**CURRICULUM VITAE**

1. Name: Assist. Prof. Dr. Latef Mohammed Ali

2. Date of Birth: 01-01-1964

3. Place of Birth: Erbil

4. Nationality: Iraq

5. Civil status: Married, four children

6. Home Address: Iraq, Erbil, Azidy

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11. Educational Qualification:

1983-1988 BS., University of Salahadeen, College of sciences, in Physics.

1999-2001 M Sc., University of Technology, Applied Physics. Baghdad, IRAQ.

2005- 2009 Ph.D., University of Technology, Applied Physics. . Baghdad, IRAQ.

12. Date of Joining Service: 1992

13. Conferences attended:

1. 4th International Symposium on Structure-Property Relationships in Solid State Materials June 24 - 29, 2012 Bordeaux, France.
2. The International Society for Optics and Photonics, which will be held 2-7 February 2013, in San Francisco, California, United States.
3. The International Society for Optics and Photonics, which will be held 1-6 February 2014, in San Francisco, California, United States.
4. Materials Science and Engineering Conference Series LLC Ltd Web Metrics at a Glance, held 7- 11 June 2015 , Florence, Italy

14. Published Manuscripts.

1. Investigation the absorption efficiency of GaAs/InGaAs nanowire solar cells
2. Simulation of -factor, bandgap frequency and defect band structure dependence upon hole radius of air formed in InGaAs waveguides.
3. Investigation of Opto-electric Characterization of GaAs/In0.2Ga0.8As Nanowire Solar Cell.
4. Investigation of dependence the hole radius formed in InGaP on the group velocity, quality factor and defect band structures.
5. Low-loss propagation in semiconductor AlxGa1-xAs Waveguide.
6. Calculation of defect modes in index contrast of AlxGa1-xAs waveguides.
7. Calculation of Radiative Loss in Index Contrast of AlxGa1-xAs Waveguides.
8. Effects of bath parameters on structure characteristic of Ni-W Electrodeposited alloy.

**CURRICULUM VITAE**

1. ناو : لطيف محمد علي رسول
2. شويَن و ميَذووي لة دايك بوون : هةوليَر 1964
3. باري كةسى : خيَزاندار
4. ناو نيشاني مالَ: هةوليَر , ئازادي
5. ثلةى زانستي : ثرؤفيسؤري ياريدةدةر .لة 21 -12 -2014
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11. 2001-1999 ماستةر لة فيزيا – زانكؤى تةكنؤلؤجي – بغداد
12. 2009- 2005 دكتؤرا لة فيزيا – زانكؤي تةكنؤلؤجي – بغداد
13. دةست بةكار بوون لةخزمةت : 1992
14. بةشداري لة كؤنفرانسى زانستي نيَودةولةتي:
15. International Journal of Arts & Sciences (IJAS) conference for academic disciplines, May 22-25, 2012Aix-en-Provence, **France.**
16. 4th International Symposium on Structure-Property Relationships in Solid State Materials June 24 - 29, 2012 Bordeaux, **France.**
17. The International Society for Optics and Photonics, which will be held 2-7 February 2013, in San Francisco, **California, United States.**
18. The International Society for Optics and Photonics, which will be held 1-6 February 2014, in San Francisco, **California, United States.**
19. تويَذينةوة بلاوكراوةكان لة طؤظارة جيهانيةكان لةطةل (**Impact Factor**) كانيان.
20. Investigation the absorption efficiency of GaAs/InGaAs ***Impact Factor= 2.3***

 nanowire solar cells

1. Simulation of -factor, bandgap frequency and defect band ***Impact Factor= 0.9***

 structure dependence upon hole radius of air formed in InGaAs

 waveguides.

1. Investigation of Opto-electric Characterization of GaAs/ ***Impact Factor= 1.3***

 In0.2Ga0.8As Nanowire Solar Cell.

1. Investigation of dependence the hole radius formed in InGaP ***Impact Factor= 1.16***

 on the group velocity, quality factor and defect band structures.

1. Coupling length and coupling loss in AlGaAs photonic crystal

 waveguides.

1. Low-loss propagation in semiconductor AlxGa1-xAs Waveguide.
2. Calculation of defect modes in index contrast of AlxGa1-xAs

 waveguides.

1. Calculation of Radiative Loss in Index Contrast of AlxGa1-xA ***Impact Factor= 0.5***

 Waveguides.

1. Effects of bath parameters on structure characteristic of Ni-W

 Electrodeposited alloy.