Dengue-4 (611319) strains were prepared, and lyophilized. 9110641, 9110642), West Nile (672698, G-15578, 804987, 804989), Dengue-2 (TR-1751) and India including NIV. Virus pools of Japanese encephalitis (P-20778, 9110637, 9110640, 2002 for celebrating World Lab Animal Day. One-day Workshop on "Laboratory Animals" was organized on 24th April 2002 for celebrating World Lab Animal Day. One-day Workshop on "Ethics and Guidelines in Animal Experimentation" was organized on 20th Dec. 2002. Guest speakers delivered lectures on various aspects of Laboratory Animal Science. A Meeting of the Institutional Animals Ethics Committee (IAEC) was conducted on 27th December 2002 for evaluation/approval of the 17 various aspects of Laboratory Animal Science. A Meeting of the Institutional Animals Ethics Committee (IAEC) was conducted on 27th December 2002 for evaluation/approval of the 17 research projects. Attempts were made to meet the various requirements laid down by the IAEC/ICPSEA pertaining to the Laboratory Animals. A Handbook on "Activities of Division of Lab Animals", Leaflet in Hindi language on "Buffalopox Zoonosis", Posters on "Buffalopox Zoonosis" & "Use of Laboratory Animals in Bio-medical Research" were prepared for ICMR Day & NIV Golden Jubilee celebrations. Services of a Veterinarian are being availed for the work of health monitoring of laboratory animals. A staff member of the division was deputed to ACTREC (Cancer Research Institute), Services of a Veterinarian are being availed for the work of health monitoring of laboratory animals. A staff member of the division was deputed to ACTREC (Cancer Research Institute), University of Munich, Germany, on coded virus samples for rapid morphodiagnosis, our facility successfully qualified based on performance, to be part of a global consortium of EM labs for providing rapid diagnosis (Hazelton P, Gelderblom H Emerg Inf Dis 2003;9:294). Various species/strains of laboratory animals were successfully bred maintained and supplied to NIV scientists. The surplus animals were supplied on request to various CPCSEA registered research organizations. Blood samples from Guinea pigs, Rabbits, Sheep, Fowls/Chicks, and Geese were also supplied to NIV scientists as well as various research institutions in Pune. As a part of CPCSEA activity, a Seminar on "Laboratory Animals" was organized on 24th April 2002 for celebrating World Lab Animal Day. One-day Workshop on "Ethics and Guidelines in Animal Experimentation" was organized on 20th Dec. 2002. Guest speakers delivered lectures on various aspects of Laboratory Animal Science. A Meeting of the Institutional Animals Ethics Committee (IAEC) was conducted on 27th December 2002 for evaluation/approval of the 17 various aspects of Laboratory Animal Science. A Meeting of the Institutional Animals Ethics Committee (IAEC) was conducted on 27th December 2002 for evaluation/approval of the 17 research projects. Attempts were made to meet the various requirements laid down by the IAEC/ICPSEA pertaining to the Laboratory Animals. A Handbook on "Activities of Division of Lab Animals", Leaflet in Hindi language on "Buffalopox Zoonosis", Posters on "Buffalopox Zoonosis" & "Use of Laboratory Animals in Bio-medical Research" were prepared for ICMR Day & NIV Golden Jubilee celebrations. Services of a Veterinarian are being availed for the work of health monitoring of laboratory animals. A staff member of the division was deputed to ACTREC (Cancer Research Institute), University of Munich, Germany, on coded virus samples for rapid morphodiagnosis, our facility successfully qualified based on performance, to be part of a global consortium of EM labs for providing rapid diagnosis (Hazelton P, Gelderblom H Emerg Inf Dis 2003;9:294).
Services and Supplies

Papers Published by NIV Scientists from 1.04.02 TO 31.03.03

14. Mahadev PVM. Epidemiology, ecology, control and prevention of Dengue and its significance as zoonosis. *Fifth All India Conference of Association of Public Health Veterinarians (APHV) and National Symposium on Veterinary Publ Health (in containing Bioterrorism)*, 2002; 139-54.
18. Mourya DT, Pidivari V, Patel M, Gokhale MD, Shouche Y. Midgut bacterial flora of...


