HBRP publication, page 1-6, January, 2023. https://zenodo.org/records/7543712 https://doi.org/10.5281/zenodo.7543712
7. C. Venkataiah, Manjula jayamma, Y. Mallikarjuna Rao, N. Ramanjaneyulu, Anchula Sathish, "Advanced technique for performance improvement in VLSI interconnects" Journal of VLSI Design and signal processing, Volume 9, Issue 1, MAT Journals, page 1-6, January-April, 2023. e-ISSN: 2581-8449. https://matjournals.co.in/index.php/JOVDSP/article/view/1496

International Conferences:

1. Mrs.M.Maheswari et.al have presented a paper on "A Study On Cnfet Quaternary Logic " in International Conference on Emerging Trends in Electronics and Communication Engineering(ICETEC)-2023 conducted by ECE Department, RGMCET, Nandyal
2. Mr.Palle Rangappa and Dr.Anchula Sathish have presented a paper on "Comparative Analysis of Hybrid Logic Style Full Adders in Multistage Structures" in International Conference on Emerging Trends in Electronics and Communication Engineering (ICETEC)-2023 conducted by ECE Department, RGMCET, Nandyal.
3. Mr.Kanike Vijay kumar, and Dr.Anchula Sathish have presented a paper on "A Novel Approach for Enhancement of Remote Satellite ImageFusion Based On Cascaded Principle Component Analysis & Shift Invariant Wavelet Transforms" in International Conference on Emerging Trends in Electronics and Communication Engineering (ICETEC)-2023 conducted by ECE Department, RGMCET, Nandyal**.**
4. Dr.J.Sofia Priya Darshini et.al. have presented a paper on "Enhancement and Dehazing of Images for Real Time Applications" in International Conference on Emerging Trends in Electronics and Communication Engineering (ICETEC)-2023 conducted by ECE Department, RGMCET, Nandyal.
5. Dr.J.Sofia Priya Darshini et.al. have presented a paper on "Multi-Focus frame work for Image Fusion" in International Conference on Emerging Trends in Electronics and Communication Engineering (ICETEC)-2023 conducted by ECE Department, RGMCET,Nandyal
6. Mrs.R.Sireesha, Mrs.V.Saraswathi, Mrs.B.Geetha Rani et.al have presented a paper on "A Remote Monitoring And Control Approach Based On IoT For Automated Vehicles" in International Conference on Emerging Trends in Electronics and Communication Engineering(ICETEC)-2023 conducted by ECE Department, RGMCET, Nandyal.
7. Mrs.R.Sireesha et,al have presented a paper on "Clustering Based Emotional Speech Recognition using Fuzzy and K-Means for Tamil Language" in International Conference on Emerging Trends in Electronics and Communication Engineering (ICETEC)-2023 conducted by ECE Department, RGMCET, Nandyal.

8. Mrs.R.Sireesha et,al have presented a paper on "Dual Source based Wireless Charging System for Electric Vehicles" in International Conference on Emerging Trends in

Electronics and Communication Engineering (ICETEC)-2023 conducted by ECE Department, RGMCET, Nandyal.

9. Dr.C.Venkataiah, Dr.V.N.V.Satya Prakash, Dr.N.Ramanjaneyulu, et.al. have presented a paper on “Design and Performance Analysis of CNTFET Based Ternary Encoders for Next Generation Communication Systems” in International Conference on Emerging Trends in Electronics and Communication Engineering (ICETEC)-2023 conducted by ECE Department, RGMCET, Nandyal.

R G M COLLEGE OF ENGINEERING AND TECHNOLOGY

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Department of Electronics and Communication Engineering

Faculty Publications

Academic Year: 2021-22

ECE	International						National		Total
	SCI/SCIE	ESCI	Scopus	Journals	Conferences	Book Chapters	Journals	Conference	
2021-22	**16**	**00**	**05**	**00**	**01**	**00**	**00**	**00**	**22**

S.No.	Publications	Total
1	International Journals	**00**
2	SCI& SCIE/ESCI	**16**
3	Scopus	**05**
4	IEEE Conference/IET Conferences (Scopus)	**01**
5	Books	**00**
6	Book Chapters& Scopus	**00**

SCI/SCIE:

