



LABORATORY GOVERNANCE COMMITTEES

MANAGEMENT COMMITTEE OF C-MMACS

Chairman
Dr S K Joshi
Director-General, CSIR

Members and Invitees

Dr J Das, Scientist, IICB; Dr B N Desai, Former Director, NIO; Prof V K Gaur, Distinguished Scientist, C-MMACS; Dr V B Kaulajgi, Professor & Coordinator, IIM, Bangalore; Dr A P Mirra, CSIR, Bhatnagar Fellow, NPL; Dr T S R Prasada

Rao, Director, IIP; Dr P Rajagopalan, Secretary, ASSOCHAM; Dr K N Haju, Director, NAL; Mr N V Raman, Director, SERC; Dr P Rama Rao, Secretary, DST; Mr S C Samanta, ONGC, Madras; Dr R N Singh, Scientist, NGRI.

Member-Secretary
Dr K S Yajnik, Head, C-MMACS



OFFICERS

This list indicates the name, highest educational qualification and designation of the officer, and is based on the official record 1 June 1994

C-MMACS

Yajnik K S Dr, Ph.D., Sc (Director's Grade)
Gaur V K Prof, Ph.D., (C-MMACS Distinguished Scientist)
James M I Dr, Ph.D., Sc C

Krishna Mohan T R Dr, Ph.D., Sc C
Indira N K Dr, Ph.D., Sc C
Swathi P S Dr, Ph.D., Sc C
Phanikumar M S Dr, Ph.D., Sc C
Sridevi Jade, Sc B
Raghunath M D, M.Sc., Sc B
Sharada M K, M.Sc., Sc B

PROJECTS AND SERVICES

A2.1

R&D PROJECTS

A2.1A EXTERNAL PROJECTS

The projects details appear in the following sequence; title, leader, sponsor and value (Rs/Ankhs). This information has been retrieved from the projects database created at the ISS/PME Sections, and is based on the information available on 1 June 1994.

CSIR CENTRE FOR MATHEMATICAL MODELLING & COMPUTER SIMULA- TION

1 Ocean modelling studies; Yajnik K S;
DOD

2 Coastal pollution modelling; Yajnik K
S; DOD

3 Ocean modelling Phase II; Yajnik K S;
DOD

4 A neural network based atmos-
pheric prediction system; Goswami P;
DST

C-MMACS Collaborative Projects

5 Studies in geological fluid mechanics;
Yajnik K S; NGRI

6 Investigating strain fields in zones of
recent seismicity in southern peninsular
India; Yajnik K S; NGRI

7 Nondeterministic modelling of earth-
quake processes; Moharir P S; NGRI

8 Atmospheric photochemical modelling
to study global change and remote
computing; Belg G; NPL

C-MMACS

1 Studies in stochastic modelling and
data analysis; Indira N K;

2 Modelling stress in the Indian litho-

9 Computer aided chemistry; IICT

10 Characterisation of the dynamics of
a model biochemical reaction; Somdatta
Sinha; CCMB

11 Development of software packages
for chaos game representation of DNA/
RNA/protein sequences; Jyotirmoy Das;
IICB

12 Prognostic modelling of landslides;
Mehrotra G S; CBRI

13 Computer simulation of air-frame
and turbomachinery components for NC
machining; Haque C I; NAL

14 Strength contours of leather sur-
faces; Ramasami T; CLRI

15 Computer aided design of tunnels;
CMRS

16 Determination of material properties
of road pavement component layers
from surface measurement; Nanda P K;
CIIRI

17 Modelling of dispersion characteris-
tics of thermal discharges in Dahanu
creek; NEEFI

18 Modelling of microsegregation dur-
ing solidification of metallic alloys; Chal-
topadhyay S; IIML

19 Development of software package
for simulation of solidification in cast-
ings; Roshan Sasikumar; IITL Tiru

20 Development of a model for the ash
distribution in Indian coals; Dasgupta R;
CFRI

A2.1B INHOUSE PROJECTS

sphere and earthquake genesis; Gaur
V K;

3 Augmentation of computing facilities;
Thangavolu H P;

SERVICES ON EXTERNAL COMMITTEES / MEMBERSHIP OF PROFESSIONAL BODIES

Gaur Prof V K

1) Proceedings of the Indian Academy of Sciences (Earth and Planetary Sciences), Editor. 2) CSIR Committee of Earth, Atmosphere, Ocean and Environmental Sciences, Chairman. 3) Research Advisory Committee of CSIR Group of Human Resource Development, Member. 4) UGC Centres of Special Assistance at Indian School of Mines, Dhanbad and BHU Varanasi, Member Advisory Committee. 5) Indo-Russian Integrated Long Term Programme of Cooperation in Sciences, Area Chairman. 6) INSA-Russian Academy Cooperative Programme in Geomagnetism, Coordinator. 7) Indian National Committee for SCAR (Scientific Committee on Antarctic Research), Chairman. 8) International Association of Seismology and Physics of the Earth's Interior (INSPEI) Working Group on Dynamics and Earthquake Prediction, Member. 9) Council of the Indian Academy of Sciences, Member. 10) Working Committee of the Current Science Association, Member. 11) Indian National Science Academy, Member. 12) State Council of Science and Technology, Bhubaneswar, Member.

Swathi P S

1) DOD Ocean Modelling Studies Project, Member Secretary.

Yojnik Dr K S

1) Computational Fluid Dynamics Jour-

nal, Japan Society of Computational Fluid Dynamics, Japan, Member, Editorial Board. 2) International Journal of Computational Fluid Dynamics, Gordon & Breach, Switzerland, Member, Editorial Board. 3) Proceedings, (Math. Sci.) Indian Acad. Sci., Member, Editorial Board. 4) Journal of Aero. Soc. of India, Member, Editorial Board. 5) Asian Computational Fluid Mechanics Society, Member. 6) Project Monitoring and Advisory Committee, MONTCLIM Programme, DST, Chairman. 7) Advisory Council MONTCLIM Programme, DST, Member. 8) National Board of Higher Mathematics, Member. 9) Council, the Court and the Finance Committee, Indian Institute of Science, Bangalore, Member. 10) Governing Council, Indra Gandhi Institute of Development Research, Bombay, Member. 11) Research Council, NGRI, Member. 12) Research Council, Structural Engineering Research Centre, Ghaziabad, Member. 13) Academic Council, Cochin University of Science and Technology, Cochin, Member. 14) Working Group on Atmospheric and Marine Sciences, Indo-US S&T Subcommission, Member. 15) Standing Advisory Committee, Departments of Applied Mechanics and Computer Science, IIT Delhi, Member. 16) National Committee for IGBP, New Delhi, Member. 17) Steering Committee on Remote Sensing for Ocean Development, DoD, Member. 18) Steering Committee of Coastal Ocean Modelling and Prediction System Programme, DoD, Delhi, Member.