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B.K. Hazarika

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S.C. Raisinghani

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Paper

S.K. Sullerey

Chemical Engineering

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Srinagar, July 12-13, 1989, Presented a paper,
J.K. Gehlawat

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J.K. Gehlawat'

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Madras, March 30-31, 1990; Presented a Paper,
J.K. Gehlawat

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D.P. Rao

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Invited Speaker and Panelist: All India Seminar on the
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Industries, H.B.T.I., Kanpur, January 27,1990,
D.P. Rao

Invited Speaker: Round Table Discussion on National
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Development Agency, Baroda, September, 1989,
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1989, Presented contributed paper,
M.S. Rao

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New Delhi,
P.K. Bhattacharya

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Engineering at West Berlin (West Germany), 27-29 September,
1989, Presented contributed a paper,
Ashok Khanna

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contributed paper,
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**Symposium on TIFR Bombay presented a poster NcxJem Trends in
Inorganic Chemistry, Nov. 20-22, 1989
R. N. Mukherjee**

Iron Complexes of the Bis-amide Tetradentate ligand

**Preparation, Properties and Reactivity,
M. Ray and R.N. Mukherjee**

DST PAC, Inorganic Chemistry, Group Monitoring Workshop,

IACS, Calcutta Delivered Dec. 1, 1989 at lecture "Binuclear

**Iron Centers in Biology : Medel Compounds Studies
R.N. Mukherjee**

Chaired a session and led a panel discussion in the

International Conference, "XIV International Congress on

**Glasses, held at IISc. Bangalore, Nov.13-20, 1989
P. Raghunathan**

Civil Engineering

Regional Workshop on IRS-IA organised by UPRSAC, Lucknow,
N.K. Tripathi

National Workshop on Engg. with

March 7-9, 1990, Moderator

Methodology, .

M. R. Madhav

Geosynthetics, New Delhi,

for Session on 'Design

Int. Geotech. Conf. Vasakhapatnam, Dec. 16-18, 1989,

M. R. Madhav

Int. Workshop on Geotextiles and Geomembranes, Bangalore,

Nov. 23-28, 1989, Panelist and Speaker,

M.R. Madhav

Int. Symposium on Environment Pollution, Toronto, 1989,

Presented a contributed paper,

C. Venkobachar

XI .

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Presented a paper on mechanism of biosorption by *G. Lucidum* at Civil Engg. Dept., WSU, Detroit, U.S.A. in 1989
C. Venkobachar

Invited paper on "An expert System for Civil Engineering Applications", Inter. Conf. on Engg. Software, Dec. 4-7, 1989, New Delhi,
S. Parikh and N.S.V. Kameshwara Rao

Chaired Session on "Artificial Intelligence and Expert Systems", Inter. Conf. on Engg. Software, Dec. 4-7, 1989, New Delhi,
N.S.V. Kameshwara Rao

Chaired a Session at the 5th Inter. Conf. on Solid Waste Management and secondary Materials, Philadelphia, U.S.A., Dec. 5-8, 1989,
Umesh Dayal

34th ISTAM Conf. at Coimbatore: Presented a paper in "Equilibrium Threshold Channels", Dec. 27-30, 1989,
T. Gangadharaiah

Analysis of Transient in Homogeneous, Gas-Liquid Mixtures, 6th Inter. Conf. on Pressure Surges, Cambridge, England, 46, 1989,
B.S. Murty and M.H. Chaudhury

Presented a paper at Purdue Univ. Industrial Waste Conf., May 8-13, 1989 at Lafayette, Indiana, U.S.A. on "Colour Removal from Distillery Waste and Effluents"

Chaired a session of National Seminar on Detailing of R.C.C. and Steel Struct., Dec. 1989, Madras
P. Dayaratnam

Chaired a session. of National Seminar on Advances in Struct. Sciences, March 1990, Vizag.,
P. Dayaratnam

8th World Clear Air Congress of Exhibition (organised by
International Union of Air Pollution Prevention

Associations), Sept. 11-15, 1989, The Hague, Holland
(contributed paper)

D.K. Ghosh

International Conference' on Engineering Software, Dec.: 4-7
Dec, 1989, New Delhi, India. (contributed paper)

D.K. Ghosh

Computer Science & Engineering

XXIV Annual Convention of Computer *Society* of India,
Bangalore, (Contributed paper), Sepe. 1989 Computers in
communication (OQ~PCQ~ 89),..Allahabad, Nov. 1989,

G. Barna

I~IDLAN-90, Madras, Jan. 1990 (Contributed paper),
P. Jalote

Regional Workshop on CQmputer Processing of Asian Languages,
Sept. 26-28, 1989, AIT, Bangkok, Thailand (Session Chairman)

R.M.K. Sinha

10th International Conference on Pattern Recognition, June
17-21,1990, Atlantic City, NJ, USA

R.M.K. Sinha

Indo-US Workshop on Cooperative Resea rch in Computer
Science, CMC Hyderabad, July 89 (Invited paper)

R. Sangal

Int. Workshop on Parsing Technologies, CMU, Pittsburgh, Aug.