1. M. Chennakesavulu, T.Jayachandra Prasad, V. Sumalatha, , "Data encoding techniques to improve the performance of System on Chip", Journal of King Saud University – Compute and Information Sciences, Elsevier,Volume:34, Issue:2, ISSN/ISBN No. 1319-1578 Year: Feb-2022, https://www.sciencedirect.com/science/article/pii/S1319157818306281?via%3Dihub https://doi.org/10.1016/j.jksuci.2018.12.003 IF(13.473) [SCIE]

2. M. Chennakesavulu, T.Jayachandra Prasad, V. Sumalatha, , "Data encoding techniques to improve the performance of System on Chip", Journal of King Saud University – Compute and Information Sciences, Elsevier,Volume:34, Issue:2, ISSN/ISBN No. 1319-1578 Year: Feb-2022 https://www.sciencedirect.com/science/article/pii/S1319157818306281?via%3Dihub https://doi.org/10.1016/j.jksuci.2018.12.**003** IF(13.473) [SCIE]

3. Sanjib Kalita,, " Investigation to Enhance the DC and RF Performances of Nitride-Based Nanoelectronic HEMTs ,NIScPR-CSIR,India,Page No: 619-628,ISSN: 0975 -0959 (Online) ; 0301-1208(Print), http://nopr.niscair.res.in/handle/123456789/58133, Issue date : Sep 2021. [SCI]

4. Sanjib Kalita, Kethepalli Mallikarjuna; "A Dielectrically Modulated AlGaN/InN/GaN Nano Electronic High Electron Mobility Transistor Based Biosensor for Protein Detection", Indian Journal of Pure and Applied Physics, Accepted on 14-01-2022. http://op.niscpr.res.in/index.php/IJPAP/article/view/54619 https://doi.org/10.56042/ijpap.v60i2.54619 [**SCI]**

5. Sanjib Kalita, Kethepalli Mallikarjuna; "A Dielectrically Modulated AlGaN/InN/GaN Nano Electronic High Electron Mobility Transistor Based Biosensor for Protein Detection", Indian Journal of Pure and Applied Physics, Accepted on 14-01-2022 http://op.niscpr.res.in/index.php/IJPAP/article/view/54619 https://doi.org/10.56042/ijpap.v60i2.54619 [SCI]

6. Shivendra Yadav, Mohammad Aslam, Vivek Garg, Pallerla Joseph Ritesh Reddy, "Design Analysis of Ohmic Junction Based Tunnel FET", Silicon, Springer, Published Online :24 march 2022 , https://link.springer.com/article/10.1007/s12633-022-01803-7 https://doi.org/10.1007/s12633-022-01803-7. [SCI]

7. Sadanand Yadav, "3D-Multilayer Magneto-Inductive Transceiver Coil Structure and Optimal Placement of Relays for Non-Conventional Media", Wireless Networks, Published by Springer Nature, Online ISSN: 1572-8196. https://link.springer.com/article/10.1007/s11276-022-02949-3 DOI:10.1007/s11276-022-02949-3. [SCI]

8. J.Sofia Priyadarshini "Optimized NOMA System using Hybrid Coding and Deep Learning –Based Channel Estimation" ACM TOMM, Submitted on Thu, Mar 24, 2022, TOMM-2022-0174, (under Communication) [SCI]

9. Sameer Yadav, Pranshoo Upadhyay, **Bhaskar Awadhiya**,"Ferroelectric Negative-Capacitance-Assisted Phase-Transition Field-Effect Transistor", Published in: IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (Volume: 69, Issue: 2, Feb. 2022), Page(s): 863 – 869, INSPEC Accession Number**:** 21572573, Publisher: IEEE, Print ISSN: 0885-3010, Electronic ISSN: 1525-8955, https://pubmed.ncbi.nlm.nih.gov/34813473/ **DOI:** 10.1109/TUFFC.2021.3130194. [SCI]

10 Rajeewa Kumar Jaisawal P , N.Kondekar Sameer, Yadav Pranshoo Upadhyay, Bhaskar Awadhiya , Sunil Rathore, "Insights into the operation of negative capacitance FinFET for low power logic applications, Microelectronics Journal , Volume 119**,** January 2022, 105321, ISSN: 0026-2692, Impact Factor: 1.605 https://www.sciencedirect.com/science/article/abs/pii/S0026269221003025?via%3Dihub https://doi.org/10.1016/j.mejo.2021.105321 **[SCI]**

