

APPENDICES

Publications

Publications in	i)	International journals	: 33
	ii)	National journals	: 26

Accepted for publication in	i)	International journals	: 12
	ii)	National journals	: 6
	iii)	Books	: 4

Published

International:

1. Babu S, Blauvelt CP, Kumaraswami V, Nutman TB. Cutting Edge: Diminished T cell TLR expression and function modulates the immune response in human filarial infection. *J Immunol.* 2006;176(7):3885–3889.
2. Santha T, Subramani R, Gopi PG, Chandrasekaran V, Narayanan PR. Status of bacillary tuberculosis cases identified in a community survey under different control programmes. *Int J Tuberc Lung Dis.* 2006;10(4):466-468.
3. Selvaraj P, Jawahar MS, Rajeswari DN, Alagarasu K, Vidyarani M, Narayanan PR. Role of mannose binding lectin gene variants on its protein levels and macrophage phagocytosis with live *Mycobacterium tuberculosis* in pulmonary tuberculosis. *FEMS Immunol Med Microbiol.* 2006;46(3):433–437.
4. Sulochana S, Paramasivan CN. Susceptibility of *Mycobacterium tuberculosis* strains to Gatifloxacin and Moxifloxacin by different methods. *Chemotherapy,* 2006;52:190-195.
5. Swaminathan S, Luetkemeyer A, Srikantiah P, Lin R, Charlebois E, Havlir DV. Antiretroviral therapy and TB. *Trop Doct.* 2006;36(2):73-79.
6. Lipner EM, Gopi PG, Subramani R, Kolappan C, Sadacharam K, Kumaran P, Prevots DR, Narayanan PR, Nutman TB, Kumaraswami V. Coincident filarial, intestinal helminth, and mycobacterial infection: helminths fail to influence tuberculin reactivity, but BCG influences hookworm prevalence. *Am J Trop Med Hyg.* 2006;74(5):841-847.
7. Ramachandran G, Hemanth Kumar AK, Rajasekaran S, Padmapriyadarsini C, Narendran G, Sukumar B, Sathishnarayan S, Raja K, Kumaraswami V, Swaminathan S. Increasing nevirapine dose can overcome reduced bioavailability due to rifampicin coadministration. *J Acquir Immune Defic Syndr.* 2006;42(1):36-41.

8. Ramachandran G, Hemanth Kumar AK, Swaminathan S, Venkatesan P, Kumaraswami V, Greenblatt DJ. Simple and rapid liquid chromatography method for determination of efavirenz in plasma. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2006;835:131-135.
9. Aravindhavan V, Narayanan S, Gautham N, Prasad V, Kannan P, Jacobs WR Jr, Narayanan PR. Th-2 immunity and CD3⁺CD45RB^{low}-activated T cells in mice immunized with recombinant Bacillus Calmette-Guerin expressing HIV-1 principal neutralizing determinant epitope. *FEMS Immunol Med Microbiol.* 2006;47(1):45-55.
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11. Srimathi S, Jayaraman G, Narayanan PR. Improved thermodynamic stability of subtilisin *Carlsberg* by covalent modification. *Enzyme Microb Tech.* 2006;39:301–307.
12. Kolappan C, Subramani R, Karunakaran K, Narayanan PR. Mortality of tuberculosis patients in Chennai, India. *Bull World Health Org.* 2006;84(7):555-560.
13. Gutierrez MC, Ahmed N, Willery E, Narayanan S, Hasnain SE, Chauhan DS, Katoch VM, Vincent V, Loch C, Supply P. Predominance of ancestral lineages of *Mycobacterium tuberculosis* in India. *Emerg Infect Dis.* 2006;12(9):1367-1374.
14. Nyamathi AM, Suhadev M, Swaminathan S, Fahey JL. Perceptions of a community sample about participation in future HIV vaccine trials in south India. *AIDS Behav.* 2006; 11(4): 619-627.
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20. Vijayalakshmi K, Thangaraj K, Rajender S, Vettriselvi V, Venkatesan P, Shroff S, Vishwanathan KN, Paul SF. GGN repeat length and GGN/CAG haplotype variations in the androgen receptor gene and prostate cancer risk in south Indian men. *J Hum Genet.* 2006;51(11):998-1005.
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22. Hemanth Kumar AK, Ramachandran G, Kumar P, Kumaraswami V, Swaminathan S. Can urine lamivudine be used to monitor antiretroviral treatment adherence? *e-J Intl AIDS Soc.* 2006;8(4):53-62.
23. Julia Kemp, M Shaheed Jawahar, Fazlul Karim, N L Arias. Gender and tuberculosis: Cross-site analysis and implications of a multi-country study in Bangladesh, India, Malawi and Columbia. Report No.3. Cross-Site Analysis: Mitchell G Weiss, Christian Auer, Daryl B Somna, Abdallah Abouihia. World Health Organisation. 2006. TDR/SDR/SEB/RP/06.1.
24. Kubendiran G, Paramasivan CN, Sulochana S, Mitchison DA. Moxifloxacin and Gatifloxacin in an Acid Model of persistent *Mycobacterium tuberculosis*. *J Chemother;* 2006; 18(6):617-623.
25. Muniyandi M, Ramachandran R, Balasubramanian R. An economic commentary on the occurrence and control of HIV/AIDS in developing countries: special reference to India. *Expert Opin Pharmacother.* 2006;7(18):2447-2454.
26. Selvaraj P, Swaminathan S, Alagarasu K, Raghavan S, Narendran G, Narayanan PR. Association of Human Leucocyte Antigen-A11 with resistance and B40 and DR2 with susceptibility to HIV-1 infection in South India. *J Acquir Immune Defic Syndr.* 2006;43(4):497-499.
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28. Rajavelu P, Das SD. A Correlation between phagocytosis and apoptosis in THP-1 Cells infected with prevalent strains of *Mycobacterium tuberculosis*. *Microbiol Immunol.* 2007; 51(2): 201-10.
29. Selvam JM, Wares F, Perumal M, Gopi PG, Sudha G, Chandrasekaran V, Santha T. Health-seeking behaviour of new smear-positive TB patients under a DOTS programme in Tamil Nadu, India. 2003. *Int J Tuberc Lung Dis.* 2007;11(2):161-167.
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National:

1. Hemanth Kumar AK, Ramachandran G, Saradha B, Narendran G, Swaminathan S. Urine nevirapine as a predictor of antiretroviral adherence. *Ind J Med Res.* 2006;123(4):565-568.
2. Muniyandi M, Rajeswari R, Balasubramanian R, Narayanan PR. Socio-economic dimensions of tuberculosis control: Review of studies over two decades from Tuberculosis Research Centre. *J Comm Dis.* 2006; 38(3):204-215.
3. Padmapriyadarsini C, Chandrabose J, Victor L, Hanna LE, Arunkumar N, Swaminathan S. Hepatitis B or hepatitis C co-infection in individuals infected with human immunodeficiency virus and effect of anti-tuberculosis drugs on liver function. *J Postgrad Med.* 2006;52(2):92-96.
4. Paramasivan CN. Molecular methods in the diagnosis of tuberculosis. *Ind J Tub.* 2006;53:61-63.
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10. Gopi PG, Subramani R, Nataraj T, Narayanan PR. Impact of BCG vaccination on tuberculin surveys to estimate the annual risk of tuberculosis infection in south India. *Ind J Med Res.* 2006;124(1):71-76.

11. Gopi PG, Subramani R, Santha T, Radhakrishnan S, Chandrasekaran V, Rajeswari R, Balasubramanian R, Thomas A, Muniyandi M, Narayanan PR. Performance of a DOTS programme: administrative and technical challenges - a field report from a district in south India. *Ind J Tub.* 2006;53:123-134.
12. Joseph P, Chandrasekaran V, Thomas A, Gopi PG, Rajeswari R, Balasubramanian R, Subramani R, Selvakumar N, Santha T. Influence of drug susceptibility on treatment outcome and susceptibility profile of 'failures' to category II regimen. *Ind J Tub.* 2006;53:141-148.
13. Narendran G, Swaminathan S, Sathish S, Rajasekaran S. Immune Reconstitution Syndrome in a child with TB and HIV. *Ind J Pediatr.* 2006;73(7):627-629.
14. Sriram K, Somasundram PR, Parthasarathy, Chandrasekaran V. A reliable and simple method for identifying at start patients with tuberculosis of the spine suitable for ambulatory chemotherapy. *Ind J Ortho.* 2006;40(3):160-163.
15. Jayalakshmi V, Gunasundari A. Practice-based teaching model for community health tuberculosis. *Nurses of India.* 2006;6-8.
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21. Vidyarani M, Selvaraj P, Prabhu Anand S, Jawahar MS, Adhilakshmi AR, Narayanan PR. Interferon gamma (IFN-gamma) and interleukin-4 (IL-4) gene variants and cytokine levels in pulmonary tuberculosis. *Ind J Med Res.* 2006;124(4):403-410.
22. Venkatesan P, Anitha S. Application of a radical basis function neural network for diagnosis of diabetes mellitus. *Curr Sci.* 2006;91(9):1195-1199.