89 (Contributed paper)

R. Sangal

Int. Joint Ccmg. on AI, f)cl:rolt:, Aug. Bt)
R. Sangal

National Seminar on Common Core Grammar for Indian
Languages, CIIL, Mysore, March, 90 (Contributed paper. and
session chairman),
R. Sangal

8th FST and TCS, Bangalore, Dec. 1989 (Contributed paper and Session
Chairman)
S. Biswas

Indo-French Workshop on Theoretical Computer Science, Dec.' 89
{Invited paper}
S. Biswas

Indo-French Workshop on Theoretical Computer Science, Dec. 89
(Invited paper)
H. Kamick

National Seminar on Nil', Andhra, U., Vishkhapatnam, Dec. 89
{C~tributed paper}
P.V. Ramesh

National Seminar on NLP, Andhra U., Vishakhapatnam, Dec. 89
(Contributed paper),
... B. Srinivas and P.C.S. Sharma

National Seminar on NLP, Andhra U., Vishakhapatnam, Dec. 89
(Contributed paper),
P.V. Ravi Shankar

Workshop on AI, BITS Pilani, March 90 (Invited paper)
Milind A. Bhandarkar

Electrical Engineering

National Conference on Electronic Circuits & Systems, Univ. of Roorkee, Nov. 2-4, 1989. Chaired the Session on Image Coding on Signal Processing. Also presented a paper mentioned in (3) above.

Humanities and Social Sciences

DL: " " " " " " fir1n1f

Sectoral Disequilibrium and Macroeconomic Stabilization

Policies of the American Statistical Association meetings in Washington, D.C. August 1989
T.V.S. Rao

Indian Council of Philosophical Research (ICPR) Annual

Seminar: Human Action Butler Palace, Lucknow, March 27-29, 1990

Bi joy H. Boruah

Visiting Associate by the CSIR under the CSIR Visiting

Association Scheme for a period of three years(1990-92) to Collaborate with a group of Scientists at NISTADS, New Delhi, Project on the Scientific Community in India
E. HCiribabu .

In Search of. Quantum Reality: International Conference,

India International Centre, 40 Max Mueller Marg, New Delhi, Dec. 20, 1989-Jan. 2, 1990
N.K. Sharma

National Seminar on Linguistics and Language Teaching, Aligarh Muslim University" Jan. 16-18, 1990. Chaired the Session on Interlanguage and Language Acquisition.
P.P. Sah

Workshop on Creative Writing in English, IIT, Madras, Feb. 26-28. .
S.K. Aithal

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National Seminar on Hindu Grammatical Thought and Contemporary Linguistics Theories, Dec. 1 and 2, 89, organized by the Dept. of Linguistics, Bombay University "On the Centrality of the Lexical Item in Some Major, Modern Western Syntactic Theories and Traditional Indian Syntax".

B.N. Patnaik

National Seminar on "Art and Science of Translation", Dec. 18-19, 1989 organized by Centre of Advanced Study in Linguistics, Osmania University. "On Translation of Scientific Texts".

B.N. Patnaik

Dialogue between Sanskrit Scholars and modern Linguistics organized by Central Institute of Indian Languages at Tirupati from Jan. 8 to 10, 1990.

B.N. Patnaik

Seminar on Linguistics and Language Teaching, organized by Aligarh Muslim University, "Linguistics for Language Teaching", from Jan. 16 to '18, 1990.

B.N. Patnaik

Seminar on Development of Common Core Grammar for Machine Translation, 12 to 14 March, 1990, organized by Central Institute of Indian Languages, "On Core Grammar of Indian Languages for machine Translation"

B.N. Patnaik

XIV Triennial Conference of International Association of University Professors of English held at the University of Lausanne, Lausanne, Switzerland in August 1989

R.K. Gupta

Mathematics

A national seminar on harmonic Analysis was organized by Prof. U.B. Tewari

Mechanical Engineering

7th ISME Conference on Mechanical Engg. Feb. 1-3, 1990,
Delhi (Cochaired-Composite Materials),
Parshant Kumar

Presented two contributed papers at the' 1989 ASME National
Heat Transfer Conference, Philadelphia (USA) August 6-9,
P.S. Ghoshdastidar

Int. Conf. on Advances in Engineering Software, IIT Delhi,
Dec. 4-7, 1989, presented a paper'
K. Ramesh

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Metallurgical Engineering

Programme Management Board Meeting of National Mission of
Iron and Steel held at CPRI, CSIR, Dhanbad, April'89 and
RDCIS, SAIL Ranchi August 1989.
N.K. Batra

Fifty years of Metallurgy, B.E. College Calcutta, 8-9th
April, 1990, Presented an invited talk.
A. Ghosh