Participation of Scientists in important meetings / seminars / symposia

Dr. A.C. Mishra, Officer In-Charge

1. Meeting at ICMR HQs, New Delhi on 22nd May 2002.
2. MCC meeting at ICMR HQs, New Delhi on 13th June 2002.
3. Meeting in ECD at ICMR HQs, New Delhi on 17 July 2002.
4. SAC meeting of CRME at Madurai on 23rd September 2002.
5. Anomaly Committee mtg at ICMR HQs, New Delhi on 21st and 22nd September 2002.
6. Influenza meeting at ICMR HQs, New Delhi on 23rd September 2002.
7. Meeting of the National Development Council (NDC) at Ministry of Health, New Delhi on 15th December 2002.
8. Expert Group meeting under the chairmanship of Prof. N.K. Ganguly regarding Construction of High Containment Lab (BSL-3 level) at NICD, New Delhi on 13 January 2003.
9. Meeting of Directors/OICs of Institutes at NIRRH (IRR ICMR), Mumbai on 18th and 19th January 2003.
10. Scientific Advisory Group (SAG) of Division of ECD at ICMR HQs, New Delhi on 13th an 14th February 2003.

Dr. (Mrs.) B.L. Rao, Sr. DD

1. Meeting of Task Force on Influenza at ICMR, HQ, New Delhi on 5th September 2002.
2. Delivered a talk entitled, “Acute Respiratory Disease: Viral Mycoplasmal and Chlamydial Infections” at the Fourth Sir Dorabji Tata Symposium organized by the Sir Dorabji Tata Centre for Research in Tropical Disease in association with Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore on 10th and 11th March 2003.

Dr. G. Geeverghese, Sr. DD

International Symposium on “Challenges in Malaria & Prospects for Research”, organized by Malaria Research Centre, New Delhi from 29th to 31st October 2002.

Dr. (Mrs.) S.D. Kelkar, DD

1. Progress report of the project entitled, “Isolation and analysis of rotavirus, causing severe diarrhoea from hospitalized children in Pune, India.” (from 27th September 2001 to 26th September 2002), was presented at the PAC meeting of DST held at Pur, Orissa from 27th to 29th October 2002.
2. A meeting to draw Master Plan for Stem Cell Programme organized by Interactive Research School for Health Affairs (IRSHA) of Bharati Vidyapeeth Deemed University, Pune on 22nd March 2003.

Dr. (Mrs.) L. Badam, DD

Dr. D.T. Mourya, DD
1. "Short Term Training Course in Automation and Molecular Biology Techniques in Infectious Disease Diagnosis" At All India Institute of Medical Sciences, New Delhi from 1st to 25th May 2002.
2. One day roving seminar on “Intellectual Property Rights in Biotechnology” arranged by DBT and NCCS at Pune University, Silchar on 24th April 2002.
4. XX Annual Conference of Indian Society of Medical Society conducted by ISMS at New Delhi on 17th September 2002.

Dr. A.K. Gupta, AD
2. Attended the IAMM Congress at NIMHANS, Bangalore from 21st to 24th November 2002.
3. Attended the Silver Jubilee Symposium of CCMB, Hyderabad from 24th to 29th November 2002.

Dr. A Roy, AD
1. Participated as External Member (Expert) in the meeting of the Board of Post Graduate Studies (BPGS). The BPGS is responsible for selecting the curricula for postgraduate studies including monitoring the quality of the proposals for M. Phil and Ph. D thesis at Assam University, Silchar on 24th April 2002.
2. Invited by VIT Pune as an expert to oversee their programme on Post Graduate Studies on biotechnology.
3. Attended the Silver Jubilee Symposium of CCMB, Hyderabad from 24th to 29th November 2002.
4. 4th Sir Dorabjee Tata Symposium on Tropical Diseases at Pune on 10th and 11th March 2003.

Dr. M.V. Joshi, AD
2. Appointed as a chief co-ordinator for one-day workshop on "Ethics and guidelines in animal experimentation" for Veterinarians of Maharashtra state at NIV, Pune on 20th December 2002.
3. International conference on "Alternative to the use of animals in research and education" at New Delhi from 10th to 13th February 2003.

Dr. N.S. Wairagkar, AD

Dr. (Mrs.) M. S. Chadha, AD
1. Delivered guest lecture “Viral Hepatitis Public Health Aspect” Organized by the Indian Public Health Association, Pune Branch, Pune 27th July 2002.
2. Expert committee meeting to discussed feasibility of Intra-dermal vaccination for prevention of Rabies and review a protocol for the same at ICMR, New Delhi on 20th September 2002.
3. Presented “Epidemiology related activities completed or ongoing at the NIV” at the FETP-EPI week at the National Institute of Epidemiology Chennai on 3rd January 2003.

