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Phone: ,

Address: Bengaluru ,Karnataka, - 560056

Expertise

Electrical and Electronic Engineering

VLSI circuits; RF circuits; Microstrip Antennas

Work experience

1. Dr Ambedkar Institute of Technology, Bengaluru 2004 — Present

Associate Professor
Bengaluru

Education

1. PhD -

Honours and Awards

1. Best Researcher - 2019

NPTEL

Research Project

Dual Mode Reconfigurable compact Microstrip Filters

Role: Principle investigator
Year 2011, Amount 1250000

Membership In Professional Bodies

1. Instrument society of India, 2013
permanent
2. Criptography Research Society of India, 2013
Permanent

Membership In Committees

1. International Conference on Antennas, 2022
Paper Reviwer
2. International Conference on Antenna at DSU, 2022
Paper Reviwer
3. Telemart, 2020
R&D Consultant
4. International Conference on, 2019
Paper Reviwer
5. Microtel, 2018
R&D Consultant
6. VTU BOE, 2013
Member
7. VTU, 2011
PhD Thesis Reviewer

Patent

1. **A Reconfigured Fractal Compact Minkowski Microstrip Filter for Advanced Wireless Communication Applications**

Inventor(s): KAVITHA DEVI CS, Assignee: Kavitha Devi CS
Published: 0000-00-00

Publication

1. **Reconfigured compact Minkowski fractal microstrip filter**

Kavitha Devi C.S.;Umadevi H.;Baligar J.S.
Microwave and Optical Technology Letters, Volume 64, Year 2022, Pages 471-475

2. **Modified E-Shaped Resonator-Based Microstrip Dual-Mode Bandpass Filter**

Hugar S.I.;Mungurwadi V.;Baligar J.S.
Lecture Notes in Electrical Engineering, Volume 733 LNEE, Year 2021, Pages 647-652

3. **Design of Microstrip Dual-Mode Wideband Bandpass Filter with Controlled Center Frequency and Bandwidth Using Bandstop Filter Topology**

Hugar S.;Mungurwadi V.B.;Baligar J.S.
IETE Journal of Research, Volume , Year 2021

4. **Novel Approach for Center Frequency and Bandwidth Tuning in Multimode Resonator Based Microstrip Dual-Mode Bandpass Filter**

Hugar S.I.;Mungurwadi V.;Baligar J.S.
Procedia Computer Science, Volume 171, Year 2020, Pages 2067-2072

5. **Designing of Reconfigurable Compact Bandpass Microstrip Filter**

Devi K.C.S.;Umadevi H.;Baligar J.S.
Proceedings of the 3rd International Conference on Electronics and Communication and Aerospace Technology, ICECA 2019, Volume , Year 2019, Pages 726-730

6. **Dual Band Microstrip BPF with Controlled Wide and Narrow Pass Bands**

Hugar S.I.;Mungurwadi V.;Baligar J.S.
2019 10th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2019, Volume , Year 2019

7. **Sharp skirt dual-mode bandpass filter with overlay plate to control upper passband edge**

Hugar S.;Vaishali B.;Baligar J.
International Journal of Engineering and Advanced Technology, Volume 8, Year 2019, Pages 2357-2360

8. **Dual-mode wide band microstrip bandpass filter with tunable bandwidth and controlled center frequency for C-band applications**
Hugar S.I.;Mungurwadi V.;Baligar J.S.
Advances in Intelligent Systems and Computing, Volume 906, Year 2019, Pages 533-540
9. **Design of MMIC class-E power amplifier with adaptive bias control and built-in linearizer using 0.5 μm pHEMT technology**
Shanthi P.;Baligar J.
Progress in Electromagnetics Research Symposium, Volume 2017-November, Year 2017, Pages 1557-1562
10. **Linearization of class e power amplifier using diode-based techniques**
Shanthi P.;Baligar J.
2016 IEEE Annual India Conference, INDICON 2016, Volume , Year 2017
11. **Linearity enhancement of 0.5 μm E/D pHEMT class E power amplifier for PCS applications**
Shanthi P.;Baligar J.
International Conference on Communication and Signal Processing, ICCSP 2016, Volume , Year 2016, Pages 407-411
12. **Stacked shorted microstrip antenna for low cross polarization and wide-band**
Baligar J.S.;Revankar U.K.;Acharya K.V.
Microwave and Optical Technology Letters, Volume 30, Year 2001, Pages 73-75
13. **Broadband two-layer shorted patch antenna with low cross-polarisation**
Baligar J.S.;Revankar U.K.;Acharya K.V.
Electronics Letters, Volume 37, Year 2001, Pages 547-548
14. **A high-performance electromagnetically coupled shorted circular microstrip antenna**
Baligar J.S.;Revankar U.K.;Acharya K.V.
Microwave and Optical Technology Letters, Volume 28, Year 2001, Pages 386-388
15. **Broadband stacked annular ring coupled shorted circular microstrip antenna**
Baligar J.S.;Revankar U.K.;Acharya K.V.
Electronics Letters, Volume 36, Year 2000, Pages 1756-1757