47th Annual Tech. Meeting NMD, Calcutta, Nov. 14-17th 1989;
presented a paper
D. Mazumdar and G. S . Upadhyaya

Conference on Mathematical Modeling of Metallurgical Process
NML Jamshedpur, Jan. 1990.
S.P. Mehrotra

I

Indo-US workshop on 'Interfaces: Structure and Properties'
at I. I. S.C., Bangalore, Dec. 1989.
G.S. Murty

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Powder Metallurgy Conference organised by DST, 24-25th Jan.,
1990 New Delhi-Invited Paper
C.S. Upadhyaya

Workshop on 'Prospectives in Engg. Profession BHU Feb. 1990.

presented an invited paper
C.S. Upadhyaya

National Round table discussion on Reduction,
laterites in Multiple hearth Furnace, April 6,
Bhuvansewar .

Roasting of
1990, R.R. L.

N. Chakraborti (invited panelist)

Physics

M2-S HTSC Conference, Stanford, USA, July 23-27, 1989,
contributed paper
R. Prasad

National Conference on Materials, Jaipur, Oct. 18-21, 1989,
Invited Talk
R. Prasad

National Conference on Band Structure and its applications,
Madras, Feb. 13-15, 1990, Two invited talks and chaired a
session.
R. Prasad

Phase Transitions, I [Sc Bangalore, Feb. 22, 1990, Invited
Talk
Vijay A. Singh

OST Sponsored SERC School on "Physics
held at BHU Varanasi, Jan. 8-28 1990,
lectures
Y. R. t. Jaghmare

of Rotating Nuclei" gave
a series of 7

Intl. Conf. on Materials and Mechanism of Superconductivity,
Stanford USA, July 23-28, 1989, presented 3 contributed
papers.

H.D. Bist

Raman Centenary Celebrations, Dec. 19E9

H.D. Bist

National Symposium on Lasers and Applications, Banaras, Jan.
1990

H.D. Bist

Int'l Conf. on High T: Superconductors, Bangalore, Jan. 1-9,
1990

H.D. Bist

National Symposium on Photophysics, Nanital, April 4-9,
1990.

H.D. Bist

Conf. on Lasers in Chemistry, June 11-15, 1990, Trieste,
Italy

H.D. Bist

Int'l Colloquium on Modern Quantum Field Theory, TIFR Bombay,
Jan. 8-14; invited participant.

R. Ramachandran

National Symposium on "New Perspectives in Physics, Utkal
University, Bhubaneswar, April 2-3, 1990; Invited Talk on
"Issues in Spin Physics".

R. Ramachandran

Int'l Colloquium on Modern Quantum Field Theory, Jan 8-14,
1990, TIFR Bombay

D. Sahdev

Recent Developments in Field Theory, March 19-23, 1990 IISc
Bangalore

D. Sahdev

Summer School in High Energy Physics and Cosmology, ICfP, Trieste, June
26 - July 15, 1989
D. Sahdev

National Symposium on Photoscience, Nainital, April 4-17, 1990; Chairman
of one session
K.K. Sharma

International Symposium on Medical Physics, Imaging and
Computer Application, AIINS, New Delhi, Feb. 21-23, 1990; Panelist.
R.C. Srivastava

CAE Symposium on Solid State Physics, IIT Madras, 18-21 Dec; presented
paper on "photoconductivity in Amorphous Silicon."
E. Bhattacharya

National Workshop on Neutron Powder Diffraction Technique, BARC
Bombay, 25 June - 1st July, 1989; Presented an invited paper on Ferrites
D.C. Khan

International Conference on Superconductivity, Bangalore, Jan. 10-14, 1990.
V.N. Kulkarni

Workshop cum Symposium on Beam and Plasma Applications in Materials
Technology, BARC, Bombay.
R.K. Thareja

National Symposium on X-ray Spectroscopy and Applications, Srinagar, Oct 7-10
1989; presented an invited paper and chaired a session.
R.M. Singru

Third National Symposium on Positron Annihilation and Compton Profiles,
Jaipur, Jan 16-19, 1990; Presented an
invited paper, chaired a session, Panelist in discussion.
R.M. Singru

U.G.C. Seminar on Management of Change, Bombay, April 17-19,
1990; Acted as Resource Person, Presented an invited paper.
R.M. Singru

13th International Conference on Amorphous and Liquid
Semiconductors, Asheville, North Carolina, USA, August 21
25, 1989, Chairing Session .
S.C. Agarwal

Indo-US Workshop on Electronic Materials, N.P.L. Delhi, Jan
17-19, 1990 Presented Invited Paper.

S.C. Agarwal
National Workshop on Renewable Energy Sources, Institute of
Engineering and Technology, Lucknow, March 24-25, 1990,
Presented Invited Paper.
S.C. Agarwal

Industrial & Management Engineering Programme

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Financial Innovation 9nd Project Management School of
Management, AIT, Bangkok, Thailand, November 27-December 1,
1989, Panelist on Computer Methods in Financial Planning.