11. Rajeewa Kumar Jaisawal , Sunil Rathore , Pravin N Kondekar , Sameer Yadav , Bhaskar Awadhiya , Pranshoo Upadhyay and Navjeet Bagga , "Assessing the analog/RF and linearity performances of FinFET using high threshold voltage techniques, Semiconductor Science and Technology, Volume 37, Number 5, Published 8 April 2022 • © 2022 IOP Publishing Ltd. https://iopscience.iop.org/article/10.1088/1361-6641/ac6128 DOI 10.1088/1361-6641/ac6128 **[SCI]**
12. Bhaskar Awadhiya, Pravin N. Kondekar, Sameer Yadav, Pranshoo Upadhyay, Rajeewa Kumar Jaisawal, Sunil Rathore, "Effect of Scaling on Passive Voltage Amplification in FE-DE Hetero Structure" , 2021 International Conference on Control, Automation, Power and Signal Processing (CAPS) ,978-1-6654-4577-1/21/$31.00 ©2021 IEEE , DOI: https://ieeexplore.ieee.org/document/9730503 10.1109/CAPS52117.2021.9730503. [SCI]

13. Rajeewa Kumar Jaisawal, Sunil Rathore, Bhaskar Awadhiya, Pravin N Kondekar , Sameer Yadav, Pranshoo Upadhyay, Navjeet Bagga, "Assessing the analog/RF and linearity performances of FinFET using high threshold voltage techniques" , Semiconductor Science and Technology. 37 (2022) 055010, Published 8 April 2022 , IOP Publishing, https://iopscience.iop.org/article/10.1088/1361-6641/ac6128 https://doi.org/10.1088/1361-6641/ac6128. **[SCI]**

14. Sameer Yadav, P.N.Kondekar, Pranshoo Upadhyay, Bhaskar Awadhiya, "Negative capacitance based phase-transition FET for low power applications: Device-circuit co-design", Microelectronics Journal, Available online14March2022, 0026-2692/© 2022ElsevierLtd, https://www.sciencedirect.com/science/article/abs/pii/S0026269222000490?via%3Dihub https://doi.org/10.1016/j.mejo.2022.105411 **[SCI]**

15. Bhaskar Awadhiya, Sameer Yadav, Pranshoo Upadhyay, Pravin N. Kondekar, "Effect of back gate biasing in negative capacitance field effect transistor", Micro and Nanostructures, Available online 19 April 2022, 2773-0123/© 2022 Published by Elsevier Ltd. https://www.sciencedirect.com/science/article/abs/pii/S2773012322000395?via%3Dihub https://doi.org/10.1016/j.micrna.2022.207226. **[SCI]**

16. Shivendra Yadav, Bhaskar Awadhiya, Akshay Mittal, "Ohmic Junction Based Tunnel FET for High Frequency and Low Power Applications" , Silicon,Springer , Published Online :05 May 2022, https://link.springer.com/article/10.1007/s12633-022-01905-2 https://doi.org/10.1007/s12633-022-01905-2 **[SCI]**

ESCI: **NIL**

SCOPUS:

1. Vijarajan Rajangam, Sangeetha N, Kethepalli Mallikarjuna; " Thresholding Based Decision Map for CT-MRI Fusion in Wavelet Domain", International Journal of Intellegent Systems Technologies and Applications, Accepted on Febraury 2022 http://www.inderscience.com/storage/f128691151102374.pdf https://doi.org/10.1504/ijista.2022.125607 **[Scopus]**
2. C Venkataiah, N Ramanjaneyulu, Y Mallikarjuna Rao, VNV Prakash, MK Murthy, N Sreenivasa Rao, "Design and performance analysis of buffer inserted on-chip global nano interconnects in VDSM technologies", Nanotechnology for Environmental Engineering, Springer International Publishing, Pages 1-7, Publication date: 2022/5/11, https://link.springer.com/article/10.1007/s41204-022-00249-x DOI:10.1007/s41204-022-00249-x. **[Scopus]**

