



*Celebrating*  
**25 YEARS OF**  
**UGC DAE COLLABORATION**  
**IN HIGHER EDUCATION**



**National Conference on**  
**Study of Matter Using Intense Radiation Sources**  
**and Under Extreme Conditions**

**03-06 November 2016**

**UGC-DAE Consortium for Scientific Research (UGC-DAE CSR)**

**University Campus, Khandwa Road, Indore 452001**

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UGC-DAE CSR is organising a research conference on "Study of Matter Using Intense Radiation Sources and Under Extreme Conditions", while celebrating the 25 years of our Collaborative Research Scheme (CRS) where in synergy with the DAE, front ranking research programs in physics and inter-disciplinary sciences have been supported among the universities and colleges across the nation by utilising the Mega Science Facilities of the DAE (Synchrotrons at RRCAT, Dhruva reactor at BARC, Cyclotron at VECC, IOP- and BARC-TIFR Accelerators) and the advanced research facilities set up at our Indore-, Mumbai-, Kolkata- Centres and the Kalpakkam-Node.

We have succeeded in ensuring high returns in terms of the research output with relatively little outlay under the CRS. Since 1991, the Consortium has supported around 9000 user groups spanning over 300 teaching institutions across the nation resulting in over 3000 research publications in refereed journals. We presently facilitate research measurements for around 1500 users per annum and are supporting over 250 PhD Projects.

The success of this UGC DAE collaboration has resulted from joint endeavours of the scientific community across the nation, the vast user community, scientists and engineers from DAE and the Consortium, and last but not least the in-house research scholars. Now through this Silver Jubilee Conference, we would like to take their help and suggestions to chart out the next 25 years of our journey.

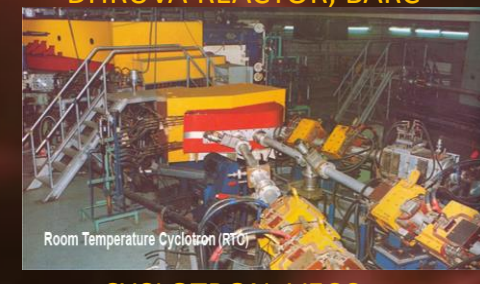
The program will comprise invited talks and users' research contributions. Contributions (max two pages) may be sent through email on [conference@csr.res.in](mailto:conference@csr.res.in) before September 30, 2016. Kindly visit the website <http://www.csr.res.in/conf.html> for more details.



INDUS II SYNCHROTRON, RRCAT



DHRUVA REACTOR, BARC



CYCLOTRON, VECC



CSR NEUTRON DIFFRACTOMETER AT DHRUVA



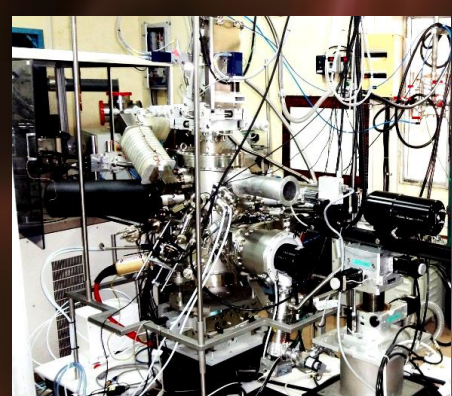
CSR BEAMLINE AT INDUS I SYNCHROTRON



CRYOGENICS FACILITY AT CSR INDORE



CRYOGENICS FACILITY AT CSR INDORE



FACILITY FOR INSITU THIN FILM GROWTH STUDIES AT CSR INDORE

HIPIMS THIN FILM DEPOSITION SYSTEM AT CSR INDORE

CLOVER DETECTOR (PART OF INGA) SETUP AT VECC

LTHM MOSSBAUER SETUP AT CSR INDORE

ECR BASED LOW ENERGY IMPLANTER AT VECC

TEM AT CSR KALPAKKAM NODE

LTHM XRD AT CSR INDORE

Fractals in the background are MFM image of magnetic domains in the c-plane of Co doped  $Mn_2Sb$  single crystal