T. P. Bagchi
Xth International Conference on Production Research, August
15-18, 1989.
J.L. Batra

Fifth National Convention of Production Engineers, (The Institution of
Engineers, India), Sept. 25-28, 1989, Roorkee
J.L. Batra

Third ORSA/TIMS Conference on FMB, August 14~16,1989, MIT,
USA. Kripa Shanker

International Conference on Engineering Software, Dec. 4-7,
1989, IIT Delhi (Paper and Session Chairman)
Kripa Shanker

TIMS XXIX-OSAKA 89 International Conference, JaFan, July 20

23, 1989
A.K. Mittal

Association of Indian Management Schools, New Delhi, August
28-29, 1989
A.K. Mittal

Second International Conference on Engineering Management,
Toronto, Sept. 10-13, 1989
A.P. Sinha

Advanced Centre for Macerials Sciences

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International Conference on Superconductors Bangalore, Jan,
1990, presented a paper
D. Bahadur

Materials Science Programme

"OOE Ivorkshop on Cerami: ~Iatrix Composites" Cornell Univ.,
Ithaca,USA~ May, 1989

Nuclear Engineering and Technology

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VII Conference of Indian Society of Mechanical Engineering,
IIT Delhi, Feb.1-3-1990

XVII Conference of the Indian Association for Radiation
protection, Allahabad, ~Iarch 1-3-1990

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10th Conference of the Indian Society for Heat and Mass Transfer, Srinagar, Aug., 1989.

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Chemical Engineering

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Dr. S. Pushpavnam spent his summer from May 15 to July 15, 1990 at C-~CS (National Aeronautical Laboratory, Bangalore) for doing work on (a) dynamics of non-linear systems (b) Water Pollution Modelling

Materials Science Programme

Dr. D.C. Agrawal visited the Materials Science and Engineering Dept. of Cornell Univ., Ithaca, ~.Y. USA during May 1 to July 15, 1989

Aerospace Engineering

3m x2.1m Low Speed Closed Circuit Wind Tunnel at IIT,
Kanpur, Aeronautics R&D Board, 1990-95 Rs.1.76 Crore

N.L. Arora, A.K. Gupta, N.G.R. Iyengar, A.S.R. Sai,
C.E., L.P. Singh, E.E.

Development of a Computer Code for Potential Solutions of 3-D

Transonic Flow Past Finite Wings by a Panel Method,

Aeronautics R&D Board, Rs.6.148 lakhs
N~L. Arora

Solution of 3-D Steady Transonic Flow Over Wings at Large
Angle of Attack-A Panel Method, Aeronautical Development
Agency, Rs.9.9 lakhs
N.L. Arora

Calculation of Quas:- Steady and Unsteady Damping
Derivatives in Pitch of Airfoils and Wings at Large
Incidence and Nonslender Axisymmetric Bodies at Zero
Incidence in Super/Hypersonic Flow by the Method of Unified
Similitude, Aeronautics R&D Board, Rs.1.308 lakhs
K. Ghosh

Design of Sandwich Panels with Composite Face Skins
Aeronautical Development Agency, Rs.1.026 lakhs
S. Kamle and N.9.R. Iyengar

Influence of Environmental Conditions on Fracture Toughness of
Fibre Composites, Aeronautics R & D Board, Rs.2.65 lakhs
N.G.R. Iyengar and B.D. Agarwal, M.E.

Prepreg Machine-Design, Fabrication and Testing, Aeronautics
R&D Board, 1989-91, Rs. 7.05 lakhs
N.G.R. Iyengar, Prashant Kumar, M.E. and
B.D. Agarwal, M.E.

LDA Measurements in Coaxial Jet Flows, Aeronautics R&D
Board, 1989-92, Rs.5.97 lakhs
R.K. Sullerey

Chemical Engineering

Production of Coke Formation During Naphta Pyrolysis, -DST,
1989-92, Rs.7.0 lakhs
D. Kunzru

Non-Newtonian Fluid Particle Systems, DST, 1987-90, Rs.4.89
lakhs
R.P. Chhabra

Safety and Reliability Studies in Chemical Process
Industries, MHRD, 8.00 Lakhs
Shanker Narasimhan

Hydrodynamics of Non-Newtonian Fluidised Beds, DST, 1987,
Rs.3.88 Lakhs
K.A. Narayan

Mathematical Modeling of Multicomponent Distillation Column,
DST, 1988-90, Rs.4.5 lakhs
D.N. Saraf

Olemistry

~lectronic Structural Analogues of the active sites of Cu-&Ni-proteins,
OST, 1989-91, Rs.4.5 lakhs
P.K. Bharadwaj

