

# APPENDICES

## LIST OF PUBLICATIONS – 2007-08 (i.e. April 2007 to March 2008)

**Publications** : **62**

Publications in  
i) International Journals : 37  
ii) National Journals : 25

Accepted for publication in  
i) International Journals : 24  
ii) National Journals : 10

### **International:**

1. Alagarasu K, Selvaraj P, Swaminathan S, Raghavan S, Narendran G, Narayanan PR. Mannose binding lectin gene variants and susceptibility to tuberculosis in HIV-1 infected patients of South India. *Tuberculosis (Edinb)* 2007;87:535-543.
2. Angra P, Becx-Bleumink M, Gilpin C, Joloba M, Jost K, Kam KM, Kim SJ, Lumb R, Mitarai S, Ramsay A, Ridderhof J, Rieder HL, Selvakumar N, van Beers S, van Cleeff M, Van Deun A, Vincent V. Ziehl-Neelsen staining: strong red on weak blue, or weak red under strong blue? *Int J Tuberc Lung Dis* 2007;11:1160–1161.
3. Bethunaickan R, Baulard AR, Loch C, Raja A. Antibody response in pulmonary tuberculosis against recombinant 27kDa (MPT51, Rv3803c) protein of *Mycobacterium tuberculosis*. *Scand J Infect Dis* 2007;39:867-874.
4. Flores L, Van T, Narayanan S, DeRiemer K, Kato-Maeda M, Gagneux S. Large sequence polymorphisms classify *Mycobacterium tuberculosis* strains with ancestral spoligotyping patterns. *J Clin Microbiol* 2007;45:3393–3395.
5. Gilpin C, Kim SJ, Lumb R, Rieder HL, Van Deun A, Working Group on Sputum Smear Microscopy. Critical appraisal of current recommendations and practices for tuberculosis sputum smear microscopy [Workshop Report]. *Int J Tuberc Lung Dis* 2007;11:946–952.
6. Gomathi NS, Sameer H, Kumar V, Balaji S, Dustackeer VN, Narayanan PR. *In silico* analysis of mycobacteriophage Che12 genome: characterization of genes required to lysogenise *Mycobacterium tuberculosis*. *Comput Biol Chem* 2007;31:82-91.

7. Harishankar M, Selvaraj P, Rajeswari DN, Anand SP, Narayanan PR. Promoter polymorphism of IL-18 gene in pulmonary tuberculosis in south Indian population. *Int J Immunogenet* 2007;34:317–320.
8. Hemanth Kumar AK, Ramachandran G, Kumar P, Anitha S, Rajasekaran S, Swaminathan S. Effect of anticoagulants on plasma nevirapine and efavirenz concentrations. *Ther Drug Monit* 2007;29:652-654.
9. Joseph MR, Shoby CT, Amma GR, Chauhan LS, Paramasivan CN. Surveillance of anti-tuberculosis drug resistance in Ernakulam District, Kerala State, South India. *Int J Tuberc Lung Dis* 2007;11:443-449.
10. Kolappan C, Gopi PG, Subramani R, Narayanan PR. Selected biological and behavioural risk factors associated with pulmonary tuberculosis. *Int J Tuberc Lung Dis* 2007;11:999–1003.
11. Muniyandi M, Rajeswari R, Balasubramanian R, Nirupa C, Gopi PG, Jaggarajamma K, Sheela F, Narayanan PR. Evaluation of post-treatment health-related quality of life (HRQoL) among tuberculosis patients. *Int J Tuberc Lung Dis* 2007;11:887–892.
12. Muniyandi M, Ramachandran R, Gopi PG, Chandrasekaran V, Subramani R, Sadacharam K, Kumaran P, Santha T, Wares F, Narayanan PR. The prevalence of tuberculosis in different economic strata: a community survey from south India. *Int J Tuberc Lung Dis* 2007;11:1042–1045.
13. Murthy MK, Parasa RR, Deenadayalan A, Sharma P, Raja A. Evaluation of the diagnostic potential of region of deletion-1–encoded antigen culture filtrate protein-10 in pulmonary tuberculosis. *Diagn Microbiol Infect Dis* 2007;59:295–302.
14. Natarajan P, Narayanan S. *Mycobacterium tuberculosis* H37Rv induces monocytic release of interleukin-6 via activation of mitogen-activated protein kinases: inhibition by N-acetyl-l-cysteine. *FEMS Immunol Med Microbiol* 2007;50:309-318.
15. Rajeswari DN, Selvaraj P, Raghavan S, Jawahar MS, Narayanan PR. Influence of HLA-DR2 on perforin-positive cells in pulmonary tuberculosis. *Int J Immunogenet* 2007;34:379–384.
16. Ramachandran G, Hemanthkumar AK, Rajasekaran S, Padmapriyadarsini C, Narendran G, Anitha S, Subramanyam S, Kumaraswami V, Swaminathan S. Steady-state pharmacokinetics of Nevirapine in HIV-1 infected adults in India. *J Int Assoc Physicians AIDS Care* 2007;6:251-254.