Dr. (Mrs.) S. D. Chitambar, AD
2. Workshop on ‘Biosafety issues related to use of Genetically Modified Organism’ held at Hotel Le Meridien, Pune on 20th September 2002.
3. A meeting to draw Master Plan for Stem Cell Programme organized by Interactive Research School for Health Affairs (IRSHA) of Bharati Vidyapeeth Deemed University, Pune on 22nd March 2003.

Miss. S.P. Verma, AD
1. International conference on Networking ‘NETWORKS 2002’ conducted by Computer Society of India at Mumbai from 20th to 22nd June 2002.
4. XX Annual Conference of Indian Society of Medical Society conducted by ISMS at New Delhi from 19th to 22nd December 2002.

Dr. Cecilia D., SRO
1. Roving Seminar on IPR in Biotechnology arranged by DBT and NCCS at Pune University, Pune on 30th September 2002.
2. Invited to chair a session at XXVI Annual congress of Indian Association of Medical Microbiology, “Virology-JE, Dengue and Enteroviruses”, Held at NIMHANS, Bangalore from 20th to 23rd November 2002.
3. Attended symposium on “The current excitement in Biology” Held at CCMB, Hyderabad from 24th to 26th January 2002.

4. Attended a seminar on “Zoonoses: An emerging threat to society” organized by National Association for Welfare of Animals and Research at Indian Veterinary Research Institute, Izatnagar, UP from 7th to 9th January 2003.

5. Attended as Member to attend the Meeting of the Institutional Animals Ethics Committee held at Dr. Raj Udhyog, Pune on 12th March 2003.


Mr. P. N. Yergolkar, SRO.
1. Attended a WHO sponsored workshop on “Scientific writing” Held at NIRRH, Mumbai from 20th to 22nd November 2002.

2. Attended 22nd Annual convention of the Indian Association for cancer Research, at Regional Cancer Centre, Thiruvananthapuram from 10th to 12th January 2003.


4. Workshop on Biosafety issues related to use of Genetically modified Organisms (GMOs), at Hotel Le Meridien, Pune, India on 20th September 2002.


6. Refresher course on “Trends in Immunology” held in conjunction with the Interdisciplinary school of Health Sciences, University of Pune was sponsored by Indian Academy of Sciences, Bangalore. Delivered lecture on ‘Complement Cascade and demonstration of CF test to detect antibody’ at Pune during December 2002.

Dr. V. Gopalakrishna, SRO.

2. Attended 22nd Annual convention of the Indian Association for cancer Research, at Regional Cancer Centre, Thiruvananthapuram from 10th to 12th January 2003.


Mr. P.S. Shah, RO.
Attended workshop on “Information and communication” at NICHE Ahmedabad on 25th and 26th June 2002.

Dr. (Mrs.) L.R. Yeolekar, RO.
2. ‘Meeting of Task Force on Influenza’ at ICMR, HQ, New Delhi on 5th September 2002.

Dr. (Mrs.) K.S. Lole, RO
Attended two days training program on the Real time PCR at LABINDIA in Delhi on 13th and 14th August 2002.

Mr. R.S. Jadi, RO

Dr. V.P. Bondre, RO

Dr. (Mrs.) A. Mishra, Research Associate
Poster presented at annual meeting of the Indian Immunology Society and Symposium on Immunoparasitology, held at RMRC, Bhubaneswar from 27th to 29th November 2002.

Mr. L.V. Hungund, TO
Participated in ‘WHO Inter Country Workshop on Standardized Procedures for Laboratory Diagnosis of Measles and Rubella’ held at NIV, Pune from 17th to 21st February 2003.

Mr. A.M. Walimbe, Jr. Biostatistician
1. Course on ‘Utilization of IT Tools in Government’ Module II conducted by National Informatics Centre at Pune from 1st to 12th July 2002.
2. Course on ‘Utilization of IT Tools in Government’ Module II conducted by National Informatics Centre at Pune from 2nd to 13th September 2002.

Mr. S.S. Bedekar, STA
1. Course on ‘Utilization of IT Tools in Government’ Module I conducted by National Informatics Centre at Pune from 1st to 12th July 2002.
2. Course on ‘Utilization of IT Tools in Government’ Module II conducted by National Informatics Centre at Pune from 2nd to 13th September 2002.

Dr. (Mrs.) N.J. Shaikh, STA
1. Attended Indo-German workshop on “Advanced Epidemiological Survey Methods” held at University of Pune, Pune from 9th to 21st 2002
2. Participated in ‘WHO Inter Country Workshop on Standardized Procedures for Laboratory Diagnosis of Measles and Rubella’ held at NIV, Pune from 17th to 21st February 2003.
Mrs. M.S. Joshi, Technician

Mr. S.N. Fulari
Participated in the CPCSEA IV Zonal Workshop held at the National Centre for Cell Science, Pune on 1st July 2002.