Studies on a mixed bismuth-transition metals, CSIR, 1989-91,
Rs.1.5 lakhs
P.K. Bharadwaj

Novel Macromolecular Systems, DST, 1988-91
v. Chandrasekhar

Organotin Clusters, CSIR:, 1989-92
V. Chandrasekhar

5-and~6 coordinate phosphone compounds, INSA, 1990, Rs.30,000/p.a~
V. Chandrasekhar

Structural Studies on model photosynthetic intermediates using August 1,
compounds: DST, Rs.1.68 1988 to July 31, 1991,
,240/
T.K. Chandrasekhar

Synthesis, Structure and charge transfer interactions of
Tetraphenylporphyrings containing heteroatoms other than nitrogen, CSIR,
June 1, 1988 to May 31, 1991, RS.1.54,800/
T.K. Chandrashekar

Proton Transfer.Reactions in the Excited states in Micelles, OST, 1988-91,
Rs.11,00,000/
S.K. Dogra

Homolytic Displacement at carbon in organocobaloxime, DST, 1987-90,
Rs.4.30 lhkhs
B.D. Gupta

Molecular Insertion inff organocobaloximes and thei r
biological relevance to B Coenzyme, CSIR, Rs.2.20 lakhs
B.D. Gupta

A Cyclic Stereoselection, OST, 1987, Rs.6 lakhs
Javed Iqbal

Cobalt Catalysed reactions, CSIR, 1988, Rs. 2 lakhs
Javed Iqbal

Probe into the structure .of the .active site of binuclear
iron centers in Hemerythrin : A Synthetic Analogue approach,
OST, 2.1. 1989 to 1. 1. 1991 ~ Rs. 1 ,28 ,500/ =
R.N. Mukherjee

Binuclear Iron Centers in Biology : Model Compound Studies,
OST 14.4.1989 to 14.4.1992, Rs.S,34,330/= ,
R.N. Mukherjee

Stabilization of the FeIV=O moiety present in
Pey Oxidase: A Synthetic Analogue Approach CSIR, Horseradish
28.2.1991, Rs.1,32,900/ 1.8.1988 to
R.N. Mukherjee

EPR spectroscopic iryvestigations of molecular organisation,
dynamics and photochemistry at the IE!cithin water inteJ'face,
CSIR Project, 1990-92, Rs.7S;900/
P. Raghunathan

Studies on chemical .interactions in search to a model for

chemical evolution, OST, 1986-91, Rs.9.15 lakhs
s. Ranganathan

Protein engineering : Site specific protein modification,
CSIR, 1989-92, Rs.2.3 Lakhs
S. Ranganathan

Protein engineering : Central approach to coded aminoacids,
IEL, 1989-93, Rs.1.9 lakhs
s. Ranganathan

Total Synthesis of Vitamin 03 metabolites, DST funded,
concluded March 1990 after three and half yrs. Rs. 6.3 lakhs
¥.O. Vankar

Chiral acetals in organic synthesis : Development of newer synthons and their use in the synthesis of Paniculides, Prostaglandins, Bicyclic lactones, CSIR funded, In, Progress.,
Rs.1.5 lakhs
Y.D. Vankar

Civil Engineering

Magnetotelluric Model Studies, DST, New Delhi, 1988-90, Rs.2.66 lakhs
R.P. Singh

Magnetotelluric Model Studies of Sedimentary Basins of India, DST, New Delhi, 1988-90, Rs.85,000
R.P. Singh

Software and Database on Environmental Engg., MHRD, 1988-91, Rs.33.75 lakhs,
V. Tare

Development and Evaluation of Xanthate Process for Removal and Recovery of Heavy Metals from Industrial Effluents, CSIR, New Delhi, Completed in Nov. 1989, Rs. 2.75 lakhs
M.R. Madhav

Modelling Seepage Through Masonry Dams, Central Board of Irrigation & Power, 1988-91, Rs.2.75 lakhs
M.R. Madhav

Removal of Enteric Viruses from Water by Coal-Based Sorbents and Development of Low Cost Domestic Water Filters, Inter. Development Research Centre, Ottawa, Canada, 1987-90, Rs.5.66 lakhs
Malay Chaudhuri

Hydraulic Characteristics of Trench Weirs, CSIR, 1988-90, Rs.1.25 lakhs

Mathematics

Peristalsis in Physiological System, CSIR, Rs.1.87,300
 . Punyatma Singh

Dispersion of Air Pollutants and its Control by Green Belt, Department of Environment, forests and wildlife, Rs.1,63,200
 J.B. Shukla

Mechanical Engineering

Modernisation of Lab Automation in Mechanical Engg. Dept., MHRD, Rs.20 lakhs
 M.M. Oheroi

Computer Aided Manufacturing, MHRD, Rs. 20 lakhs
 Kripa Shankar

Robotics, MHRD, Rs. 50 lakhs
 A. Ghosh

Fatigue Behaviour of Advance Composites for Air Crartr Structures with emphasis on Dam~ge Indentification and Characterization, ARDB, Rs.18.1 lakhs
 B.D. Agarwal

