



# Dr. LAISHRAM THOIBILEIMA CHANU

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Kongpal Khaidem Leikai, Imphal East, P.O-Porompat-795005, MANIPUR, INDIA

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## SKILLS

- Experience on fabrication of nanodevices
- Experience on working with vacuum chamber
- Experience on handling sophisticated analysis measurement

## Publications

- Published paper at Applied Physics A Materials Science & Processing on "Enhanced performance of annealed NiO thin film for UV photodetection ", vol. 129, No. 9, Aug 2023.
- Published paper at Applied Nanoscience on "Effect on surface wettability of GLAD synthesized annealed NiO nanowire ", pp 1-9, May 2023
- Published paper at Journal of luminescence on "Enhanced structural and photoluminescence properties on GLAD synthesized annealed vertically aligned NiO nanowires ", vol 257, May 2023
- Published conference proceeding on "Effect on Structural and Optical Properties of NiO Thin Film on Ag Incorporation " In International Conference on Science, Technology and Engineering pp. 61-68 Springer Nature Singapore, Feb 2023
- Published paper at Applied Physics A Materials Science & Processing on "Fast response photodetector analysis based on NiO nanowire using a catalyst-free technique ", vol 127, No. 11, Oct 2022
- Published paper at IEEE Photonics Technology letter on "High Responsivity of GLAD Synthesized Isotype WO<sub>3</sub>/In<sub>2</sub>O<sub>3</sub> Nanocluster", vol. 33.No. 17, July 2021
- Published paper at STM Journals on "Effect of Aluminium Nitride layer on electrical performance of Microelectronics HEMTs ", vol. 3, 2017.

## Co-Curricular

- Participated INUP - i2i Hands-on Training on Nanofabrication & Characterization Techniques, held at CeNSE, IISc, Bangalore during January 16 - 25, 2024.
- Participated 1ST International Conference on SCI/TECH and engineering, ICSTE-23, February 2023 on "Effect on Structural and Optical Properties of NiO Thin Film on Ag Incorporation".
- Participated 30th National Conference on Condensed Matter Physics (CMDAYS-22), December 2022 on "Enhancing effect of annealed NiO Thin Film based on Photodetector analysis".
- Participated training program on "Applications of Sophisticated Instruments in Chemistry, Biology & Material Sciences", conducted by Department of Chemistry & SAIF NEHU, Shillong sponsored by DST, Government of India.
- Done Master project on "Simulation studies on effect of GaN thickness of AlGaIn/GaN HEMTs on different substrates" in Master.
- Done Degree project on "Offline Character recognition of handwritten MEETEI-MAYEK Alphabets using Neural network" in Degree.
- Completed Industrial Training at "WIRELESS, MANIPUR" and AIRPORT AUTHORITY OF INDIA, Imphal.
- Industrial training on "Automation and process control" at CTTC, Bhubaneswar

## Declarations

I hereby declare that the above information is true to the best of my knowledge.

Place: IMPHAL

  
LAISHRAM THOIBILEIMA CHANU

### Research Areas:

Metal Oxide Semiconductor Growth for UV Photodetectors, Optoelectronics Device Fabrication of Thin Films & 1D nanostructures, Analysis of Nanodevices based on Self-cleaning Applications

### Personal Details:

Name: LAISHRAM THOIBILEIMA CHANU

Father's name: LAISHRAM IBOHANI SINGH

Mothers name: LAISHRAM MEMA DEVI

Date of Birth: 16/02/1991

Gender: Female

Marital Status: Single

Languages known: English, Hindi and Manipuri

### Work experience:

Assistant Professor (Temporary) at NIT

SRINAGAR- 28<sup>th</sup> March 2024- 2<sup>nd</sup> Dec 2024

Guest Lecturer at NERIST ARUNACHAL PRADESH- Oct 2023 - Mar 2024

Teaching Assistant at NIT NAGALAND- Jan 2019 - Dec 2021

Guest Lecturer at NITARUNACHALPRADESH - Jul 2017 - Dec 2017

### Education:

Ph. D from NIT Nagaland- Nov 2023 on thesis title "Studies on Vertically Aligned NiO Nanowire and its Applications"

Master of Technology from NIT Arunachal Pradesh- May 2017 with CGPA-7.81

Bachelor of Engineering from MIT Takyelpat Imphal- Aug 2013 with 71.24%

XII (AISSCE) from CBSE - 2009 with 62.6%

X (AISSE) from CBSE - 2006 with 61%