Miss R. A. Ashtekar, Technician

Miss P.S. Awachat
XXIX Annual Meeting of the Indian Immunology Society and Symposium on Immunoparasitology at Regional Medical Research Centre, Bhubaneswar from 27th to 29th November 2002.

Miss J.A. Pawar, Technician
Oral presentation at XXVI Annual congress of Indian Association of Medical Microbiology held at NIMHANS, Bangalore from 20th to 24th November 2002.

Mrs. S.A. Mahamuni, Technician
Attended a workshop on Ethics and guidelines in animal experimentation held at NIV, Pune on 20th December 2002

Mrs R Bachal, Technician
Oral presentation at XXVI Annual congress of Indian Association of Medical Microbiology held at NIMHANS, Bangalore from 20th to 24th November 2002.

Training / Workshops / Seminars organized
1. Second WHO Intercountry workshop on standardised laboratory procedures for measles and rubella diagnosis, NIV, Pune 16”-21” Feb, 2003
3. Demonstration of egg inoculation techniques by different routes to B.Sc. students, Microbiology Department, Abasaheb Garware College, Pune on 12” March 2003.
4. Training in diagnostic procedures employed for influenza virus isolation and identification from 24” March 2003- 1” April 2003 was provided to a scientist from PGIMER, Chandigarh.
5. Training for two M.Sc. (Biotechnology, Jabalpur) students was provided for six months.
6. Training programme was organized for scientific worker deputed by the industry having collaboration with NIV, Pune for hepatitis A Diagnostics and vaccine.
7. Sixteen candidates were given one month training in “Animal tissue culture and related basic viral techniques”.
8. Two PG Biotechnology Summer trainees, from Aurangabad and Jalgaon Universities for six weeks.
9. Training in tissue culture techniques was provided to one scientist from Bilaspur University (MP) for 3 weeks.
Awards / Nominations

- Dr. L Badam, DD was elected as a member of the International Society for Herbal Medicine (I.S.H.M.).
- Dr. M V Joshi, AD received a plaque for the lead lecture on Japanese encephalitis in India. An Overview with a special reference to diagnosis and management at the First Annual Conference of the Indian Association of Veterinary Public Health held at Pantnagar between 27 and 29th November, 2002.
- Dr. N S Waragkar, AD was nominated as Member, Ethical Committee of Padmashree Dr. D Y Patil Medical College, Pimpri, Dr. D.Y. Patil Vidyapeeth (Deemed University). Selected as short-term consultant to WHOSEARO, New Delhi to work on Measles control. Selected to work as facilitator for WHO inter country workshop on standardized laboratory procedures for diagnosis of measles and Rubella.
- Dr. C G Raut, SRO nominated as member, Institutional Animal Ethical Committee of Raj Biotech India Pvt. Ltd., Pune and Department of Chemistry, Pune University, Pune.
- Mrs. R Bachal secured first prize for the oral presentation entitled "Development of monoclonal antibodies against P24 antigen of HIV-1, subtype C" presented at the XXVI Annual congress of Indian Association of Medical Microbiology held at NIMHANS, Bangalore during 20-24 Nov 2002.
**Library and Information Officer**
- **DR SN SINGH**
  - Library

**Maintenance Officer**
- **MR ST PERUMAL**
  - Maintenance

**Administration Officer**
- **VACANT**
  - Cash/Bills

**Account Officer**
- **MRS AV VARKEY**
  - Accounts

**Senior Stores Officer**
- **MR VC KHUNYAKARI**
  - Stores

**Assistant Maintenance Officer (SR)**
- **MR YD SABLE**
  - Maintenance

**Assistant Maintenance Officer**
- **MR AB KHARE**
  - MCC

**Senior technical Officer**
- **MR MG POL**
  - TCCB
- **MRS SS ATHAVALANG**
  - Insect TC
- **MR SS KADAM**
  - Virology

**Section Officer**
- **MR SM SHINDE**
  - Bills
- **MR RB VANNARASE**
  - Establishment
- **MR VB DESHPANDE**
  - Stock Room
- **MR DG THATTE**
  - Accounts
- **MR VV PETHE**
  - Stores
- **MR SR ALLE**
  - Accounts

