

## PUBLICATIONS IN JOURNALS/ BOOKS

CSIR CENTRE FOR MATHEMATICAL  
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TION

CM 1 ANGULAR SCATTERING OF  
RADIATION FROM COATED CYLIN-  
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CM 2 THE CRITICAL ROLE OF THE  
OCEANS IN CLIMATE CHANGE

David Pugh, Vinod K Gaur  
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Y Joshi Y.) Tata Energy Res Inst., New  
Delhi, 41-55*

CM 4 MODIFICATION OF N=O EQUA-  
TORIAL WAVES DUE TO INTERAC-  
TION BETWEEN CONVECTION AND  
DYNAMICS

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CM 5 MECHANISMS OF SOME TROPIC-  
AL INTRASEASONAL OSCILLATIONS

B N Goswami, P Goswami  
*Geophy Res. Lett.*, 19(7):681-684

CM 6 KEYNOTE ADDRESS IN GEO-  
MAGNETIC STUDIES AT LOW LATI-  
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V K Gaur  
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CM 7 EARTH SCIENCES IN INDIA:  
THE CONCERNS AHEAD

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CM 8 TECTONIC STRESS FIELD IN  
THE INDIAN SUBCONTINENT

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CM 9 STIMULATION OF THE COM-  
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CM 11 INDUCED CONDORCET PARA-  
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P S Moharir  
*Signal Processing and Communications,*  
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CM 12 THEORY OF THE APPLICA-  
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CM 13 SOME THOUGHTS ON SEIS-  
MIC HAZARD CHARACTERIZATION

P S Moharir  
*Proc. 28th Conv. Ind. Geophys. Union,*  
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CM 14 PATTERN RECOGNITION  
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Research Studies Press, Taunton, 272,  
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CM 15 ON THE ENHANCEMENT IN  
HEAT TRANSFER THROUGH THE USE  
OF SLURRIES

M S Phanikumar, A N Bhaskarwar  
*Int. J. Heat Mass Transfer*, 36(3):735-  
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CM 16 MODELLING & SIMULATION  
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**CM 17 ON THE GROSS PREDICTABILITY OF MONSOONAL DEPRESSIONS**

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**CM 19 LAMINAR FLOW THROUGH A LOCALLY CONSTRICTED TUBE OF ELLIPTIC CROSS-SECTION AT LOW REYNOLDS NUMBERS**

V B Sarin, R Mehrotra  
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**CM 20 ELASTOMECHANICAL CHARACTERISATION OF CRANIAL TISSUES**

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**CM 21 RELATION BETWEEN EPIDURAL AND VENTRICULAR PRESSURES IN CANIAN BRAIN: AN EXPERIMENTAL STUDY, SELECTED FOR PUBLICATION IN ANNUAL REVIEW OF HYDROCEPHALUS**

K B Sahay, R Mehrotra  
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**CM 22 MODELLING THE TRANSPORT SECTOR IN INDIA.**

N Somasekhara, T R Krishna Mohan, K Rajaram, K S Yajnik  
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**CM 23 PERTURBATION IN MORPHOGEN GRADIENTS INDUCE BUDDING IN HYDRA**

Somdatta Sinha, Sivatosh Mookerjee,  
*Developmental Biology* 154:218-222

**CM 27 KEY NOTE ADDRESS**

V K Gaur  
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**CM 28 DEEP STRUCTURE OF THE SOUTH INDIAN CRATON**

V K Gaur  
G P Chatterji Memorial Lecture (INSA) delivered at Presidency College, Calcutta

**CM 29 EXPERT SYSTEM FOR IC FABRICATION SHOP**

N K Indira  
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**CM 30 APPLICATIONS OF TIME SERIES ANALYSIS**

N K Indira  
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**CM 31 GROWTH OF INDIAN TRANSPORT SECTOR: DOES EXPONENTIAL MODEL APPLY EVEN AFTER FOUR DECADES**

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**CM 24 EXPERIMENTAL STUDY ON THE EVOLUTION OF A WALL LAYER FROM A WAKE**

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**CM 25 DYNAMICS OF A BASIC PHYTOPLANKTON MODEL**

K S Yajnik, M K Sharada  
In *Oceanography of the Indian Ocean* (Ed: B N Desai), Oxford -IBH, New Delhi, 91-98

**CM 26 APPLICATION OF MATHEMATICAL MODELLING FOR PREDICTION OF CLIMATE CHANGE**

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P S Moharir  
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**CM 33 NONLINEAR, NON-GAUSSIAN INVERSION, COURSE ON INVERSE PROBLEMS IN SCIENCE AND TECHNOLOGY**

P S Moharir  
C-MMACS, Bangalore

**CM 34 REGIONAL SEMINAR OF THE INDIAN COUNCIL OF PHILOSOPHICAL RESEARCH ON "ROOTS AND RELEVANCE OF PHILOSOPHY OF SCIENCE**

P S Moharir  
Science and Values, IIT., Bombay

**CM 35 NUMERICAL STUDY OF POLLUTANT DISPERSION IN THANE CREEK**

M D Raghunath, M S Phanikumar, K S Yajnik  
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**CM 36 EUGENIC ALGORITHM FOR SIGNAL DESIGN**

Rita Singh, P S Moharir  
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**CM 37 DYNAMICS OF A NONLINEAR MODEL OF MARINE ECOSYSTEMS IN TROPICAL CONDITIONS**

M K Sharada, K S Yajnik  
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**CM 38 THEORETICAL STUDY OF THE**

**2.2 PRESENTATIONS AT CONFERENCES**

**EVOLUTION OF TRYPTOPHAN BIOSYNTHETIC PATHWAY**

Somdatta Sinha

Gordon Research Conference in Theoretical Biology and Biomathematics, USA

**CM39 THEORETICAL STUDY OF BIOCHEMICAL REACTION PATHWAYS**

Somdatta Sinha

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**CM 40 MATHEMATICAL MODELLING OF BIOCHEMICAL REACTION SEQUENCES**

Somdatta Sinha

IMACS International Symposium on Mathematical Modelling and Scientific Computing (IMACS) Abstracts, p. 70.

**CM 41 MODELLING AND ANALYSIS OF AN ELECTROMAGNETIC ACTUATOR USING A FINITE ELEMENT**

**METHOD**

B Sudhakar, M I James, Venkatesh Gopal, K S Yajnik

IMACS Abstracts, 29-30

**CM 42 MODELLING, NOWCASTING AND FORECASTING: CHALLENGES AHEAD**

K S Yajnik

Invited lecture, K.R. Ramanathan Centenary Symposium, PRL, Ahmedabad

**2.3**

**REPORTS AND THESES**

**CM 3 A PREDICTION MODEL FOR THE ATMOSPHERIC BOUNDARY LAYER**

P Goswami, K Narahari Rao  
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**CM 44 MODELLING OF AN INDUSTRIAL ELECTROMAGNETIC ACTUATOR**

M I James, B Sudhakar, V Gopal, K S Yajnik  
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**CM 45 SIMULATION OF EVOLUTION AND STRUCTURE OF A TROPICAL CYCLONE**

R K Rao, P Goswami  
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**CM 18 SOME ASPECTS OF INCLUSION OF OROGRAPHY IN NUMERICAL WEATHER PREDICTION MODELS**

M Sankar Raj, P Goswami, B N Ramanath  
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**CM 43 MODELLING AND SIMULATION OF AN ELECTROMAGNETIC ACTUATOR**

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