

Name of Faculty:- Ms.Anjali Durgadas Rochkari

Designation:- Assistant Professor

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Professional Qualification:

- **Pursuing Ph.D in Electronics Engineering, 2023**
Terna Engineering College, Nerul Navi Mumbai.
- **Master of engineering in EXTC, 2016**
Mumbai University, Maharashtra
- **Bachelor of electronics and Telecommunication Engineering, 2010**
College of Engineering Osmanabad, Dr. BAMU University, Osmanabad, Maharashtra

Short Biodata:

Presently Working as a Assistant Professor in Electronics and telecommunication engineering department. I have 13 years experience in same field. My area of interest is Radiating systems.

I was a evaluator for Toycathon 2021 which was organized by the Ministry of Education's Innovation Cell and AICTE. ,evaluated various toys products.

Major Subjects:

- Random Signal Analysis
- Digital Communication
- Computer Communication Networks

Citation Analysis:

3 citations (h-index 1 and i10-index 0) in google scholar

<https://scholar.google.com/citations?user=g40vgvEAAAAJ&hl=en>

List of Publication:

Conferences and Workshops Publications:

Patents:

1. Anjali Rochkari, Rajiv Gupta, Mahadhu Trimukhe, Shubhangi Verulkar, Nayana Chaskar, and Varsha Bodade, "Low Profile, High Gain Stack Antenna with Low Cross Polarization using Multiple Meta-Surfaces," Application No. 202421031001- Patent office Mumbai, 2024. - Published

2. Anjali Rochkari, Rajiv Gupta, Mahadhu Trimukhe, Shubhangi Verulkar, Nayana Chaskar,, "Low cross polar and

Side lobe level, Slotted High Gain wide band Stack Suspended Microstrip Antenna using multiple Meta-Surfaces,” Application No. 202421043311- Patent office Mumbai, 2024. - Published

Journal Papers Publication:

1. Anjali Rochkari, Shubhangi Verulkar, Mahadu Trimukhe, Varsha Bodade, Rajiv Gupta, “Low Profile High Gain Wideband Stacked MSA Array for 5G, WLAN and C-Band Applications,” International Journal of Microwave & Optical Technology, vol. 19, issue 1 pp.1–9,2024.
2. Anjali Rochkari, Shubhangi Verulkar, Nayana Chaskar, Mahadu Trimukhe, and Rajiv K. Gupta, “Cross Polar Reduction of a High Gain Wide-band Stacked Microstrip Antenna using Meta-surfaces,” *Progress in Electromagnetic Research Letters*, vol. 119, pp. 91-98, 2024.
3. Anjali Rochkari, Nayana Chaskar, Mahadu Trimukhe, and Rajiv K. Gupta, “Improving Radiation Characteristics of Suspended Microstrip Antenna using Slots and Meta-Surfaces” Tech Rxiv. July 15, 2024.
4. Anjali Rochkari, Nayana Chaskar, Mahadu Trimukhe, and Rajiv K. Gupta, “Low Cross polar and Side Lobe Level High Gain Wide band Antenna using Meta-Surfaces”

Journal papers in Collaboration:

1. Shubhangi Verulkar, Anjali Rochkari, Mahadu Trimukhe, Varsha Bodade and Rajiv K. Gupta, “High Gain Compact Dual band Antenna using Frequency Selective Surface for 5G and WLAN Applications,” *Progress in Electromagnetic Research C*, vol. 142, pp:1–11, 2024.
2. Poonam Kolge, Anjali Rochkari, Shishir Jagtap and Rajiv Gupta, “Low Profile Wideband Stacked Microstrip Antenna Array using RIS and AMC layers”, 5TH International Conference on Engineering Research & Innovations, Equinox – 2020.
3. AA Chaudhari, A Rochkari, S Kharche, RK Gupta, “Microstrip MIMO/diversity antenna with high isolation for WLAN applications”, Progress In Electromagnetic Research Symposium (PIERS), 887- 891, Singhai, China, 2016.

Research and Scholarly Contributions:

- **M.E. Research:** Design and development of High gain MIMO Antenna.
- **PhD Research:** High Gain Wide Band Antenna using Defective Periodic Structures.

Software Tools:

1. Matlab
2. IE3D Zeland
3. HFSS
- 4.

Professional Association:

- Indian Society of Technical Education(ISTE)-Life Member

Experience:

- Total Teaching Experience:-13years

Responsibilities Handled:

- Departmental Exam Coordinator
- College level Admission committee member
- College Level library committee member
- DSP Lab Incharge
- Class Advisor
- Online Cap Incharge.
- Time Table Incharge

Declaration

I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Faculty Name:- Ms. Anjali Durgadas Rochkari

Place: Navi Mumbai