Development of CAD Soft~;are for Machine Elements and Menu Window, ADA, Rs. 10 lakhs
 B. Sahay

Application of Image Processing Technique to the Determination of SFT in Orthopic Composites Materials, ARDB, Rs.3.13 lakhs
 K. Ramesh

High Critical Temperature Superconductivity through Micro and Time resolved Raman, Luminiscence and Absorption studies, OST, 1988-90, Rs.12.00 lakhs

H.D. Bist

Phase Transitions in Solids Using Laser Raman Spectroscopy, ffit, 1989-90, Rs.3.00 lakhs

H.D. Bist

Micro Raman Studies of High Tc Superconducting Materials, ffit, 1988-91, Rs.6.5 lakhs

H.D. Bist

Ultra "High Resolution Studies of ions and crystals using Laser- RF Ibuble Resonance Technique, DST, 1987-90, Rs. 2.4 lakhs

K.K. Sharma

Development'of Fuel Efficient Kerosine Lamp, Indian Oil Corporation, 1989-90, Rs.1.66 lakhs

K.K. Sharma

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Theoretical Physics Seminar Circuit, DST, 1989-92, Rs.40,000 per year

R. Ramachandran

Studies on Numerical Weather Prediction related to Monsoons, NSF, 1987-89, Rs.10.6 lakhs

R. Ramachandran

Statistical Methods in Gauge Theories and ~trings, DST, 1990-93, Rs.6.47 lakhs

R. Ramachandran

Research Collaboration in Theoretical Physics, ICTP, Trieste, Italy, 1987, Rs.50,570

R. Ramach~njan

Study of High Tc Superconducting materials by ion beam backscattering, chanelling, positron annihilation and Mossbauer spectroscopy, DST, 1988-91, Rs.5.00 lakhs .

R. M. Singru

Computer literacy and studies in Schools (CLASS), NCERT,
1986-91, Rs.1.00 lakhs
R.M. Singru

Materials for Possible High Tc Superconductors, DST, 1988

on going, Rs.7.80 lakhs
K. Shahi

Industrial & Management Engineering

विद्युत, त्रुटि न- त-र"{} ""~

National Technical Manpower Information System, MHRD, 1984,
Rs.1.86 lakhs (yearly grant)
Kripa Shanker

Computer-Aided Manufacturing, MHRD, 1987, Rs.20.0 lakhs
Kripa Shanker

Computer-Aided Process Planning and Computer-Aided Tool
Inventory System, ADA Bangalore, 1988, Rs.6.0 lakhs
Kripa Shanker

System Optimization Laboratory ~lodemization, MHRD, 1987,
Rs.10.00 lakhs
Kripa Shanker

Strengthening Activities in the Area of Ergonomics, MHRD,
1988, Rs.15.00 lakhs
J. L. Batra

Developmet of Teaching Aids in Computer-Integrated
Manufacturing Systemsd, MHRD, 1990, R\$.12.0 lakhs
Kripa Shanker

Materials Science Programme

"Materials for Possible High T_c Superconductors", DST-PMB,
1988-91, Rs.10 lakhs
K. Shahi

"Coated Ceramic Piezoelectric Materials", DOE,
1988-91, Rs.9.50 lakhs
D.C. Agarwal

"Hydrogen Absorption and Isotope Effects in Vanadium Oxides

and Related Composites", DAE,

P. Raghunathan, S. Gupta, K.N. Rai & Jitendra Kumar

"Preparation and Characterization of Tetragonal Zirconia
Potassium Oxide", DAE, 1989, Rs.61,500
D.C. Agarwal

"Development of Non-crystalline and Micro-crystalline
Materials", MHRD, 1989, Rs.20 lakhs
D. C. Agarwal

Advanced Centre for Materials Science - IIT Bombay

Electronic properties of Quasicrystals, OST, 1989-92
D. Bahadur

Development of hexaferrite based glass ceramics, CSIR, 1989
92
D. Bahadur

Physics and applications of high T_c superconductors, DST;
1988

A.K. Rajamdar, K.P. Gupta, D. Bahadur

Aerospace Engineering

Air Intake Studies, Aeronautical Development Agency, 1989-90, Rs.1.68 lakhs

V. Gupta & N.L. Arora

Model Test for RCC Multiflue Chimney at Meija Thermal Power

Station, Damodar Valley Corporation, Calcutta-, 1989-90:
Rs.0.70 lakhs

D. Yadav and A.K. Gupta

Aircraft Response to Runway Roughness and Optimal Anti Skid Braking during Landing, Aeronautical Development Agency: 1989-90, Rs.1.30 lakhs