3. Yarragudi Madhu Sudhana Reddy, Ramaswami Sachidanandan Ernest Ravindran "Retinal Image Lesions Assisted Diabetic Retinopathy Screening System Through Machine Learning" , *International Journal of Intelligent Engineering and Systems, Vol.15, No.2, 2022,* https://inass.org/wp-content/uploads/2021/11/2022043017-2.pdf DOI: 10.22266/ijies2022.0430.17. **[Scopus]**

4. C Venkataiah, N Ramanjaneyulu, Y Mallikarjuna Rao, VNV Prakash, MK Murthy, N Sreenivasa Rao, “Design and performance analysis of buffer inserted on-chip global nano interconnects in VDSM technologies”, Nanotechnology for Environmental Engineering, Springer International Publishing, Pages 1-7, Publication date: 2022/5/11, https://link.springer.com/article/10.1007/s41204-022-00249-x DOI:10.1007/s41204-022-00249-x **[Scopus]**
5. C Venkataiah, N Ramanjaneyulu, Y Mallikarjuna Rao, VNV Prakash, MK Murthy, N Sreenivasa Rao, “Design and performance analysis of buffer inserted on-chip global nano interconnects in VDSM technologies”, Nanotechnology for Environmental Engineering, Springer International Publishing, Pages 1-7, Publication date: 2022/5/11, https://link.springer.com/article/10.1007/s41204-022-00249-x DOI:10.1007/s41204-022-00249-x. **[Scopus]**

IEEE CONFERENCES:

1. Nishant Sharan, S.K Ghorai, Ajit Kumar, “PAPR reduction using a Precoder and Compander combination in a NOMA-OFDM VLC system”, Date of Conference**:** 12-14 February 2022, Published in**:** 2022 2nd International Conference on Artificial Intelligence and Signal Processing (AISP), Electronic ISBN:978-1-6654-4290-9Print on Demand(PoD) ISBN:978-1-6654-4291-6, https://ieeexplore.ieee.org/document/9760659 DOI: 10.1109/AISP53593.2022.9760659.

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Department of Electronics and Communication Engineering

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ECE	International						National		Total
	SCI/SCIE	ESCI	Scopus	Journals	Conference	Book Chapters	Journal	Conference	
2020-21	**10**	**05**	**03**	**05**	**02**	**02**	**00**	**00**	**25+02**

S.No.	Publications	Total
1	SCI& SCIE/ESCI	**15**
2	Scopus	**03**
3	International Journal	**05**
4	IEEE Conference/IET Conferences (Scopus)	**02**
5	Books	**00**
6	Book Chapters& Scopus	**02**

SCI/SCIE:

1. Shivendra Yadav, Anuj, Anju Gedam, Guru Prasad Mishra and Mohd. Aslam, "Linearity/Intermodulation Distortion Analysis of Tunneling and Thermionic Emission Mechanisms; Design Proposal and High Frequency Investigation", Semiconductor Science and Technology, Aug 2020. https://iopscience.iop.org/article/10.1088/1361-6641/abaaec https://doi.org/10.1088/1361-6641/abaaec [SCI]
2. D. Maruthi Kumar, D. Satyanarayana, M. N. Giri Prasad "Improved Rough-fuzzy C-means Clustering and Optimum Fuzzy Interference System for MRI Brain Image Segmentation", IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 12, No. 8, 2021. https://link.springer.com/article/10.1007/s12652-020-02444-7 https://doi.org/10.1007/s12652-020-02444-7 [SCI]
3. Shivendra Yadav, Anju, and Sukeshni Tirkey, "A Dielectric Modulated Biosensor for SARS-CoV-2**",** IEEE Sensor Journal, Aug 2020.DOI 10.1109/JSEN.2020.3019036 https://ieeexplore.ieee.org/document/9178809 [SCI]
4. K. Vanitha, D. Satyanarayana and M.N.G. Prasad "Multi-modal Medical Image Fusion Algorithm Based on Spatial Frequency Motivated PA-PCNN in the NSST Domain", Bentham Science Current Medical Imaging, 2021, Vol 17, PP: 634-643.DOI: DOI: 10.2174/1573405616666201118123220 https://pubmed.ncbi.nlm.nih.gov/33213329/ [SCI]
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