

Publications (last five years only)

	Published
International Journals	08
National Conferences	04
International Conferences	09
Total	21

Journal (*International*)

1. Dipankar Biswas, **Subindu Kumar** and Tapas Das, "Interdiffusion induced changes in the photoluminescence of $\text{In}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ quantum dots interpreted", *J. Appl. Phys.* **101**, 026108 (2007).
2. Dipankar Biswas, **Subindu Kumar** and Tapas Das, "Band Offsets of $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ Quantum Wells Reestimated" *Thin Solid Films* **515** 4488 (2007).
3. Dipankar Biswas, **Subindu Kumar** and Tapas Das, "Unusual changes observed in the photoluminescence of annealed $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ quantum wells explained", *Materials Letters* **61**, 5282 (2007).
4. **Subindu Kumar** and Dipankar Biswas, "Effects of a Gaussian size distribution on the absorption spectra of III-V semiconductor quantum dots", *J. Appl. Phys.* **102**, 084305 (2007).
5. Dipankar Biswas, Tapas Das, Sanjib Kabi and **Subindu Kumar**, "Conspicuous Presence of Higher Order Transitions in the Photoluminescence of $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ Quantum Wells", *Advanced Materials Research*, **31** 62 (2008).
6. **Subindu Kumar**, Dipankar Biswas and Tapas Das, "Dependence of the Absorption Spectra of III-V Semiconductor Quantum Dots on the Size Distribution", *Advanced Materials Research*, **31**, 59 (2008).
7. **Subindu Kumar**, Sanjib Kabi and Dipankar Biswas, "Dependence of the photoluminescence of annealed III-V semiconductor quantum dots on their shape and dimension", *J. Appl. Phys.* **104**, 086102 (2008).
8. **Subindu Kumar** and Sanjib Kabi "Dependence of the Absorption Spectra of III-V Semiconductor Quantum Dots on the Fundamental Parameters", *International Journal of Nanoscience* **9 (4)**, 345 (2010).

Conference (*National*):

1. Sanjib Kabi, **Subindu Kumar**, Dipankar Biswas and Tapas Das, "Further support to the large band gap 1.95 eV of InN ", *National workshop on Advanced Optoelectronic Materials and Devices*, held at BHU, Varanasi during 22 – 24 Dec, 2008. pp. 260.
2. **S. Kumar** and S. Sen, "A Brief Review on the Photoluminescence of Interdiffused III-V Quantum Dots", *National Conference on Electronics, Communication & Signal Processing (NCECS-2011)*, held at Siliguri institute of Technology, Siliguri, West Bengal, India, on September 19, 2011.
3. S. Sen and **S. Kumar**, "On the Photoluminescence of Annealed $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ Quantum Wells", *National Conference on Frontiers in Electronics, Communication & Instrumentation technology (FECIT 2011)*, held at Indian School of Mines, Dhanbad, Jharkhand, India, during November 3 – 4, 2011.

4. A. Kumar and **S. Kumar**, "On the Propagation Delay of Silicon Gate-All-Around MOSFET based Inverters", *National Conference on Frontiers in Electronics, Communication & Instrumentation technology (FECIT 2011)*, held at Indian School of Mines, Dhanbad, Jharkhand, India, during November 3 – 4, 2011.

Conference (*International*):

1. Dipankar Biswas, **Subindu Kumar** and Tapas Das, "Dependence of the Absorption Spectra of III-V Semiconductor Quantum Dots on the Size Distribution" *Abs. Proc. of the 4th International Conference on Materials for Advanced Technologies*, 1 – 6 July 2007, Singapore. [also published in *Advanced Materials Research*]
2. Dipankar Biswas, Tapas Das and **Subindu Kumar**, "Conspicuous Presence of Higher Order Transitions in the Photoluminescence of $\text{In}_x\text{Ga}_{1-x}\text{N}$ / GaN Quantum Wells", *Abs. Proc. of the 4th International Conference on Materials for Advanced Technologies*, 1 – 6 July 2007, Singapore. [also published in *Advanced Materials Research*]
3. **Subindu Kumar**, Sanjib Kabi and Dipankar Biswas, "Effects of Shape, Dimension and Interdiffusion on the Photoluminescence of III-V Semiconductor Quantum Dots", *Proc. of the Fourteenth International Workshop on The Physics of Semiconductor Devices (IWPSD 2007)*, held during December 16-20, 2007, Mumbai, India.
4. Tapas Das, **Subindu Kumar** and Dipankar Biswas, "Effects of interdiffusion on the Photoluminescence of ternary and quaternary semiconductor nanostructures interpreted", *Proc. of the Fourteenth International Workshop on The Physics of Semiconductor Devices (IWPSD 2007)*, held during December 16-20, 2007, Mumbai, India.
5. **Subindu Kumar**, Sanjib Kabi, Tapas Das, and Dipankar Biswas, "Curious changes in the photoluminescence of $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ quantum wells explained", *Ninth International Conference on Fiber Optics and Photonics (PHOTONICS 2008)*, held during December 13-13, 2008 at IIT Delhi and Habitat World Convention Center, New Delhi, India. pp. 462.
6. Sanjib Kabi, Siddhartha Panda, **Subindu Kumar** and Dipankar Biswas, "Complexities in the Interpretation of the Optical Measurements on InGaN/GaN Quantum Wells of High Indium Content", *5th International Conference on Materials for Advanced Technologies (ICMAT 2009 & IUMRS-ICA 2009)*, Singapore, 2009.
7. **Subindu Kumar** and Sanjib Kabi, "Dependence of the Absorption Spectra of III-V Semiconductor Quantum Dots on the Fundamental Parameters", *5th International Conference on Materials for Advanced Technologies (ICMAT 2009 & IUMRS-ICA 2009)*, Singapore, 2009. [also published in *International Journal of Nanoscience*]
8. **Subindu Kumar** and Soumen Sen, "Dependence of the Photoluminescence of annealed III-V Semiconductor Quantum Dots on the Fundamental Parameters", *Tenth International Conference on Fiber Optics and Photonics – PHOTONICS 2010*, held at Indian Institute of Technology Guwahati, Guwahati, Assam, India, during December 11 – 15, 2010.
9. **Subindu Kumar** and Dharamvir Kumar, "Dependence of the Propagation Delay of Silicon Nanowire Metal-Oxide-Semiconductor Field-Effect Transistors on Some Important Parameters" *International Conference on Nanoelectronics (ICONE 2011)* to be held in the Department of Electronics and Communication Engineering College, Rasipuram, Tamilnadu, India from 24th to 26th February, 2011.