D. Yadav and N.G.R. Iyengar

Experimental Investigations on Internal Flows in Curved

Diffusers, Aeronautical Development Agency, 1989-90, Rs.1.22 lakhs

R.K. Sullerey

Aerodynamic Design of Ceiling Fan Blades, Agra Engineering Industries, Agra, 1987-90, Rs.0.44 lakhs

R.K. Sullerey

Chemical Engineering

Comprehensive Report on Starch Sugars, TIFAC, Dept. of
Science & Technology, New Delhi, 1989-90, Rs.15,000
J.K. Gehlawat

Civil Engineering

Magnetotelluric Field Studies in Deccan Trap Regions,
Consultancy by ONGC, Dehradun, 1989, Rs. 5.44 lacs,
R.P. Singh

Analysis and Design of RCC Box Girders for the Proposed Fly
over at New Domestic Terminal, Bombay Airport, Consultancy for
Semac Pvt. Ltd., New Delhi, Rs. 35 lakhs,
S.K. Chakrabarti

Computations of Stress-Spectra and Stress-Cycles for Railway
Bridges, Consultancy for ROSO, Lucknow, Rs.90 lakhs
S.K. Chakrabarti

Testing of a RCC Building Frame and Associated Structures
Apparently Damaged due to Fire, NBCC, HAL Kanpur, Rs.12,500
S.K. Chakrabarti

Seven Structural Testing Projects, Consultancy for different
leading firms Rs.701000
S.K. Chakrabarti

Evaluation of Sites for Nuclear Power Plants, Consultancy for
Nuclear Power Corp. 1990-91, Rs.25,000
M.R. Manjiv

Scrutiny of Technical Report for ETP, Consultancy for
Mishra Infrapore Sugars Works, 1989-90, Rs. 8000,
C. Venkateshwar

Site Investigation, Field testing and Foundation Design,

Consultancy for FGU, Thermal Power Project, 1989, Rs. 5 lakhs

N.S.V.K. Rao

Use of Ash in Embank Construction for Ash Disposal Area a~

Korba Super Thermal Power, Consultancy for NTPC, Rs.2,30,000

Umesh Dayal

Structural Design of Multi Storey BUilding, Consultancy for

PWD, Rs.72,000

P. Dayaratnam .

Struct. Safety Analysis of Aircraft hangers, Consultancy for

HAL, 1989, Rs. 75,000

P. Dayaratnam

. Structural Design & Model testing of Shell, Consultancy for

EG1, New Delhi, 1989, Rs. 62.,000

Electrical Engineering

Bilingual Electronic Typewriter-Mis Auto Controls Pvt. Ltd. ~
completed in 1989 (1988-89), Rs.30,000

R.N. Biswas

Planning Studies UPSEB, UPSEB Lucknow coated, Rs.24,000 pe~
year

L.P. Singh

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Humanities & Social Science

Design and Planning (of Dwarkadheesh Charitable Trus::
temple), J. K. Cement Nov. Works, Nimbehera, Rajasthan, fro:::
88 - Aug. 89
Arnit Ray

XI.1LS

Materials Science Programme

Texture Analysis of Pore Distribution in ICI Catalysts, ICI,
1990, Rs.22,500
K.N. Rai

Development of Industrial Catalyst, ICI, 1990, Rs.20,000
K.N. Rai

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Aerospace Engineering

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S. Pradeep

Chemical Engineering

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J.K. Gehlawat

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FL, USA, December 1989
S. Bhatia

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D.N. Saraf & D. Kunzru

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J.K. Gehlawat

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Civil Engineering

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D.K. Ghosh and B.R. Maiti

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Removal and Recovery of Heavy Metals from Industrial Effluents, in Pollution Management in Industries, Environmental Publications, Karod, India, 1989, pp. 167-189,

V. Tare

Treatment and Disposal of Distillery Wastes, in Pollution Management in Industries, Environmental Publications, Karod, India, 1989, pp. 1-13
V. Tare

Domestic Water Treatment for Developing Countries, (Chapter '8) in Drinking Water Microbiology, Sprungerverlag; New York, 1990 .
Malay Chaudhari and A. Syed Sattar

Treatment of Nitrogenous Rich Fertilizer Waste Water, chapter 17 in Book Water Pollution (Conservation and Management) Gyanodaya Prakashan, Nainital, 19-183-192 (1989),
A.V.S.P. Rao

Book Design of Steel Structures, A.H. Wheeler, Allahabad, 1990
P. Dayaratnam

Water Resources Engineering through objective questions, *Mis* Tata McGraw Hill Pub. Co., New Delhi, 1990

Computer Science & Engineering

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G. Barua

Relevance of Computational Paradigm to Cognitive Theories Appeared in Aspects of Human Communication, L. Krishnan, B.N. Patnaik, N.K. Sharma (eds.) Mittal Publication, Net.) Delhi, 1989, pp.109-114  
S. Biswas

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Aspects of Human Communication, L. Krishnan, B.N. Patnaik,  
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Rajeev Sangal

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H. Karnick

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#### Humanities & Social Sciences

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P. Cr.aubey Indian Social Science Academy, Allahabad

Five Year Plans: Science, Technology and Development, CoauthOred  
with B.' Sarkar, in the above book

Communication in Tribal Development. Some observations in L. Krishnan,  
B.N. Patnaik and N.K. Sharma (ed.) Aspects of Human Communication,  
New Delhi: Mittal, 1989 pp.155-163  
E. Haribabu

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L',Krishnan, B.N. Patnaik & N.K. Sharma (eds.)

