

## Mody Institute of Technology and Science

### Department of Science

Lakshmangarh, Sikar 332 311, Rajasthan

Applications are invited for a Junior Research Fellow (JRF) for a period of three years to work for Department of Science and Technology, New Delhi sponsored project entitled '**A coordinated approach to creating transgenic cotton resistant to a Begomovirus, Cotton leaf curl virus: efficacy and durability**' under Dr Rajarshi Kumar Gaur, Principal Investigator.

**Qualification** : M.Sc. (Biotechnology/Microbiology/Life Sciences/Biological Science) and qualified NET (LS)/GATE. Candidates with knowledge of Plant tissue culture and Bioinformatics will be preferred.

**Period** : Three years.

**Emoluments** : Rs 12,000 + HRA (as applicable) for the first two years and Rs 14,000 + HRA for the third year.

Candidates possessing the required qualifications may submit their application on plain paper with full bio-data by post or by e-mail on or before **25 December 2010**. The short-listed candidates are required to appear for interview on **15 January 2011** at 11.00 am at Department of Science, MITS, Lakshmangarh, Sikar, Rajasthan.

#### Dr Rajarshi Kumar Gaur

Head

Department of Science

Mody Institute of Technology and Science

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## DST-SERC School on Guided Wave Optics and Devices

### Central Glass and Ceramic Research Institute

(Council of Scientific and Industrial Research)

Kolkata 700 032

Duration of the Course – Three Weeks

Venue: Central Glass and Ceramic Research Institute

7–25 February 2011

**CGCRI Celebrates Diamond Jubilee (1950–2010)**



Photonics is one of the key enabling technologies for the S&T sector of the 21st century, where the subject of guided wave optics is expected to play a vital role. The growth of this area in the country is rapidly acquiring momentum and the demand for related devices is increasing at a rapid pace. Naturally, well-trained and highly skilled manpower needs to be developed to sustain this ever-growing activity in the country in this field. DST-SERC School on Guided Wave Optics and Devices has been precisely planned to train and inculcate the zeal for pursuing R&D amongst young researchers, and academicians and help India to forge ahead and take a leadership role in this emerging field.

Ph.D./M.Tech./Post Doctoral Fellow/M.Sc. and young faculty with strong motivation and research interests in photonics and related areas may apply to **The Director** of SERC School by **24 December 2010**. Details are available in [www.cgcri.res.in/sercschool\\_gwod](http://www.cgcri.res.in/sercschool_gwod)

The participating students, up to a maximum number of 35, could be provided to-and-fro Kolkata and their place of work/study AC-III train fare by the shortest route as per Gol rules and local hospitality.

**Topics to be covered:** Introduction to guided wave optics and devices, Concept of modes and dispersion in optical waveguides, Optical and optoelectronic materials, Optical sources and detectors, Optical fibre fabrication technology, Optical fibre characterization, Optical amplifier, Specialty optical fibre, fibre laser and applications, Photonic crystal fibre, FBG and LPG basics and principle, Optical fibre sensors and technology and Nonlinear optical waveguide and principle. Practical classes will also be organized during the course work. Eminent experts from the country as well as from abroad will take the classes.

**Contact:** Dr Shyamal K. Bhadra, Director of the SERC School on Guided Wave Optics and Devices Fibre Optics and Photonics Division, Central, Glass and Ceramic Research Institute, Kolkata 700 032, India; e-mail: [sercschool\\_gwod@cgcri.res.in](mailto:sercschool_gwod@cgcri.res.in), [skbhadra@cgcri.res.in](mailto:skbhadra@cgcri.res.in); Phone: 033-2473 3469/76/77/96, Extn 3278 and for details log on to [www.cgcri.res.in](http://www.cgcri.res.in) and [www.serc-dst.org](http://www.serc-dst.org)