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ANNOUNCEMENTS

NATIONAL SYMPOSIUM ON RECENT DEVELOPMENTS IN MICROBIAL GENE TECHNOLOGY

The above symposium will be held at the Department of Microbiology, Osmania University, Hyderabad during 9-11 December 1988. The three day symposium will include the inaugural address, special lectures and presentation of papers on fundamental and applied aspects of microbial gene technology. The symposium will cover the following aspects: 1. Mutagenesis (site directed mutagenesis

and gene replacement), 2. Protoplast fusion and hybridoma, 3. Gene amplification, 4. Strategies for gene cloning, 5. Diagnosis of microbial infections by *r*-DNA technology, 6. Novel approaches to antibiotic production.

Further particulars may be had from: Dr H. Polasa, Director of Symposium, Department of Microbiology, Osmania University, Hyderabad 500 007.

WORKSHOP ON RANDOM VIBRATION AND CHAOS IN NONLINEAR SYSTEMS

The above workshop will be held during December 26-30, 1988 at the Department of Civil Engineering, Indian Institute of Science, Bangalore.

The main objective of the workshop is to expose scientists and engineers from the Universities and Research and Development Laboratories to the current state of the art and further enthrust them to investigate nonlinear phenomenon in their own field of interest.

Nonlinear behaviour of structural systems is of importance in the analysis and design of aerospace engineering, nuclear engineering and civil engineering

systems. The workshop will deal with the analysis of nonlinear systems under random dynamic loading which model gusts the earthquake forces. An introduction to the recently emerging field of chaotic behaviour under deterministic inputs would also be presented at the workshop. The activity is sponsored by INSA, ARDB and NAL.

Further particulars may be had from: Prof. R. N. Iyengar, Convener, or Prof. S. Anantha Ramu, Co-convener, Department of Civil Engineering, Indian Institute of Science, Bangalore 560 012.

INDIAN SOCIETY OF HYPERTENSION

Meetings are arranged on 'the Problems in drug treatment in hypertensive emergencies in developing countries' and 'Future of traditional (Herbal) medicines in hypertension' during the 4th International Conference on Hypertension in Blacks,

Nairobi, Kenya from June 28 to July 2, 1989.

For abstract submission, travel grants, etc. please write to Dr Shailendra Vajpeyee, Indian Society of Hypertension, B. J. Medical College, Ahmedabad 380 016.