23. Suhadev M, Nyamathi AM, Swaminathan S, Venkatesan P, Raja Sakthivel M, Shenbagavalli R, Suresh A, Fahey JL. A pilot study on willingness to participate in future preventive HIV vaccine trials. *Ind J Med Res.* 2006;124:631-640.
24. Chandrasekaran V, Gopi PG, Santha T, Subramani R, Narayanan PR. Status of re-registered patients for tuberculosis treatment under DOTS programme. *Ind J Tub.* 2007;54:12-16.
25. Rathinasabapati R. "Health Information Literacy: librarian's role" Source: National Seminar on Information literacy and Higher Education- CD; Technical Sessions; Session-3, Information Literacy & Libraries paper-3. 29-30, 2007. (CD available at the Department of Information Science, University of Madras, Chennai)
26. Prabha C, Jalapathy KV, Matsa RP, Das SD. Differential T helper cell response in tuberculous pleuritis. *Ind J Med Microbiol.* 2007;25(1):18-23.

Accepted for publication:

International:

1. Geetha Ramachandran, Hemanthkumar AK, Rajasekaran S, Padmapriyadarsini C, Narendran G, Anitha S, Kumaraswami V, Soumya Swaminathan. Steady state pharmacokinetics of nevirapine in HIV-1 infected adults in India. *J Intl Assoc Phy AIDS Care*.
2. Gomathi NS, Sameer H, Vanaja Kumar, Balaji S, Azger Dustackeer VN, Narayanan PR. *In silico* analysis of mycobacteriophage Che12 genome: characterization of genes required to lysogenise *Mycobacterium tuberculosis*. *Computational Biology and Chemistry*.
3. Lakshmi S, Ramesh K, Valerie Jauvin, Marie Helene Schrive, Ranjani Ramachandran, Narayanan PR, Fleury HJ, Soumya Swaminathan. Characterization of HIV-1 Isolates from Anti-retroviral Naive Children in South India. *AIDS Res Hum Retroviruses*.
4. Muniyandi M, Rajeswari R, Balasubramanian R, Nirupa C, Gopi PG, Jaggarajamma K, Sheela F, Narayanan PR. Health related quality of life (HRQoL) of tuberculosis patients one year after successful treatment completion– A field report from south India. *Int J Tuberc Lung Dis*.
5. Natarajan PL and Sujatha Narayanan. Role of mitogen activated protein kinase and *N*-acetyl-*L*-cysteine in mediating *Mycobacterium tuberculosis* H37Rv-induced interleukin-6 secretion in THP-1 human monocytes *FEMS Immunol Med Microbiol*.
6. Ramalingam B, Alain R. Baulard, Camille Locht and Alamelu Raja. Antibody response in pulmonary tuberculosis against recombinant 27kDa (MPT51, Rv3803c) protein of *Mycobacterium tuberculosis*. *Scand. J Infect Dis*.
7. Soumya Swaminathan, Padmapriyadarsini C, Ranjani Ramachandran, Pradeep A Menon, Nalini S Mohan, Kubendiran G, Paramasivan C.N. Localized Pulmonary *Mycobacterium avium* Disease in Acquired Immunodeficiency Syndrome. *J Int Assoc Phy AIDS Care*.
8. Subbian Selvakumar and Sujatha Narayanan Identification and characterization of the regulatory element of the inducible Acetamidase operon from *Mycobacterium smegmatis* *Can J Microbiol*.
9. Subramani R, Santha T, Frieden TR, Radhakrishna S, Gopi PG, Selvakumar N, Sadacharam K, Narayanan PR. Active community surveillance of the impact of different tuberculosis control measures, Tiruvallur, South India, 1968–2001. *Int J Epidemiol*
10. Sujatha Narayanan, Sebastien Gagneux, Lalitha Hari, Anthony G. Tsolaki, Suganthi Rajasekhar, Narayanan PR, Peter M. Small, and Kathryn DeRiemer Genomic interrogation of ancestral *Mycobacterium tuberculosis* from South India. *Infection, Genetics and Evolution*.

