

Note: On account of the highly interactive nature of C-MMACS, some of the works referred below are authored by scientists working in several institutions. Due to restrictions on space, we indicate by an asterik mark (*) whenever an author is not a staff of the Centre.

Publications in Journals/Books

CM1 On Heat Transfer Augmentation using dilute gas-solid suspensions

A.N. Bhaskar* & M.S. Phanikumar, 1995
Transactions of the American Society of Mechanical Engineers, Journal of Heat Transfer, vol. 117, pp. 1191-1195

CM2 Astrogeodetic determinations of the Kinematics and internal deformation of the Indian plate

V.K.Gaur, 1995
Bull. Astro Soc. India, Vol 23, pp 359-369

CM3 Note on Modification of $n=0$ Equatorial Waves due to Interaction between Convection and Dynamics

P. Goswami & B.N. Goswami*, 1995
J. Atmos. Sc., Vol 52, pp 1423-1426

CM4 A Novel Neural Network Design for Long-Range Prediction of Rainfall Pattern

P. Goswami & Srividya*, 1996
Current Sc. Vol. 70, pp 447-457

CM5 Modelling of Soil Temperature Profiles using Data from the Pilot Experiment

B. Joseph & P. Goswami, 1996
Earth & Planetary Sciences, Vol. 105, pp.L191-L196

CM6 Stochastic -Chaotic Modelling of Earthquake Processes

P.S. Moharir* & V.K. Gaur, 1995
Ind. J. Pure Appl. Math., 26, No.6, pp. 599-605

CM7 Microstrain stability of peninsular India 1864-1994

J.Paul, F.Blume*, S.Jade, V.Kumar, P.S.Swathi, M.B.Ananda, V.K.Gaur, R.Burgmann*, R.Bilham*, A.Namboodri* & David Mencin*, 1995
Proc. Indian Acad. Sci(Earth Planet Sci.) Vol.104, No.1, pp.131-146

CM8 Eugenic Algorithm -based Search for Ternary Pulse Compression Sequences

R. Singh*, P.S. Moharir* & V.M. Maru*, 1996
J. Inst. Electron Telecomm. Engrs, Vol.42, No.1

CM9 Compound Chaos

R. Singh*, P.S. Moharir* & V.M. Maru*, 1996
Int. J. Bifurcation & Chaos, 6, 2

CM10 A Technical Note on Risk Assessment of Landslides

Sridevi Jade & S. Sarkar*, 1995
Journal of Engineering Geology, Vol XXII, No. 3

CM11 Modelling of Slope Failure using Global Optimisation Techniques

Sridevi Jade & Kusum Deep*, 1995
Journal of Engineering Optimisation, Vol 23
pp.255-266

CM12 Estimation of the Order of an Auto-Regressive Model

Sudarshan Rao N. & P.S. Moharir*, 1995
Sadhana, Vol.20, No.5, pp. 749-758

Presentations at Conferences, Symposia etc

CM13 Historic and current deformation in South Indian Peninsula using GPS measurements

J. Paul, V.Kumar, Sridevi Jade, P.S. Swathi, V.K. Gaur, R. Bilham*
IUGG, XXI General assembly, 1995

CM14 Direct determination of the relative velocities of the Indian Plate

Sridevi Jade, V.K. Gaur, J. Paul, V.Kumar, R. Burgmann*
IUGG, XXI General assembly, 1995

CM15 Modelling of Basin Scale Circulation

P.S. Swathi & K.S. Yajnik
International Seminar on Mathematical Modelling of Atmospheric and Oceanic Processes, Berhampur Univ., Berhampur, (Dec. 18-22, 1995)

CM16

K.S. Yajnik, 1995
National Seminar on Industry and R&D Interaction Leading to Globalisation, Bangalore (April 1995)

CM17 Modelling of Primary Productivity in the Arabian Sea

K.S. Yajnik & M.K. Sharada, 1995
GAIM First Conference, Garmisch-Partenkirchen, Germany, Sep. 25-29, 1995

CM18 A Mathematical Model of Marine Ecosystem

K.S. Yajnik & M.K. Sharada, 1995
JGOFS Workshop on 0- & 1-D Models of Carbon Cyclones in the Upper Ocean, Toulouse, France Nov. 27-Dec.5, 1995

Invited lectures

CM19 From Environmental Fluid Mechanics to Water Quality Modelling: A Road Map

K.S. Yajnik
Instructional Conference on Environmental Fluid Mechanics, Banagalore Univ., Bangalore (Nov. 27 - Dec. 1, 1995)

CM20 Modelling of primary productivity in Arabian Sea

K.S. Yajnik
Seminaires Lodyc, Laboratoire D'Océanographie Dynamique et de Climatologie, Paris, (October 1995)

CM21 Simulation Models for Modelling Bioremediation of Contaminated Soil Beds and Groundwater

K.S. Yajnik, T.R. Krishna Mohan, N.N. Dutta*, & R.K. Mathur*
NISA User's Conference, IISc., (Dec. 4-5, 1995)

CM22 Inaugural address

K.S. Yajnik *International Seminar on Mathematical Modelling of Atmospheric and Oceanic Processes, Berhampur Univ., Berhampur, (Dec. 18-22, 1995)*

Faculty Participation

CM23 Stochastic Time Series Analysis

N.K. Indira
Lecture delivered at IITM, Pune, May 1995

CM24 Faculty member, Training programme on Coastal marine pollution

M.S. Phanikumar

IIT, New Delhi, November 1995

M.S. Phanikumar

**CM25 Finite-difference methods for partial differential equations (25 lectures),
Department of Applied mathematics**

Bangalore university, Bangalore. (November 95 -January 1996)

M.S. Phanikumar

**CM26 Models for
waste disposal problems in the coastal
marine environment**

*Instructional Conference on Environmental
Fluid Mechanics, Bangalore University (Pro-
ceedings), January 1996*