

## Publications:

1. Seung-Kyu Lee, Jae-Kwan Sim, **N.J.Suthan Kissinger**, IL-Seok Song, Jin-Soo Kim, Byung-Joon Baek, Cheul Ro Lee. “*Se Interlayer in CIGS absorption layer for solar cell devices*”. Journal of Alloys and Compounds. 2015
2. Jae-Kwan Sim, **N.J.Suthan Kissinger**, Seung-Kyu Lee, Jin-Soo Kim, Haeng-Gun An, Cheul Ro Lee “*Diffusion control of Na in Cu(In,Ga)Se<sub>2</sub> by the growth Mo:Na layer and variation of its growth pressure*” . Journal of Nanoelectronics and Optoelectronics. 2015
3. Saima Mushtaq, Bushra Ismail, Misbah Aurang Zeb, **N.J. Suthan Kissinger**, Aurang Zeb “*Low-temperature synthesis and characterization of Sn-doped Sb<sub>2</sub>S<sub>3</sub> thin film for solar cell applications*”. Journal of Alloys and Compounds. 2015
4. J.Suthagar, **N.J.SuthanKissinger**, M. Balasubramaniam, K. Perumal,,” *Structural and optical properties of electron beam evaporated ZnSe(1-x)Tex ternary compounds for various Te content*” Journal of Korean Physical Society.2013
5. J. Suthagar, **N.J.SuthanKissinger** M. Balasubramaniam, K. Perumal.” *Photoluminescence properties of ZnSe1-xTex thin films on GaAs/ITO substrates by electron beam evaporation technique*” SCIENCE CHINA Technological Sciences. 2011
6. Jun-Ho Cha, K. Ashok, **N.J.Suthan Kissinger**, Young-Ho Ra, Jae-Kwan Sim, Jin-So Kim, Cheul-Ro Lee,” Effect of thermal annealing on the Structure, Morphology, and Electrical Properties of Mo Bottom Electrodes for Solar Cell Applications” Journal of Korean Physical Society 2011
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8. **N. J. Suthan Kissinger** , G. Gnana Kumar, K.Perumal, J.Suthagar. “Spectral response and photoelectrochemical properties of Cd<sub>1-x</sub>Zn<sub>x</sub>Se films” Chinese Physics Letters, 2010
9. J.Suthagar, S. Rajesh, K.Perumal, T.Balasubramaniam, **N.J.Suthan Kissinger**.” *Growth and characterization of wide-gap Cd<sub>1-x</sub>Zn<sub>x</sub>Se ternary alloys by using electron beam evaporation technique*” Acta Physica Polonica A,2010
10. **N.J.Suthan Kissinger**, J. Suthagar, B. Saravana Kumar, T. Balasubramaniam, K. Perumal. “*Effect of substrate temperature on the structural and optical properties of*

*nanocrystalline cadmium selenide thin films prepared by electron beam evaporation technique*” . Acta Physica Polonica A.2010

11. Suthan Kissinger, Natarajan Velmurugan, K.Perumal, ” *Substrate temperature dependent structural and optical properties of ZnSe thin films by electron beam evaporation method*” Journal of Korean Physical Society 2009
12. **N.J.Suthan Kissinger**, J. Suthagar, T. Balasubramaniam, K. Perumal. “Temperature effect on the structural and optical properties of chalcogenide films by electron beam evaporation technique”).
13. Ji-Hyeon Park, **Suthan Kissinger**, Youn Ho Ra, Min-Hee Kim, Cheul Ro Lee” *On the Characterization of f-ideals Horizontal assembly of single nanowire diode fabricated by p-n junction GaN nano wire grown by MOCVD*”. Journal of Nanomaterials. 2014
14. Ji-Hyeon Park, Min-Hee Kim, **Suthan Kissinger**, Cheul-Ro Lee “*Vertically pn-junctioned GaN nano wire array fabricated on Si(111) using MOCVD*” Nano Scale. 2013
15. Min-Hee Kim, Ji-Hyeon Park, Hee-il Yoo, **Suthan Kissinger**, Jin Soo Kim, Byung June Baek, Cheul-Ro Lee.” *Two step growth of high quality long n-GaN:Si nanowires using u-GaN seed on Si(111) by MOCVD*” *Thin Solid Films*.2013
16. Seong-Muk Jeong, **Suthan Kissinger**, Dong-Wook Kim, Seung Jae Lee, Jin-Soo Kim, Cheul-Ro lee.” Characteristic enhancement of the blue LED chip by the growth and fabrication on patterned sapphire (0 0 0 1) substrate” Journal of Crystal Growth
17. Seong-Muk Jeong, **Suthan Kissinger**, Dong-Wook Kim, Seung Jae Lee, Jin-Soo Kim, Cheul-Ro lee. “*Improvement in Emission angle and optical power of blue LED chip fabricated on patterned sapphire (0 0 0 1) substrate by MOCVD*”. Japanese Journal of Applied Physics.2010
18. Seok-Hyo Yun, Yong-Ho Ra, Young-Min Lee, Ki-Young Song, Jun-Ho Cha, Hong-Chul Lim, Dong-Wook Kim, **N. J. Suthan Kissinger**, Cheul-Ro Lee.” *Growth of hexagonal and cubic InN nanowires using MOCVD with different growth temperatures*” Journal of Crystal Growth. 2010
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20. Young-Min Lee, R. Navamathavan, Seok-Hyo Yun, Seong-Muk Jeong, Dong-Wook Kim, **Suthan Kissinger**, Jin-Soo Kim, Cheul-Ro Lee. “*Bicrystalline GaN nanowires by the formation of Pt+Ga eutectic droplets on Si(111) using MOCVD*” Journal of Crystal Growth.2010
21. **Suthan Kissinger**, Seong-Muk Jeong, Seung Jae Lee, Seok-Hyo Yun, Dong-Wook Kim, In-Hwan Lee, CheulRo Lee, “*Enhancement in emission angle of blue LED chip fabricated on lens patterned sapphire (0 0 0 1)*” Solid-State Electronics2009