Book Chapter: Language, Thought, and communication. N.K. Sharma & G.  
Kurian in L. Krishnan et al., 1989 pp. 95-105

Issues in Social Demography, Mittal Publications, Delhi, 1989  
A.K. Sharma

Developing the Underdeveloped: A Social-Psychological Study,  
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A.K. Sharma

Book Chapter: Family Planning Communication in India, in Sawhney Nirmala  
O.P. Vig and P.P. Talwar (eds) 1989 Present Family Welfare Strategy: Some  
Alternatives, Population Centre, Lucknow  
A.K. Sharma

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Rajendra Pandey

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Opportunities Allahabad: Chugh Publications, 1990  
Rajendra Pandey

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Human Communication Mittal Publication, New  
Delhi. edited by L. Krishnan, B.N. Patnaik, and N.K. Sharma  
P.P. Sah

The Structure of Modern English, Block 3, MORPHOLOGY-1 Indira Gandhi  
National Open University, New Delhi  
P.P. Sah

The Structure of Modern English, Block 4 MORPHOLOGY-2 Indira  
Gandhi National Open University, New Delhi  
P.P. Sah

Development of Weaker Sections: Problems, Policies and Issues, Uppal  
Publications, Delhi, 1989 Oct.  
S. Omprakash

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R.R. Barthwal

Aspects of Human Communication, New Delhi: Mittal Publications, 1989

L. Krishnan, B.N. Patnaik & N.K. Sharma

Economic Efficiency of the organizational decisions of the Firm (Heidelberg: Springer Verlag, 1989)

T.V.S. Rao .

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Aerospace Engineering

Institutions of Engineers (India) Certificate of Merit for a paper by Dr. R.K. Sullerey published in IE Journal.

Olemical Engineering

1989 Mrs. Chinnamaul Memorial Prize for Best Technical Paper presented at the 1988 Annual Session of the IChE, S.K. Gupta

1989 Mamber Research Advance Committee of IPCL Research

Cent re, Ba roda  
S.K. Gupta

Awarded Alexander van-Humboldt Research Fellowship, FRG, K.A. Narayan

~DCIL Award of Indian Institute of Chemical Engineers, 1989

for excellence in'Design and Development *of* Chemical Process

Plant and Equipment  
D.N. Saraf





Appointed as member of an "Expert Group" on Sugar Industry  
constituted by TIFAC, in the Dept. of Science & Technology,  
New Delhi  
J.K. Gehlawat

Chemistry

1989 INSA Young Scientist Medal  
v. Chandrasekhar

Elected member of "International Advisory Scientific  
Committee (only one from India) for the IV International  
Symposium on Quantitative Luminescence spectrometry in  
Biomedical Sciences" to be held at State University of  
Ghent, Belgium during May, 1991.  
S.K. Dogra

i) Fellow of Indian Academy of Sciences, Bangalore

ii) Yadunapali Memorial Award of Indian Chemical Society  
N. Sathyamurthy

Awarded Dr. Basudev Banerjee memorial medal and prize of  
Indian Chemical Society for 1989.  
Y.D. Yankar

Civil Engineering

Maharashtra Pollution Control Award for best paper presented  
at IAEM 1989 Annual Conference and Exhibition,  
"Environmental Engg. Software-An Indian Scenario"  
Parmeshwar Funkwal and V. Tare

## Electrical Engineering

The Certificate of merit by Institution of Engineers (India)  
for the paper "Optimal Load Scheduling Appeared in 1989

## Physics

Dr. J. K. Bhattacharjee \, 'as elected as member of New York  
Academy of Sciences

R. Ramachandran \Was elected as Fellow, Indian Academy of  
Sciences, Bangalore

Dr. S.C. Agarwal was elected Member, Mott Award Committee  
(1989)

Dr. S.C. Agarwal \, 'as elected as Member Advisory Editorial,  
Journal of Non Crystalline Solids (USA)

## Mathematics

Prof. U.B. Tewari was elected a fellow of the National  
Academy of Sciences, Allahabad

Prof. C.K. Shukla \Was elected to the Executive Council of the  
International Biometric Society

## Materials Science Programme

Dr. D.C. Agrawal was appointed Member, Project Advisory  
Committee, Ceramic Technology Institute (LNDP Sponsored)