

Editorial Note: On account of the highly interactive nature of C-MMACS, many of the works given below are authored by scientists working in several institutions. Due to space restrictions, we indicate by one asterik mark (*) core staff of the Centre and two asterik marks (**) associates/senior associatess of the Centre.

Publications in Journals/Books

CM 1 DIAGNOSING OF TIME PERIODS OF INCREASED PROBABILITY OF LARGE EARTHQUAKE OCCURRENCE IN THE HIMALAYAN SEISMIC BELT USING THE CN ALGORITHM

S.C. Bhatha, A.V. Chelam, V.K. Gaur*, L. Sulbedi, I.A. Vorgyeron & P.A. Lershina
Computational Seismology and Geodynamics, Vol. 1, Am. Geophys, Union Publications, 1994

CM 2 A DYNAMICAL MECHANISM FOR SELECTIVE EXCITATION OF THE KELVIN MODE AT TIME SCALE OF 30-50 DAYS

P. Goswami* and R.K. Rao*
J. Atmos. Sci., Vol. 51, pp. 2769-2779, 1994

CM 3 MECHANISM FOR SCALE SELECTION OF TROPICAL WAVES AT OBSERVED INTRASEASONAL FREQUENCIES

P. Goswami* and V. Mathew
J. Atmos. Sci., Vol. 51, pp. 3155-3166, 1994

CM 4 INCOMPARABILITY OF SYSTEMS WITH MULTIPLE EQUIVALENT QUANTITIVE DESCRIPTIONS

P.S. Moharir**
Current Sci., Vol. 67, No. 1, pp. 19-23, July 10, 1994

CM 5 COMMENTS ON DIFFERENT LEVELS OF EQUITY IN CANAL WATER DISTRIBUTION

P.S. Moharir**
J. Ind. Water Resources Soc., Vol. 14, No. 1/4, pp. 112, Jan-Oct, 1994

CM 6 PATTERN RECOGNITION IN SEISMOLOGY

P.S. Moharir**
Proc. Nat. Acad. Sci. India, Vol. 64-A, III, pp. 407-415, 1994

CM 7 THERMOSOLUTAL CONVECTION IN A RECTANGULAR ENCLOSURE WITH STRONG SIDE-WALLS AND BOTTOM HEATING

M.S. Phanikumar*
Int. J. Heat & Fluid Flow, Vol. 15, No. 4, pp. 325-336, 1994

CM 8 NUMERICAL TECHNIQUES

M.S. Phanikumar*
Lecture Notes, Intensive Course On Modelling of Oceanic & Atmospheric Processes, pp. 1-25, Nov. 1994

CM 9 DEVELOPMENT OF NUMERICAL MODELS FOR THE COASTAL MARINE AND ESTUARINE ENVIRONMENTS

M.S. Phanikumar*

Lecture notes, IOC Training Programme in Coastal Marine Science, (Ed. P.C. Sinha, G.N. Swamy, C.R. Murthy) pp. 401-418, Nov. 1994

CM 10 INCIPIENT VORTEX SIZE DEPENDENT EVOLUTION OF TROPICAL DISTURBANCES. PART II - SOME GOVERNING PROCESSES

R.K. Rao* and P. Goswami*

Proc. Ind. Acad. Sci. Earth and Plan. Sci., Vol. 703, No. 4, pp. 449-468, 1994

CM 11 NEGATIVE RECENCY IN EARTHQUAKE MIGRATION

R. Singh and P.S. Moharir**

Proc. Nat. Acad. Sci., Vol. 64-A II, pp. 271-285, 1994

CM 12 LOCALISED CHAOS ON PERIODIC ORBITS

R. Singh, V.M. Maru and P.S. Moharir**

Current Sci., Vol. 68; No. 5, pp. 497-500, 1995

CM 13 VALIDATION OF AN ALGORITHM FOR COMPUTING SCATTERING OF RADIATION BY HIGHLY ABSORBING AND LARGE FIBERS

T.W. Tong, P.S. Swathi* and W. Li

Thermal Conductivity, Vol. 22, Ed. T.W. Tong, Technomic Publ., 1994

CM 14 A GENERAL CONSERVATION LAW AND INTEGRAL APPROACH TO BOUNDARY LAYERS

K.S. Yajnik* and M.S. Phanikumar*

Integral Methods in Science and Engineering,

C. Constanda Ed., Pitman Research Notes in Mathematics, Vol. 317, pp. 202-214, 1994

CM 15 COMPUTATIONAL FLUID DYNAMICS JOURNAL, SPECIAL ISSUE

K.S. Yajnik* Guest Editor, Vol. 3, No. 4, 1995

Presentations at Conferences

CM 16 ASTROGEODETTIC AND GPS LATITUDE MEASUREMENTS RELATED TO THE NORTHWARD DRIFT OF INDIA

F. Blume, D. Robertson, R. Bilham, R.K. Kochha, J. Paul*, V.K. Gaur*

Paper No G51A-10, Am. Geophys. Union Meeting, San Francisco, California, USA, Dec. 5-9, 1994

