



Mr Surajit Mukherjee

E-mail: ece.surajit@yahoo.com

Profile URL :

<https://vidwan.inflibnet.ac.in/profile/332490>

Orcid Id: 0000-0003-0291-3711

Phone: , 9903872605

Address: Purba Medinipur ,West Bengal,India - 721657

Expertise

Telecommunications

RF and Microwave

Work experience

1. Haldia Institute of Technology 2010 — Present

Assistant Professor
Purba Medinipur

Education

1. M. Tech - 2009

The University of Burdwan

2. B. Tech - 2007

Saroj Mohan Institute of Technology

Membership In Professional Bodies

1. The Institution of Electronics and Telecommunication Engineers (IETE),
2016
Member

Membership In Committees

1. Central Routine Committee, 2023
Member
2. Central Routine Committee, 2022
Member

Publication

1. Computational Intelligent Techniques in Mechatronics
Bhattacharjee R.;Neog D.R.;Mopuri K.R.;Vipparthi S.K.
Computational Intelligent Techniques in Mechatronics, Volume , Year 2024, Pages xxi-xxii
2. Improvement in notch band characteristics of a hexagonal super wideband antenna by interfering back radiation out of phase with front radiation using frequency selective surface
Mukherjee S.;Roy A.;Tewary T.;Mandal K.;Sarkar P.P.;Bhunia S.
International Journal of Communication Systems, Volume 37, Year 2024
3. Notch band characteristics improvement of a printed ultra wideband antenna by embedding frequency Selective Surface
Mukherjee S.;Roy A.;Mukherjee A.;Kundu S.;Pratim Sarkar P.;Bhunia S.
AEU - International Journal of Electronics and Communications, Volume 178, Year 2024
4. Electromagnetic band gap coupled tri-notched miniaturized ultra-wideband antenna loaded with slot and parasitic strip
Mukherjee S.;Roy A.;Maity S.;Tewary T.;Dutta K.;Bhunia S.
International Journal of Communication Systems, Volume 36, Year 2023
5. Design of a Compact Dual-Band Antenna with Meandered Slotted Patch and U-slotted Defected Ground Plane
Roy A.;Mukherjee S.;Tewary T.;Maity S.;Bhunia S.
Lecture Notes in Electrical Engineering, Volume 1046 LNEE, Year 2023, Pages 677-684

6. **Design of Tri Notched Ultrawideband Antenna Using U Slots and EBG Structure**

S Mukherjee, A Roy, S Bhunia

IEEE 1st International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics, AIKIE 2023, Volume , Year 2023

7. **Study and Accurate Estimation of the Far Field Profile in Kerr Type Nonlinear Parabolic Index Optical Fiber for the First Higher Order (LP₁₁) Mode Using Power Series Expansion Method Based on Chebyshev Technique**

Kushal Roy;Avisankar Roy;Surajit Mukherjee;Dibyendu Choudhury;Tirthadip Sinha;Subhashree Choudhury

2023 International Conference in Advances in Power, Signal, and Information Technology, APSIT 2023, Volume , Year 2023, Pages 745-750

8. **FSS embedded high gain 'N' shaped miniaturized broadband antenna**

Tewary T.;Maity S.;Mukherjee S.;Roy A.;Sarkar P.P.;Bhunia S.

AEU - International Journal of Electronics and Communications, Volume 158, Year 2023

9. **Design of dual band-notched UWB hexagonal printed microstrip antenna**

Mukherjee S.;Roy A.;Maity S.;Tewary T.;Sarkar P.P.;Bhunia S.

International Journal of Microwave and Wireless Technologies, Volume 15, Year 2023, Pages 526-534

10. **Compact Broadband Antenna Using Modified Ground Plane**

Maity S.;Tewary T.;Mukherjee S.;Roy A.;Bhunia S.

Lecture Notes in Electrical Engineering, Volume 851, Year 2022, Pages 25-32

11. **Design of Dual Band Rejected Square UWB Microstrip Antenna**

Mukherjee S.;Roy A.;Maity S.;Tewary T.;Bhunia S.

Lecture Notes in Electrical Engineering, Volume 851, Year 2022, Pages 477-486

12. **Wideband hybrid microstrip patch antenna and gain improvement using frequency selective surface**

Maity S.;Tewary T.;Mukherjee S.;Roy A.;Sarkar P.P.;Bhunia S.

International Journal of Communication Systems, Volume 35, Year 2022

13. **Super wideband high gain hybrid microstrip patch antenna**

Maity S.;Tewary T.;Mukherjee S.;Roy A.;Sarkar P.P.;Bhunia S.

