

❖ List of Publications

➤ International Journals

1. **The optimization of optical thin films deposition using In-situ reflectivity measurements and simulation**

G.G. Bhatt, Vipul Kheraj, M. S. Desai, C. J. Panchal

Journal of nano- and electron Physics, **3** (2011) 721

2. **Laser induced damage studies on Al₂O₃, SiO₂, and MgF₂ thin films for anti-reflection coating application in high power laser diode**

G.G. Bhatt, A. L. Patel, M. S. Desai, C. J. Panchal

Journal of nano- and electron Physics, **5** (2013) 02016

➤ International Conference Proceedings

1. **Estimation of the reliability and junction temperature of the InGaP 650 nm quantum well laser diode**

G.G. Bhatt, C. J. Panchal, M. S. Desai, V. A. Kheraj, T. K. Sharma

Proceedings of XV International Workshop on the Physics of Semiconductor Devices (IWPSD-09)

Jamia Millia Islamia, NewDelhi, December 2009

➤ National Conference Proceedings

1. **Automated Lifetime Measurement Facility for Laser Diodes**

G.G. Bhatt, C. J. Panchal, M. S. Desai, V. A. Kheraj, T. K. Sharma

Proceedings of National Laser Symposium-08 (NLS-08)

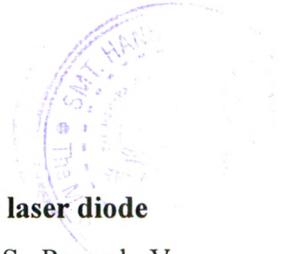
LASTEC, DRDO, New Delhi, December 2008

2. **Optimization of thin films of Al₂O₃ AR and pairs of Al₂O₃-TiO₂ HR coatings for facets of 808 nm laser diode**

G.G. Bhatt, Vipul Kheraj, M. S. Desai, C. J. Panchal

Proceedings of National Laser Symposium-19 (NLS-19)

RRCAT, Indore, December 2010



3. Effect of die bonding on the performance of high power semiconductor laser diode

G.G. Bhatt, M. Shrivastava, A. Marathe, S. K. Khamari, A. Khakha, S. Porwal, V. Agnihotri, S. Pal, C. J. Panchal, V. K. Dixit, T. K. Sharma, S. M. Oak
Proceedings of National Laser Symposium-22 (NLS-22)
Manipal University, Manipal, Karnataka, January 2014

4. Effect of die bonding on the performance of high power semiconductor laser diode

Archana Marathe, **Gopal Bhatt**, S.K Khamari, S.Pal, K.Rajiv, C. Mukharjee, C.J Panchal, V.K Dixit, T.K Sharma,, S.M Oak
Proceedings of National Laser Symposium-22 (NLS-22)
Manipal University, Manipal, Karnataka, January 2014

* * *