**Personal Secretary**
- **MR SB ATTAR**
  - Bills

**Assistant Library & Information Officer**
- **MRS VV YEWALE**
  - Library

**Junior Biostatistician**
- **MR AM WALIMBE**
  - Computer

**Technical Officer**
- **MR GS KALE**
  - MCC
- **MR VM PUNEKAR**
  - Maintenance
- **MR SB DIXIT**
  - Maintenance
- **MR AV JAMGAONKAR**
  - Entomotogy
- **MR BB GENGJAWE**
  - Lab Animals
- **MR DS RAGHAVENDRA RAO**
  - Bangalore Field Station
- **MR MS PAWAR**
  - Virology
- **MR MURALI KRISHNA**
  - Photography
- **MR LV HUNGUND**
  - Pathology
- **DR MD GOKHALE**
  - Ins.Gen.
- **MR HANUMIAH**
  - Bangalore Field Station
- **MR. ASMALUNJIRAC**
  - Virology
- **MRS. SA SARTHY**
  - Immunology
- **MR MR KHUDE**
  - Virology

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**Institutional Animals Ethics Committee (IAEC)**
1. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
2. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
3. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
4. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
5. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
6. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
7. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
8. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
9. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
10. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007

**Ethical Committee (Humans)**
1. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
2. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
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8. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
9. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
10. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007

**Institutional Bio-safety Committee (IBSC)**
1. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
2. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
3. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
4. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
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8. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
9. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007
10. Dr. M. G. Deo, C-13, Kubera Guishan Apartments, DP Road, Aundh, PUNE - 411007

*National Institute of Virology, Pune*
Scientific Advisory Committee Members

1. Lt. Gen. D. Raghurath, Principal Executive, Sir Dorabji Tata Centre for Research in Tropical Diseases, Innovation Centre, Indian Institute of Science Campus, BANGALORE 560 012
2. Dr G.C. Mishra, Director, National Centre for Cell Sciences, NCCS Complex, Ganeshkhind, PUNE 411 007
3. Dr T. Jacob John, 439, Civil Supplies, Godown Lane, Kamalakshmi Puram, VELLORE 632 002
4. Dr K.K. Dutta, B-51, Akash Ganga Apartments, Plot No.17, Sect. 6 Dwarka, NEW DELHI 110 045
5. Dr V. Ravi, Additional Professor, Department of Neurovirology, National Institute of Mental Health & Neuro Sciences, BANGALORE 560 002
6. Dr Shobha Broor, Professor, Department of Microbiology, All India Institute of Medical Sciences, NEW DELHI 110 029.
7. Dr M.K.K. Pillai, 37, Sakshar Apartment, A-3, Paschim Vihar, NEW DELHI 110 063.
8. Dr Saheed Jameel, Group Leader (Virology), International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, NEW DELHI 110 067
9. Dr U.C. Chaturvedi, 201, Annapurna Apartments, No.1, Bishop Rocky Street, Faizabad Road, LUCKNOW 226 007
10. Prof. S.C. Lakhotia, Cytogenetics Laboratory, Department of Zoology, Banaras Hindu University, VARANASI 221 005
11. Dr S. Basu, Director, National Institute of Immunology, Aruna Asaf Ali Marg, NEW DELHI 110 067
12. Dr A.S. Kolaskar, Vice-Chancellor, University of Pune, Ganeshkhind Road, PUNE 411 007
13. Dr Subhash R. Salunke, Director General, Directorate General of Health Services, Government of Maharashtra, Govt. Dental College Building, 4th Floor, St. George's Hospital Compound, P.D'Mello Road, Fort, MUMBAI 411 001.
14. Dr M.N. Phadke, Director, Directorate of Medical Education & Research, Government of Maharashtra, Govt. Dental College Building, 4th Floor, St. George's Hospital Compound, P.D'Mello Road, Fort, MUMBAI 411 001.
15. Dr O.A. Gadkari, Emeritus Medical Scientist (ICMR), National Institute of Virology, 20-A, Dr Ambedkar Road, PUNE 411 001.
16. Dr Ira Ray, Additional Director General, Directorate General of Health Services, Nirman Bhavan, NEW DELHI 110 011
17. Dr Lalit Kant, Sr Deputy Director General, Indian Council of Medical Research, Ansari Nagar, NEW DELHI 110 029
18. Dr Dipali Mukherjee, Sr Deputy Director General, Indian Council of Medical Research, Ansari Nagar, NEW DELHI 110 029
19. Dr A.C. Mishra, Officer-in-Charge, National Institute of Virology, 20-A, Dr Ambedkar Road, PUNE 411 001.