AEU - International Journal of Electronics and Communications, Volume 153, Year 2022

14. **High gain miniaturized super-wideband microstrip patch antenna**

Tewary T.;Maity S.;Mukherjee S.;Roy A.;Sarkar P.P.;Bhunia S.

International Journal of Communication Systems, Volume 35, Year 2022

15. **Design of high gain broadband microstrip patch antenna for UWB/X/Ku band applications**

AEU - International Journal of Electronics and Communications, Year 2021

16. Design of high gain broadband microstrip patch antenna for UWB/X/Ku band applications

Tewary T.;Maity S.;Mukherjee S.;Roy A.;Sarkar P.P.;Bhunia S.

AEU - International Journal of Electronics and Communications, Volume 139, Year 2021

17. Design of Compact UWB Slotted Hexagonal Monopole Antenna with 3.5/5.5 GHz Dual Band Rejection

Mukherjee S.;Roy A.;Bhuni S.

Journal of Nano- and Electronic Physics, Volume 13, Year 2021, Pages 1-4

18. Design of Compact UWB Slotted Hexagonal Monopole Antenna with 3.5/5.5 GHz Dual Band Rejection,Конструкція компактної гексагональної несиметричної антени UWB діапазону зі щілинним отвором і двосмуговим (3.5/5.5 ГГц) режектором

Journal of Nano- and Electronic Physics, Year 2021

19. Design of Modified Grounded Microstrip Antenna for Dual Band Operation in Wireless Communication

Proceedings of 2nd International Conference on VLSI Device, Circuit and System, VLSI DCS 2020, Year 2020

20. Compact Multi Frequency Microstrip Antenna with Enhanced Gain Using Multiple U-Shaped Slotted Modified Ground Plane

Surajit Mukherjee ., Avisankar Roy ., Sunandan Bhunia ., Debasree Chanda Sarkar ., Partha Pratim Sarkar .,

Learning and Analytics in Intelligent Systems, Volume 12, Year 2020, Pages 974-981

21. Design of Modified Grounded Microstrip Antenna for Dual Band Operation in Wireless Communication

Roy A.;Mukherjee S.;Bhunia S.

Proceedings of 2nd International Conference on VLSI Device, Circuit and System, VLSI DCS 2020, Volume , Year 2020

22. Improvement of radiation performances of butler matrix-fed antenna array system using 4×1 planar circular EBG units

Bhowmik W.;Mukherjee S.;Rani Gupta V.;Srivastava S.;Prasad L.

Lecture Notes in Electrical Engineering, Volume 470, Year 2017, Pages 103-113

23. Design and Implementation of A Digital Code Lock System using 'C' Programme

International Journal of Innovations in Engineering and Technology (IJJET), Year 2016

24. Parametric Study and Analysis of Sol-Gel Derived [La/Va] Mg doped Composite PZT Nano Ceramic Material for Electronic Applications.

International Research Journal of Engineering and Technology (IRJET) , Year 2016

25. Electrical Characterization of PZT Dielectric Thick Film with varying Zr/Ti ratios Developed by SOL GEL Technique.

International Research Journal of Engineering and Technology (IRJET) , Year 2015

26. **GENERATING AN ISOLATED WORD RECOGNITION SYSTEM USING MATLAB**

P. Satpathy, A.Roy, K.Roy, R.Maity, S.Mukherjee

International Research Journal of Engineering and Technology (IRJET), Volume 02, Year 2015, Pages 906-910

27. **High Performance Carry Skip Adder using Reversible Logic**

Monalisha Bhowmik, Razia Sultana

International Journal of VLSI and Embedded Systems-IJVES , Volume , Year 2015, Pages

28. **Effects of Array Parameters on FSS Structure of Dipole Array**

R. K. Maity, A. Roy, S. Mukherjee, T. K. Barik, S. Bhunia

International Journal of Soft Computing and Engineering (IJSCE) , Volume 2, Year 2013, Pages 363--366

29. **A novel low-cost bidirectional multimedia data transmission using optical fiber in RoF system**

Bag B.;Das A.;Das A.S.;Mukherjee S.;Patra A.S.

2012 International Conference on Fiber Optics and Photonics, PHOTONICS 2012, Volume , Year 2012

30. **A Novel Low-Cost Bidirectional Multimedia Data Transmission Using Optical Fiber in RoF System**

Banibrata Bag ., Akinchan Das ., Anindya Das ., Surajit Mukherjee ., Ardhendu Patra .,
Optics InfoBase Conference Papers, Volume , Year 2012