### Publications

| Publications in | (i) International journals: | 23 |
| (ii) National journals: | 19 |

| Accepted for publication in | (i) International journals: | 17 |
| (ii) National journals: | 9 |

#### Published

**International**

1. Priya Rajavelu and Sulochana Das. Cell-mediated immune responses of healthy laboratory volunteers to sonicate antigens prepared from the most prevalent strains of *Mycobacterium tuberculosis* from south India harbouring a single copy of IS6110. *Clinical and Diagnostic Laboratory Immunology, 2003*, 10, 1149–1152.


National


5. Tuberculosis Research Centre (ICMR), Chennai. Trends in initial drug resistance over three decades in a rural community in south India. *Indian Journal of Tuberculosis*, 2003, 50, 75-86.


7. Tuberculosis Research Centre. Operational research studies in tuberculosis (TB) control – Contributions from Tuberculosis Research Centre. Prepared by Dr. Rani Balasubramanian. In the souvenir released at the 54th TB seal campaign 2003 entitled “TB seals on Historical Monuments” by The TB Association of India, New Delhi.


**Accepted for publication**

**International**

1. B. Ramalingam, Alain R. Baulard, Camille Locht, P.R. Narayanan, Alamelu Raja. Cloning, expression and purification of the 27 kDa (MPT51, Rv3803c) protein of *Mycobacterium tuberculosis*. *Protein Expression and Purification*.


centres. *International Journal of Tuberculosis and Lung Disease.*

10. N. Selvakumar, K.J. Ilampuranan, C. Ponnuraja, P.R. Narayanan. Increased detection of acid-fast bacilli in sputum samples preserved in cetylpyridinium chloride solution by a modified Auramine-Phenol staining procedure. *Journal of Clinical Microbiology.*

11. N. Selvakumar, S. Sivagamasundari, E. Prabhakaran, R. Govindaraju, M. Perumal, Rueben Granich, Fraser Wares, L.S. Chauhan, P.R. Narayanan. Storage of heat-fixed unstained sputum AFB smears for panel testing in a Tuberculosis Unit in south India. *International Journal of Tuberculosis and Lung Disease.*


13. G. Ramachandran, E.S. Perloff, L. von Moltke, S. Swaminathan, D.J. Greenblatt. Analysis of generic antiretroviral medications in India. *AIDS.*


**National**


4. Tuberculosis Research Centre. Operational research studies in TB control: Contributions from Tuberculosis Research Centre in the last two decades. *SAARC Journal of Tuberculosis, HIV/AIDS and Lung Diseases.*


7. N. Selvakumar, Vanaja Kumar, P.G. Gopi, S. Sivagamasundari, E. Prabhadakaran, Samuel
Vasanthan, M. Perumal, P.R. Narayanan. Sputum AFB smear reading capability of Senior Tuberculosis Laboratory Supervisor trainees under training at a reference laboratory in India. *Indian Journal of Tuberculosis.*


Others
1. Rani Balasubramanian, Rajeswari Ramachandran. “Evolution of chemotherapeutic regimens in the treatment of tuberculosis and their scientific rationale” chapter for a book on “Tuberculosis” published by Dr. S.K. Sharma, Professor of Medicine, All India Institute of Medical Sciences, New Delhi, and Dr. Alladi Mohan, Professor of Acute Care Medicine, University of Thirupathy.

**Awards**

**Dr. Ranjani Ramachandran**
The paper entitled "Mycobacteremia in TB patients with HIV-infection", which was presented at the 57th National Conference on Tuberculosis and Chest Diseases, held at Goa during October 2003 was awarded Prof.K.C. Mohanty Award for the best paper

**Ms. Radha Gopalswami**
The paper titled “Cloning, expression and characterization of serine threonine kinase pknl of *M.tuberculosis*” bagged the Best Poster Award at the 30th Annual Conference of Indian Immunology Society held at Sanjay Gandhi Postgraduate Institute of Medical Science, Lucknow, during November 2003.

**Dr. Geetha Ramachandran**
The paper titled "Vitamin A levels in sputum positive pulmonary tuberculosis patients in comparison with household contacts and healthy normals", which was presented at the 58th National Conference on Tuberculosis and Chest Diseases held at Mumbai during January 2004, has won the Dr.C. Srinivasrao Award for the best paper on tuberculosis for the year 2003.

**Dr. S. Ramesh Kumar**
The paper titled "Impact of HIV-infection on chest radiographic findings in patients with pulmonary tuberculosis", which was presented at the National Conference on Management of HIV/AIDS in Resource Restricted Settings at Mumbai during February 2004, bagged the second prize for the best poster presentation.

**Advocacy**

**Dr. Aleyamma Thomas**
Facilitator for:
Training programme for Deputy Directors, Health Services of Tamil Nadu state during May 2003.

RNTCP training for Medical Officers at Andaman & Nicobar Islands during Nov. 2003.

WHO trainees from DPR Korea during Apr. 2003.


**Dr. Pauline Joseph**
Facilitator for:
Training programme for Deputy Directors, Health Services of Tamil Nadu state during May 2003.

RNTCP training for Medical Officers at Andaman & Nicobar Islands during Nov. 2003.

WHO trainees from DPR Korea during Apr. 2003.


Dr. Rani Balasubramanian
Facilitator for training programme for Deputy Directors, Health Services of Tamil Nadu state during May 2003.

Delivered a lecture on “Public-private Models in RNTCP and the role of Medical colleges” to Medical Officers in RNTCP at Chennai on 11th Dec. 2003.

Delivered a lecture on “Scientific basis of DOTS strategy” and “Management of extra-pulmonary forms of TB” to Medical Officer trainers from Bangladesh at Chennai during Dec. 2003.

