

Ms.A.Alice Linsie M.E., (Ph.D.)

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QUALIFICATION:

Ph.D.: Pursuing research work in the field of Photonic Crystal Fibers for Terahertz Communication.

P.G: M.E., Communication Systems, Anna University-Regional Centre, Madurai. (2011-2013)

U.G: B.E., ECE, Sudharsan Engineering College, Anna University-Tiruchirappalli. (2007-2011)

RESEARCH INTEREST:

- Terahertz Communication
- Photonic Crystal Fibers
- Optical Communication

ACADEMIC EXPERIENCE:

- Assistant Professor (O.G), SRM Institute of Science and Technology, Ramapuram. (June 2017-Till date)
- Assistant Professor, Shanmuganathan Engineering College, Pudukkottai. (July 2013-June 2017)

FUNDED PROJECT:

- **Applied project** titled “ IoT Enabled Intelligent Traffic Management System using Machine Learning Techniques for Tamilnadu Cities in **TNSCST -Science and Technology project scheme 2022.**

AWARDS:

- Received **Best paper award** for paper titled “Elliptical Square Lattice Photonic Crystal Fiber for 5G Communication” in IEEE International Conference on Integrated Circuits and Communication Systems(ICICACS-2023) on February 24-25,2023.
- Received **Best Poster award** for the paper titled “Performance Analysis of Signal Transmission in Terahertz Regime” in Dr.Paarivendhar Research Colloquium(DPRC 2021) held between 3-5th March 2021 at SRMIST,Kattankulathur.

PUBLICATIONS:(SCI/WOS/SCOPUS)

1. **A. Alice Linsie**, Sachin Kumar, and Shyamal Mondal. "Elliptical Square Lattice Photonic Crystal Fiber for 5G Communication." In *2023 IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS)*, pp. 1-4. IEEE, 2023.
2. Harsh Vardhan Bajaj, A. Nijanth, **A. Alice Linsie**, and M. Saravana Sanjhay. "Smart Security System using Shuffling Keypad with SOS System." In *2023 International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT)*, pp. 150-155. IEEE, 2023.
3. A. Manish, Mehul Choudhary, R. Rishi, and **A. Alice Linsie**. "Analysis of Silicon-on-Insulator based Planar Optical Waveguide." In *2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT)*, pp. 109-112. IEEE, 2023.
4. **A. Alice Linsie**, R. Kishan Kumar, Naveen Prakash, MV Naren Subra, and V. Gokul. "Automated Inventory and Order Assistance Using Image Processing Techniques." In *2022 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI)*, pp. 1-5. IEEE, 2022.
5. **A. Alice Linsie**, Sachin Kumar, and Shyamal Mondal. "Performance analysis of slotted rectangular photonic crystal fiber structures in terahertz waveguidance." *Optical Engineering* 61, no. 9 (2022): 096104-096104.
6. **A. Alice Linsie**, and Shyamal Mondal. "Design of Low Loss Asymmetrical Photonic Crystal Fiber For Terahertz Communication." *Elementary Education Online* 20, no. 1 (2021): 2255-2255.

PATENTS:

1. Patent Design Number: 357829-001

Title of Design : A Diabetics management system

Design patent granted on May 2023.

RESPONSIBILITIES:

- Basic Electronics Lab in charge from June 2018-Till date.
- Department Faculty FDP in charge from June 2018-Till date.
- Class in charge for First year since 2022.