CM 17 CONVERGENCE BETWEEN INDIA AND THE HIMALAYA, 1991-94

R. Burgmann, J. Frey Mueller, K.M. Larson, J. Paul*, M. Jackson, R. Bilham, V.K. Gaur*, S. Jade*, V. Kumar*, C. Reigber

Paper No G15A-5, Am. Geophys. Union Meeting, San Francisco, California, USA, Dec. 5-9, 1994

CM 18 130 YEARS OF SEISMOGEODETTIC DEFORMATION IN SOUTHERN INDIA

V.K. Gaur*, J. Paul*, S. Jade*, V. Kumar*, P.S. Swathi*, B. Nambodri, R. Burgmann and R. Bilham

Paper No. G 51 A-11, Amer. Geophys. Union Meeting, San Francisco, California, USA, Dec. 5-9, 1994; Abstract pp. 185, EOS Supplement, Nov 1, 1994

CM 19 ASTROGEODETTIC DETERMINATIONS OF THE VELOCITY AND INTERNAL DEFORMATION OF THE INDIAN PLATE

V.K. Gaur*
National Space Science Symposium, Dec. 1994

**CM 20 THE NEW GLOBAL ORDER:
IMPLICATIONS TO SCIENCE AND
TECHNOLOGY IN INDIA**

V.K. Gaur*
*INSA Seminar on Role of S&T in the New
Global Order, Jan 1995*

CM 21 STATISTICAL METHODS

N.K. Indira*
*Intensive Course on assimilation of data in
atmospheric and oceanic models, Bangalore,
Jan. '16-Feb.4, 1995*

**CM 22 LONG TERM TRENDS IN
INDIAN TRANSPORT SECTOR USE
OF MODELS FOR FORECASTING**

T.R. Krishnamohan*
*Seminar on Transport Policy for SAARC
Countries, Delhi, Feb. 13-15, 1995*

**CM 23 CHAOTIC DYNAMICS AND
PREDICTABILITY**

T.R. Krishnamohan*
*Intensive Course on Modelling of Oceanic &
Atmospheric processes, Bangalore, Nov. 7-19,
1994*

**CM 24 EFFECT OF LAND-OCEAN
CONTRAST IN A SIMPLE COUPLED
CLIMATE MODEL**

N. Harinath* and P. Goswami*
TROPMET-95, Hyderabad, Feb.8-11, 1995

**CM 25 DEVELOPMENT OF NUMERI-
CAL MODELS FOR COASTAL CIRCUL-
ATION AND MARINE POLLUTION**

M.S. Phanikumar*
*IOC Training Programme in Marine Science,
Delhi, Nov. 21-Dec 16, 1994*

CM 26 NUMERICAL METHODS-I

M.S. PhaniKumar*
*Intensive Course on Modelling Atmospheric
& Oceanic Processes, Bangalore, Nov. 7-19,
1994*

**CM 27 SCALE SELECTIVE INTENSI-
FICATION AND EARLY WARNING OF
TROPICAL CYCLONES**

R.K. Rao* and P. Goswami*
TROPMET-95, Hyderabad, Feb. 8-11, 1995

**CM 28 MODELLING OF LARGE
SCALE CIRCULATION IN THE INDIAN
OCEAN**

P.S. Swathi* and K.S. Yajnik*
*Invited lecture, TROPMET 95, Hyderabad,
Feb. 8-11, 1994*

CM 29 ATMOSPHERIC RADIATION

P.S. Swathi*
*Intensive Course on Modelling of Ocean and
Atmospheric Processes, Bangalore, Nov. 6-21,
1994*

**CM 30 HIGH PERFORMANCE COM-
PUTING IN INDIA**

K.S. Yajnik*
*High Performance Computing Conference 94,
Singapore, Sept.29-30, 1994*

**CM 31 INTRODUCTION TO MOD-
ELLING OF OCEANIC AND ATMO-
SPHERIC PROCESSES**

K.S. Yajnik*
*Intensive Course on Modelling of Oceanic &
Atmospheric Processes, Bangalore, Nov. 7-19,
1994*

**CM 32 MODELLING OF ESTURINE
ENVIRONMENT**

K.S. Yajnik*
Intensive Course on Modelling of Oceanic &

*Atmospheric Processes, Bangalore, Nov. 7-19,
1994*

**CM 33 MODELLING OF MARINE
ECOSYSTEMS**

K.S. Yajnik*

*Intensive Course on Modelling of Oceanic &
Atmospheric Processes, Bangalore, Nov. 1994*

**CM 34 MODELLING OF ESTUARINE
ENVIRONMENT: THE INDIAN CON-
TEXT**

K.S. Yajnik*

IOC sponsored training programme in Coastal
Management, Delhi, Nov. 1994

**CM 35 HIGH PERFORMANCE COM-
PUTING IN INDIA**

K.S. Yajnik*

*MSC NASTRAN USERS' CONFERENCE,
Bangalore, Nov. 30. 1994*