

Nistads International Workshop on

**"Emerging trends in science and technology indicators:
Aspects of collaboration"**

20-25 February, 2001

**CSIR Science Centre, Gate No.2, Lodi Gardens, Max Muller Marg, New Delhi 110 003
(Ph: 4603803-05 Fax 4697178)**

20 February (Tuesday)

1000-1100

Inaugural session

Rajesh Kochhar : Welcome
R.A. Mashelkar : Inauguration
Hiltrun Kretschmer : Introduction to COLLNET
Grant Lewison : Keynote speaker
Rainer Voss : Keynote speaker

11.00-1130

High Tea

1130 - 1330

**Technical Session I: Collaboration Studies - Basic Issues,
Concepts, Methodologies**

Chair : Dhruv Raina

Khaiser Nikam: Research Collaboration in the Discipline of
Anthropology: A Study

S.Visalakshi: Status and Implications of Collaboration in
Hybridoma Research (1993-1999) - A Bibliometric Analysis

Lidiya Kavunenko and Liliya Boyko: International Scientific
Networks as Tool for Scientific Co-operation

Liang Liming: The Role of Productive Scientists in Scientific
Collaboration

S.L. Sangam: Collaborative Research in the Field of
Sociology

Prabir Ghoshdastidar and Sujit Bhattacharya:
Oceanography Research Across the Countries: A Cross-
National Assessment

1330-1400

Lunch

Contd...

20 February (Tuesday)

Contd...

1430-1600

Technical Session II: Collaboration Studies - Basic Issues, Concepts, Methodologies (contd..)

Chair: Liang Liming

Aparna Basu and Grant Lewison: Collaboration in the Field of Astronomy and Astrophysics in India in the 90's

Hildrun Kretschmer: Co-Author Couples Distribution in Journals

S. Ravi, K.Adhinarayanan and Suresh Kumar : Growth and Collaboration Trends in Biotechnology Research Literature: A Case Study of India and China, 1981 to 1998

Bharvi Dutt, Anita Bali and K.C. Garg: Collaboration in scientometrics as viewed through the journal *sceintometrics*

K.C. Garg, and P Padhi: A Study of Collaborations in Indian Laser Science and Technology

B.M.Gupta, S.M.Dhawan and R. Walke: Indo-Russia Collaboration in S&T

1600-1630

Tea

Chair: Ravichandra Rao

Frank Havemann: Research Collaboration and Productivity

H.P. Sharma and S.K. Sen: Changing Nature of Collaboration in Superconductivity Research: a Case Study"

B.K. Pattnaik: Determinants of Scientific Productivity: A Study Among Indian Academic Scientists

Workshop Dinner at 1930 hrs

Venue: CSIR Science Centre, Gate No.2, Lodi Gardens, Max Muller Marg, New Delhi 110 003

21 February (Wednesday)

- 1000-1100 **Technical Session III: Collaboration in countries regions and fields**
Chair: Hildrun Kretschmer
P.S. Nagpaul: Exploring the Effect of Research Fields on the Pattern of Regional Cooperation in Science
Grant Lewison and: **Ylle Must:** Estonian International Co-operation in Science in the 1990s: New Politics, New Methods
N.C. Jain, A Mishra and K Satyanarayana: Analysis of HIV/AIDS Research - A Need for Global Collaboration
- 1100-1130 Tea
- 1130-1330 **Technical Session IV: Collaboration Aspects: An Introspection From Non-Bibliometric Perspective**
Chair: Grant Lewison
Liu Zeyuan: On Scientometrics - Based Institutional Science Studies
Ow Siew Hock: Trends and Collaboration of Government Sponsored Research in S&T in Malaysia
Usha Menon: Mode 2 and Situated Collaboration
- 1330-1430 Lunch
- 1430-1530 **Technical Session V: Collaboration Aspects: An Introspection From Non-Bibliometric Perspective (contd..)**
Chair: B.K. Pattnaik
Lars Fuglsang: European Co-operation in the production of television news
Dinesh Abrol and **L.Pulamte:** Regional exclusion from collaboration for innovation: Underdevelopment of technological infrastructure in northeast India
Albert Araoz (to be presented by **Prodosh Nath**): Institutional networks for scientific and technological cooperation
- 1530-1600 Tea

contd...

21 February (Wednesday)

Contd...

1600-1730

Poster Session

Nirmal Haritash, and B.M.Gupta: Collaboration among MPs and Political Parties in Raising S&T Issues in the Parliament (A Scientometric Analysis)

Mohsin U. Khan: Indicators of techno-management capability building in Indian industry

Ramesh Kundra, Hildrun Kretschmer and Theo Kretschmer: Two-dimensional collaboration patterns in Indian medical institutions

Usha M Munshi and Divya Srivastava: Citoanalytical Study of Collaboration Pattern of Indian Scientist: (Based on Science Citation Index 1989 and 1999)

Bidyarthi Dutta, Anup Kumar Das and B.K. Sen: Self impact factor: An indicator based on journal self citation

22 February (Thursday)

1000-1100

Technical Session VI: Measuring technological collaboration

Chair: Frank Hartmann

Robert Dalpe, L. Bedard and M. Ippersiel: Interaction between Science and Technology in Photodynamic Therapy

Sujit Bhattacharya: Reflections into the Patenting Activity of India and China: Pre and Post WTO Period

P.R.Bose and Sujit Bhattacharya: Impact of foreign technological collaborations in industrial development - the case of Indian cement industry

1100-1130

Tea

1130-1300

Technical Session VII: Innovation Studies

Chair: Ow Siew Hock

Rainer Voss: Innovation Networks and Regional Clusters in Biotechnology

Brandt Martina and Ulla Grosse: Women in Innovation Processes - a Quantitative Analysis in the Field of Biotechnology

Frank Hartmann: Technology Assessment for Innovation Lines in the Field of Plant Genetic Engineering

1300-1400

Lunch

1400-1530

Technical Session VIII: General issues related to S&T indicators

Chair: Hiltrun Kretschmer

Lalsiemlien Pulamte and Dinesh Abrol: Technology Transfer to Rural Areas from CSIR Laboratories: Towards an Assessment of Networking Practices

S.S. Srivastava, P.K. Saxena, B.M.Gupta and Suresh Kumar: Statistical Research in India (A Scientometric Analysis)

Santanu Roy and P.S.Nagpaul: A Quantitative Evaluation of Relative Efficiencies of Research and Development Laboratories: A Data Envelopment Analysis Approach

1530-1600

Tea

contd...

22 February (Thursday)

Contd...

1600-1630

Technical Session IX: General Issues Related To S&T Indicators (contd..)

Chair: P.S. Nagpaul

Roland Wagner Dobler and **Dimiter Tomov**: Effects of Cancer Research on Cancer Mortality - A Tentative Case Study Of Long-Term Effects Of Pure Bio-Medical Research On Human Health

R Chakrabarty and **N.K. Patra**: A Statistical Model for Innovation Diffusion and the Corresponding Tests

S Pruthi: Indicators of Inventive Activities: A case study of India during liberalisation

1630-1730

Concluding Session

A panel discussion

* For any further details regarding presentation, may please contact Dr Sujit Bhattacharya