

## Brief Profile

**Name:** Dr. Maksud Alam

**Date of Birth:** 2<sup>nd</sup> August 1984

**Educational Qualification:**

*PhD: Electronics and Communication Engineering*

*M. Tech: Electronics and Communication Engineering*

*B. Tech : Electronics and Communication Engineering*

**Work Experience:**

- *Teaching: 9 years*
- *Research / Industry: 5*

**E-mail ID:** alam.maksud@miet.ac.in

**Area/Subjects of Interest:** RF and Microwave, Microprocessors, Computer Architecture, Microcontrollers

**Teaching:**

*Subjects Taught at UG level:*

- 1. Microprocessor*
- 2. Network Analysis and synthesis*
- 3. Electromagnetic field theory*
- 4. Microwave Engineering*
- 5. Digital Electronics*
- 6. Semiconductor material & devices*
- 7. Signal & system*
- 8. Microcontrollers*
- 9. Electronics engg.*
- 10. Electronic Switching*
- 11. Data Communication Networks*
- 12. Optical Fiber Communication,*

*Subjects Taught at PG level: Microwave and optical communication, Electronic Switching*

**Research Guidance**

*No. of M.Tech Guided: 4*

**Research Publications**

- Journals: 7

**STC/FDP/Summer/Winter Schools/Workshops/Seminars attended:**

- One-Week Indo-Canada SPARC-Workshop on RF Energy Harvesting Systems, REHS-2020, held during 17-21 July 2020 at NIT Silchar.
- 2. “Opportunities in Electromagnetics and RF” by Dr. Cynthia Furse Professor at University of UTAH 17.09.20.
- 3. Participated in “Research Evaluation Workshop for Presentation of Research Work” held at MNIT-Jaipur during 13-15 September 2018.
- 4. Attended international conference on recent trends in electrical, electronic & communication engineering (RTEECE-2012) in JNU, New Delhi during 29-30 September 2012.
- 5. Attended QIP coarse for Lectureship in SATELLITE COMMUNICATION (GPS&GIS) from IIT-ROORKEE.

- 6. Attended DALE CARNEGIE TRAINING on high impact teaching skill.
- 7. Attended Wipro Technology's MISSION 10X a FACULTY DEVELOPMENT PROGRAM at MIET Meerut.
- 8. Attended conference on "CASE BASED LEARNING IN ENGG. & MGMT." in BIT, Meerut.
- 9. Participated in "Instructional Planning & Delivery module-IV: Communication skills through ICT" held by NITTTR-Chandigarh during 7-11 July 2014.
- 10. Conducted workshop on "Embedded System Design Using Microcontroller" during 3-14 Jan 2011, in BIT Meerut.
- 11. Participated in workshop on "FPGA based Embedded System Design Using Microcontroller" during 3-14 Jan 2011, in BIT Meerut.
- 12. Participated in "Author workshop National Live WebEx by Keith Lambert" Publishing connect Elsevier held on 11 September 2013, in BIT Meerut.
- 13. Participated in "Faculty Training Workshop on Ethical hacking & Information Securities" AIESEC IIT Kharagpur conducted by Kyrion Digital Securities at Dr. KNMIET, Modinagar on 11-12 March 2011.
- 14. Participated in "FDP on Advanced digital signal processing using MATLAB" during 4-16 July 2011, in BIT Meerut., UPTU Campus, Noida in 2014.

#### **Memberships of the Professional Societies:**

**Awards/Honors:** Recipient of Visveswaraya Full Time Research Fellowship for 5 years by MIETY, Digital India Corporation, Govt. of India (Unique Awardee Number MIETY-PhD-1236).

#### **Any other relevant Information:**

Qualified GATE in years 2007, 2014 and 2016.

## **LIST OF PUBLICATIONS**

### **Journal Papers**

1. **Maksud Alam**, Mainuddin, B. K. Kanaujia, M. T. Beg, S. Kumar and K. Rambabu, "A hexa-band dual-sense circularly polarized antenna for WLAN/Wi-MAX/SDARS and C-band applications" International Journal of RF Microwave and Computer Aided Engineering, Wiley, 29(4)e21599, 2019.
2. **Maksud Alam**, Mainuddin, B. K. Kanaujia, M. T. Beg, S. Kumar and K. Rambabu, "Meta-surface enabled hepta-band compact antenna for wearable applications" IET Microwave Antennas Propagation, 13(13), 2372-2379, 2019.
3. **Maksud Alam**, Mainuddin, B. K. Kanaujia, M. T. Beg, S. Kumar, "Compact circularly polarized metaresonator-enabled deca-band antenna" Microwave and Optical Technology Letters, Wiley, 62(2), 726-736, 2020
4. **Maksud Alam**, Amber Khan, Mainuddin, B. K. Kanaujia, M. T. Beg, "Highly Efficient Artificial Magnetic Conductor Enabled CPW Fed Compact Antenna for BAN Wearable Applications" Frequenz Journal of RF-Engineering and Telecommunications, Manuscript DOI: 10.1515/freq-2020-0115 Walter de Gruyter GmbH, Berlin/Boston, 76(2), 546-555 2020.

5. **M. Alam**, T. Khan, "Design & development & comparative analysis of various equalization & diversity techniques for MIMO" in International Journal of Electronic & Electrical Engineering. Volume 1, Sep-2012, ISSN 0974-2174. Editor-in-Chief: Khaled A. Ellithy
6. Ashish Malik, Neeraj Kumar, **Maksud Alam**, Amit Bindal "A CPW Fed UWB antenna with band rejection characteristics" in International journal of advanced engineering science and technological Research" volume 2 issue 1, March-2014, ISSN:2321-1202.
7. S Gupta, S Singh, D Kumar, **M. Alam**, "FPGA implementation of High step up Transformer less DC to DC Boost Converter for FCV's" in International journal of advanced engineering science and technological Research" volume 2 issue 3, Sep-2014, ISSN:2321-1202.

**Conference Papers:**

1. M. Alam, M. Mainuddin, B. K. Kanaujia, M. T. Beg and S. Kumar, "A Low Profile Ultrawide Band Antenna for WLAN/Wi-Max/C-Band Wireless applications," 2019 International Conference on Computing, Power and Communication Technologies (GUCON), NCR New Delhi, India, 2019, pp. 563-565. IEEE Conference.
2. M. Alam, T. Khan, "Design & development & comparative analysis for MIMO systems" international conference on recent trends in electrical, electronic & communication engineering (RTEECE-2012) in JNU, New Delhi. International Conference
3. M. Alam "A Review on Microstrip patch antenna design using metamaterials" in international conference RACCET-2015, held in HRIT, GZB, 11-12 April-2015. International Conference