17. Ramachandran G, Hemanth Kumar AK, Sukumar B, Kumaraswami V, Swaminathan S. Single dose pharmacokinetics of Efavirenz in healthy Indian subjects. *SAARC J Tuberc Lung Dis HIV/AIDS* 2007;4:38-43.
18. Ramakrishnan K, Shenbagarathai R, Uma A, Kavitha K, Rajendran R, Thirumalaikolundusubramanian P. Prevalence of intestinal parasitic infestation in HIV/AIDS patients with diarrhea in Madurai City, South India. *Jpn J Infect Dis* 2007;60:209-210.
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21. Selvakumar S, Narayanan S. Identification and characterization of the regulatory elements of the inducible acetamidase operon from *Mycobacterium smegmatis*. *Can J Microbiol* 2007;53:599-606.
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23. Shenoy RK, Suma TK, Kumaraswami V, Rahman N, Dhananjayan G, Padma S, Abhilash G, Ramesh C. Preliminary findings from a cross-sectional study on lymphatic filariasis in children, in an area of India endemic for *Brugia malayi* infection. *Ann Trop Med Parasitol* 2007;101:205-213.
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26. 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* 2007;36:387-393.

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28. Swaminathan S, Padmapriyadarsini C, Ramachandran R, Menon PA, Mohan NS, Kubendiran G, Paramasivan CN. Localized pulmonary *Mycobacterium avium* disease in HIV-infected patients without access to HAART. *J Int Assoc Physicians AIDS Care* 2007;6:264-268.
29. Thomas BE, Ramachandran R, Anitha S, Swaminathan S. Feasibility of routine HIV testing among TB patients through a voluntary counselling and testing centre. *Int J Tuberc Lung Dis* 2007;11:1296–1301.
30. Vidyarani M, Selvaraj P, Jawahar MS, Narayanan PR. 1, 25 Dihydroxyvitamin D<sub>3</sub> modulated cytokine response in pulmonary tuberculosis. *Cytokine* 2007;40:128–134.
31. 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* 2007;33:746-748.
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33. Jayakumar D, Jacobs WR Jr, Narayanan S. Protein kinase E of *Mycobacterium tuberculosis* has a role in the nitric oxide stress response and apoptosis in a human macrophage model of infection. *Cell Microbiol* 2008;10:365–374.
34. Kolappan C, Subramani R, Kumaraswami V, Santha T, Narayanan PR. Excess mortality and risk factors for mortality among a cohort of TB patients from rural south India. *Int J Tuberc Lung Dis* 2008;12:81–86.
35. Nusrath Unissa A, Selvakumar N, Narayanan S, Narayanan PR. Molecular analysis of isoniazid-resistant clinical isolates of *Mycobacterium tuberculosis* from India. *Int J Antimicrob Agents* 2008;31:71–75.
36. Swaminathan S, Subbaraman R, Venkatesan P, Subramanyam S, Kumar SR, Mayer KH, Narayanan PR. Tuberculin skin test results in HIV-infected patients in India: implications for latent tuberculosis treatment. *Int J Tuberc Lung Dis* 2008;12:168–173.

37. Swaminathan S, Padmapriyadarsini C, Sukumar B, Iliyas S, Kumar SR, Triveni C, Gomathy P, Thomas B, Mathew M, Narayanan PR. Nutritional status of persons with HIV infection, persons with HIV infection and tuberculosis, and HIV-negative individuals from southern India. *Clin Infect Dis* 2008;46:946-949.