11. Sulochana S, Narayanan S, Paramasivan CN, Narayanan PR. Analysis of Fluoroquinolone resistance in clinical isolates of *Mycobacterium tuberculosis* from India. J. Chemother.
12. Vinothkumar TS, Kavitha S, Lakshminarayanan L, Gomathi NS, Kumar V. Influence of irrigating needle-tip designs in removing bacteria inoculated into instrumented root canals measured using single-tube luminometer. J Endod.

National:

1. Geetha Ramachandran, Hemanth Kumar AK, Sarala K, Padmapriyadarsini C, Anitha S, Tharani CB, Kumaraswami V, Soumya Swaminathan. Urinary levels of isoniazid and rifampicin in asymptomatic HIV-positive individuals. Ind J Med Res.
2. Jaggarajamma K, Sudha Ganapathy, Chandrasekaran V, Nirupa Charles, Thomas A, Santha T, Muniyandi M, Narayanan PR. Reasons for non-compliance among TB patients treated under RNTCP in Tiruvallur District, south India. Ind J Tub.
3. Raghu B, Venkatesan P. Effect of n-3 Fatty acid supplement on blood glucose, lipid profile and cytokines in humans. Ind J Clin Biochem.
4. Soumya Swaminathan, Narendran G, Pradeep A. Menon, Padmapriyadarsini C, Arunkumar N, Sudharshanam NM, Ramesh Kumar S, Chandrasekhar S. Impact of HIV infection on radiographic features in patients with pulmonary tuberculosis. Ind J Chest Dis All Sci.
5. Gopi PG, Vasantha M, Muniyandi M, Chandrasekaran V, Balasubramanian R, Narayanan PR. Risk factors for non-adherence to directly observed treatment (DOT) in a rural tuberculosis unit, south India. Ind J Tub.
6. Gopi PG, Vasantha M, Kolappan C, Narayanan PR. Comparison of tuberculin reaction sizes at 48 and 72 hours among children in Tiruvallur District, south India. Ind J Tub.

Books: (in press)

1. Vallinayagam V, Senthamaraikkannan K, Venkatesan, P. A Markov Chain Monte Carlo Algorithm from multiple imputation of missing values. In **Computing and Mathematical Modeling** (Ed. P. Balasubramaniam and R. Uthayakumar) Allied Publishers.
2. Venkatesan P, Porchelvan S. AIDS projection using non-parametric back calculation method. In **Computing and Mathematical Modeling** (Ed. P. Balasubramaniam and R. Uthayakumar) Allied Publishers.
3. Venkatesan P, Suresh M.L. Neural network model for classifying renal failure. In **Computing and Mathematical Modeling** (Ed. P. Balasubramaniam and R. Uthayakumar) Allied Publishers.

4. Rathinasabapati R. Designing digital architecture with intelligent building for information access at the Tuberculosis Research Centre, Chennai *Source: International Conference on Semantic Web and Digital Libraries –ICSD 2007*, Edited by A.R.D Prasad & Devika P. Madalli, p.357. (Article available at the DRTC Institutional Repository: (<http://drtc.isibang.ac.in/DRTC/index.html>))

Awards / Honours

- ❖ **“RC Garg Memorial Award”** for the best article published in Indian Journal of Tuberculosis for the year 2005: Article title: Is it worth treating Category I failure patients with Category II regimen? – **Dr.T.Santha**
- ❖ **“Prof. KC Mohanty Award”** for the best paper presented at the 60th National Conference on Tuberculosis and Chest Diseases held at Lucknow in February 2006. The paper is entitled “A new measurable indicator for Tuberculosis (TB) case detection in Revised National TB control programme” – **Mr. P.G.Gopi**
- ❖ Elected as **“Fellow of Indian Society for Medical Statistics-FSMS”** and the Award was given in Nov 2006 - **Dr. P. Venkatesan**
- ❖ **“Prof. BG Prasad Award”** for the best paper published on Statistics in the field of Epidemiology in the journal ‘Statistics in Medicine’ for the year 2005 at the Annual Conference of the Indian Society for Medical Statistics held at Belgaum during Dec. 2006 – **Dr.V.Chandrasekaran**
- ❖ **“Lifetime Achievement Award”** for promoting knowledge and research in Applied Microbiology by the Indian Association of Applied Microbiology at Kancheepuram during Jan. 2007 - **Dr.N.Selvakumar**
- ❖ **“Prakash Award”** for the best poster presentation at the 4th Convention of Society for Immunology and Immunopathology (SIIP) and National Symposium on immunobiotechnology held at Chennai during Feb. 2007 – **Ms.Shenbagavalli**