Facilitator for training programme to field investigators and medical social workers enrolled for the multicentric study entitled “Timing and its significance in the diagnosis and treatment for TB” and organized focus group discussions among laboratory technicians and community DOT providers.

Biochemistry Department
Training on HPLC methodology and anti-TB drug assays to undergraduate, postgraduate and M.Phil. students of neighbouring educational institutions.

Bacteriology Department
Training in Drug Resistance Surveillance provided to staff members of CJIL, Agra, Malankara Orthodox Syrian Church Medical College, Kolenchery, Kerala and Institute of Medical Science, Kalapet, Pondicherry.

Statistics Department
Biostatistical consultation offered to:
- Medical Officer from Sundaram Medical Foundation, Chennai.
- Postgraduate and M.Phil. students from Loyola College, Chennai.
- Postgraduate students from Presidency College, Chennai.
- M.D. students from Stanley Medical College, Chennai.
- Medical Officer, Dept. of Paediatrics, Southern Railways, Chennai.

Pathology Department
Summer training for postgraduate (Biochemistry & Microbiology) and B.Tech. (Biotechnology) students during Apr. – June 2003.

HIV/AIDS Division
Training provided for students from the Department of Social Work of Madras Christian College, Loyola College and Madras School of Social Work, Chennai.

Capacity Building

Staff and students who were awarded their Ph.D. degree during the year:
1. Dr. S. Selvakumar - The Tamil Nadu Dr. M.G.R. Medical University – (Guide - Dr. Sujatha Narayanan)
2. Dr. P. Vijayalakshmi - Madras University – (Guide - Dr. P.R. Narayanan)
3. Dr. Daisy Vanitha - The Tamil Nadu Dr. M.G.R. Medical University – (Guide - Dr. C.N. Paramasivan)
4. Dr. S. Anitha – Madras University (Guide – Dr. P. Venkatesan)
5. Dr. V. Kamalakannan - Madras University – (Guide - Dr.P.R. Narayanan)
6. Dr. B. Ramalingam -The Tamil Nadu Dr.M.G.R. Medical University – (Guide-Dr. Alamelu Raja)

Dr. Ranjani Ramachandran and Ms. Sulochana Somasundaram
Training on laboratory procedures for the diagnosis of SAARS-associated Corona virus by PCR at National Institute of Virology, Pune, during May 2003.
Dr. Geetha Ramachandran
Training in pharmacokinetics of antiretroviral drugs at Tufts University School of Medicine, Boston, USA, during Aug. – Dec. 2003.

Dr. P. Venkatesan
Online Bioinformatics Course conducted by Life Science Informatics Alliance, Brown University, Providence, USA during Aug. – Nov. 2003.


One-semester course at Brown University, Providence, USA, in the following aspects:

- Computational Molecular Biology (Dept. of Applied Mathematics)
- Machine Learning (Dept. of Computer Science)
- Geographical Information System (Dept. of Population Sciences)
- Biomedical Ethics (Center for AIDS Research)

Dr. Luke Elizabeth Hanna
Post-doctoral fellowship through the AIDS International Training Programme at Albert Einstein College of Medicine, New York, for 2 years from January 2004.

Dr. Pradeep Aravindan Menon

Ms. Mohanarani Suhadev

Special Assignments

Dr. Geetharamani Shanmugam

Honorary member of the “Child Welfare Committee”, vested with a power of a District Magistrate, for Chennai district by the Department of Social Welfare, Govt. of Tamil Nadu for a period of three years from Jan. 2004.

Dr. M. Kannapiran

Dr. C.N. Paramasivan
Temporary Advisor, WHO, during Nov. 2003 at Bali, Indonesia (Meeting of the SEAR Technical working group on TB & meeting of the National TB Programme Managers of SEAR).

Nominated by the Govt. of India to participate in the workshop on lab management at SAARC TB Centre for a period of two weeks during Dec. 2003 at Kathmandu, Nepal.


Conferences

Participation in Conferences / Seminars / Workshops/Training programmes
The Centre has provided opportunities to its staff members (research and technical) and students for their professional development through participation in workshops, conferences, seminars and training programmes at national and international level.

At national level, staff members participated in 35 conferences, 28 seminars, four training programmes, 18 workshops.

At international level, staff members participated in 19 conferences, one seminar, three training programmes, five workshops.

Dr. Prema Gurumurthy
External examiner to conduct public viva-voce examination for Ph.D. students of the Tamil Nadu Dr. MGR Medical University, Chennai.

Member of Selection Committee of the Tamil Nadu Dr. MGR Medical University for Ph.D. candidates.

Dr. Rajeswari Ramachandran


Dr. V.D. Ramanathan
Consultant for the ILEP Nerve Function Impairement and Reaction in Leprosy Project.

Organizer of a workshop on ‘Confocal Imaging Techniques’ held at the Tuberculosis Research Centre, Chennai during Apr. 2003.

Dr. Rani Balasubramanian

Member of National Task Force constituted for involving all the medical colleges in the country in RNTCP.

Dr. N. Selvakumar
Member of Scientific Advisory Committee of CLTRI, Chengleput.

Consultant for External Quality Assurance in sputum microscopy at WHO-RNTCP consultants’ review meeting held at Jaipur during June 2003.

Ms. Sudha Ganapathy

Dr. Sujatha Narayanan
Examiner for Ph.D. thesis submitted to the University of Delhi.

Outside expert to review the work of autonomy in the Department of Biochemistry, Meenakshi College for Women (Autonomous), Chennai, Jan. 2004.