

# CURRICULUM VITAE

## **Anjan Kumar Kundu**

Assistant Professor, Stage III

Institute of Radiophysics and Electronics, University of Calcutta, 92, A.P. C. Road, Kolkata  
700009

Email id: akkundu.rpe@caluniv.ac.in

## **Educational Background**

### **DOCTORAL WORKS**

**Field of Research** : Microwave Tomography/ Computational Electromagnetics  
**Registration** : University of Calcutta

### **POST GRADUATION**

**Level** : Engineering Degree (**M.Tech**)  
**Field of Study** : **Electronics & Telecommunication**  
**Institution** : Institute of Radiophysics & Electronics (Calcutta University)

### **GRADUATION**

**Level** : Engineering Degree (**B.Tech**)  
**Field of Study** : **Electronics & Telecommunication**  
**Institution** : Institute of Radiophysics & Electronics (Calcutta University)

**Level** : Bachelor of Science (**B.Sc**)  
**Honors Subject** : **Physics**  
**Institution** : Calcutta University

## **Field of Interest**

Microwave Imaging, Microwave Engineering and Antenna Design

# List of Publications

---

## Journal Publication

1. Parametric Study of Microstrip patch Antenna using Different Feeding Techniques for Wireless and Medical Applications, A K Kundu, D Chatterjee, *Advances in Science, Technology and Engineering Systems Journal, C.A., USA, Vol 3, Issue 1, 310-316, January'2018*
2. A New SPN Type Architecture to Strengthen Block Cipher Against Fault Attack, G. Maiti, J Bhowmik, A K Kundu, *International Journal of Network Security, Vol 20, No. 3, 455-462, May 2018*
3. Comparative Analysis of Non-Contacting Feed Mechanism in Square Microstrip Patch Antenna, A K Kundu, D Chatterjee, *International Journal of Innovative Research in Science, Engineering and Technology, Volume 6, issue 7, July 2017*
4. Ultra Wideband Microstrip Patch antenna in Medical applications, A K Kundu, D Chatterjee, *i-manager's Journal on Wireless Communication Networks, Vol. 6 / No. 1 / April - June 2017*
5. Analyses of the effects of several earthquakes on the sub-ionospheric VLF–LF signal propagation, S.S. De, Suman Paul , D.K. Haldar , D. Deb, A.K. Kundu , S. Chattopadhyay , S. Barui , *Journal of Atmospheric and Solar-Terrestrial Physics, ELSIVIER , 81–82 (2012) 20–26, Volume 74, ISSN 1364-6826*
6. Studies on the Effects of 2009 Leonid Meteor Shower on Subionospheric Transmitted VLF Signals and Vertical Electric Potential Gradient , S. S. De, B. Bandyopadhyay, S. Barui, Suman Paul, D. K. Haldar, D. De, B. K. De, S. Chattopadhyay & A. K. Kundu, *Earth, Moon, and Planets, An International Journal of Solar System Science, SPRINGER, Volume 108 Number 2, 2012*
7. AILA-2009: Its Effects on VLF IFIA and Probable Scientific Explanation, S.S. De, B. Bandyopadhyay, S. Paul, D.K. Haldar, M. Sanfui, B.K. De, S. Chattopadhyay, A.K. Kundu, S. Barui, *Bulg. J. Phys. 38 (2011) 433–447*
8. A Reconstruction And Enhancement Technique For Microwave Imaging From Noisy Synthetic Data, A.K.Kundu, B. Bandyopadhyay, *International Journal of Applied Engineering Research, ISSN 0973 – 4562, Vol. 6, Number 8, pp. 1547 – 1554, 2011*

9. A Microwave Imaging and Enhancement Technique From Noisy Synthetic Data, A.K. Kundu, B. Bandyopadhyay, S. Sanyal, *Annals of Faculty Engineering, Hunedoara-International Journal of Engineering, Tome IX (2011), Fascicule 1, ISSN 1584-2665, 2011*
10. An Image Reconstruction and Enhancement technique for Microwave Tomography, A.K.Kundu, B. Bandyopadhyay, *ACTA, Technica Corviniensis-Bulletin of Engineering, Romania, 2010/Fascicule 2/April-June/Tome III*
11. An Iterative Algorithm for Microwave Tomography Using Levenberg-Marquardt Regularization Technique, B. Bandyopadhyay, A.Kundu , and A.N.Datta, *Ind J Pure & Appl Physics*, 43, 649 – 653, 2005

### **Conferences and Symposiums**

1. Study of Miniaturized Patch Microstrip Antenna with Circular Slot and SRR Optimization, A K Kundu, D Chatterjee, URSI-APRASC 2019, New Delhi, India, March,2019
2. A Small Broadband Micro Strip Patch Antenna with Ground Plane optimization, A K Kundu, D Chatterjee, IEEE-INCAP 2018, Hyderabad, India, December,2018
3. Design of a Rectenna for Ambient Energy Harvesting, A K Kundu, S Varshney, IEEE IMaRC 2018, Kolkata, India, November 2018
4. Performance Analysis and Comparative Study of Microstrip Patch Antenna using Aperture Coupled and Proximity Coupled Feeding Methodology, A K Kundu, D Chatterjee, IEEE International Conference on Computer, Communication, and Signal Processing (ICCCSP – 2017), Chennai, IEEE Explore June 2017
5. A Novel Design of Aperture Coupled Patch Antenna for Wireless and Medical Applications, A K Kundu, D Chatterjee, 4th International Conference on 'Microelectronics, Circuits and Systems', Micro2017, Darjeeling, India, July 2017
6. A Microwave Imaging and Enhancement Technique From Noisy Synthetic Data, A.K. Kundu, B. Bandyopadhyay, S. Sanyal, International Symposium on Advanced Engineering & Applied Management-40<sup>th</sup> Anniversary in Higher education, Hunedoara, November 2010

7. An Iterative Algorithm for Microwave Tomography Using Modified Gauss Newton Method, A.K. Kundu, B. Bandyopadhyay, S. Sanyal, Biomed 2008, Proceedings 21, pp. 511-514, 2008, Springer-Verlag Berlin Heidelberg 2008
8. An Reconstruction Algorithm for Microwave Tomography Using Levenberg-Marquardt Regularization with Multiple Illuminations - A.K.Kundu , B.Bandyopadhyay, IEEE Applied Electromagnetic Conference, 978-1-4244-1864-0/07/\$25.00 @ IEEE, 2007
9. Reconstruction Algorithm for Microwave Tomography Using Iterative Regularized Gauss-Newton Method- A.K.Kundu , B.Bandyopadhyay, International Conference on Computer and devices for Communication (CODEC 06), Kolkata,2006