**National:**

1. Aravindhyan V, Sulochana S, Narayanan S, Paramasivam CN, Narayanan PR. Identification & differentiation of *Mycobacterium avium* & *M. intracellulare* by PCR- RFLP assay using the *groES* gene. *Indian J Med Res* 2007;126:575-579.
2. Balasubramanian R, Ramanathan U, Thyagarajan K, Ramachandran R, Rajaram K, Bhaskar D, Shantharam, Hariharan RS, Narayanan PR. Evaluation of an intermittent six-month regimen in new pulmonary tuberculosis patients with diabetes mellitus. *Indian J Tuberc* 2007;54:168-176.
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5. 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. *Indian J Tuberc* 2007;54:152-156.
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7. Mathew S, Mohan NS, Rehman F, Dastageer A, Sundaram V, Paramasivan CN. Simple direct drug susceptibility tests on sputum samples for early detection of resistance in tubercle bacilli. *Indian J Tuberc* 2007;54:184-189.
8. Prabhu Anand S, Selvaraj P, Jawahar MS, Adhilakshmi AR, Narayanan PR. Interleukin-12B & interleukin-10 gene polymorphisms in pulmonary tuberculosis. *Indian J Med Res* 2007;126:135-138.

9. Ramachandran G, Hemanth Kumar AK, Sarala K, Padmapriyadarsini C, Anitha S, Tharani CB, Kumaraswami V, Swaminathan S. Urine levels of rifampicin & isoniazid in asymptomatic HIV-positive individuals. *Indian J Med Res* 2007;125:763-766.
10. Rekha VV, Balasubramanian R, Swaminathan S, Ramachandran R, Rehman F, Sundaram V, Thyagarajan K, Selvakumar N, Adhilakshmi AR, Iliayas S, Narayanan PR. Sputum conversion at the end of intensive phase of Category-1 regimen in the treatment of pulmonary tuberculosis patients with diabetes mellitus or HIV infection: An analysis of risk factors. *Indian J Med Res* 2007;126:452-458.
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13. Swaminathan S, Padmapriyadarsini C, Ponnuraja C, Sumathi CH, Rajasekaran S, Amerandran VA, Reddy MVK, Deivanayagam CN. Miliary tuberculosis in human immunodeficiency virus infected patients not on antiretroviral therapy: Clinical profile and response to short-course chemotherapy. *J Postgrad Med* 2007;53:228-231.
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15. Tuberculosis Research Centre. Evaluation of a non-rifampicin continuation phase (6HE) following thrice-weekly intensive phase for the treatment of new sputum positive pulmonary tuberculosis. *Indian J Tuberc* 2007;54:84-90.
16. Vadivel J, Kripasankar, Gunasundari A. Knowledge, attitude on tuberculosis among nursing students. *Nurses of India* 2007;9-11.

17. Vallinayagam V, Senthamaraikannan K, Venkatesan P. A Markov chain Monte Carlo algorithm for multiple imputation of missing values. Book published by Allied Publishers P Ltd. on Mathematics, Computing and Modeling. Ed. P. Balasubramaniam and R. Uthayakumar. 2007;257-264.
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21. Ganapathy S, Thomas BE, Jawahar MS, Josephine K, Sivasubramaniam, Weiss M. Perceptions of gender and tuberculosis in a south Indian urban community. *Indian J Tuberc* 2008;55:9-14.
22. Gopi PG, Subramani R, Chandrasekaran V, Santha T, Narayanan PR. Impact of improved treatment success on the prevalence of TB in a rural community based on active surveillance. *Indian J Tuberc* 2008;55:22-27.
23. Raghu B, Venkatesan P. Effect of n-3 fatty acid supplementation on blood glucose, lipid profile and cytokines in humans: a pilot study. *Indian J Clin Biochem* 2008;23:85-88.
24. Swaminathan S, Deivanayagam CN, Rajasekaran S, Venkatesan P, Padmapriyadarsini C, Menon PA, Ponnuraja C, Dilip M. Long term follow up of HIV-infected patients with tuberculosis treated with 6-month intermittent short course chemotherapy. *Natl Med J India* 2008;21:3-8.
25. Tuberculosis Research Centre. Limitations of conducting community surveys to assess the epidemiological impact of TB control programmes on the incidence of TB. *Indian J Tuberc* 2008;55:1-4.

**Accepted for publication:**

**International:**

1. Bakshi S, Ramachandran G, Ramesh K, Hemanthkumar AK, Anitha S, Padmapriyadarsini C, Narendran G, Menon PA, Rajasekaran S, Swaminathan S. Study of *ABCB1* polymorphism (C3435T) in HIV-1-infected individuals from south India. *Br J Clin Pharmacol*.
2. Dusthacker A, Kumar V, Selvakumar S, Sivaramakrishnan G, Zhu G, Subramanyam B, Hassan S, Selvakumar N, Chan J, Narayanan PR. Construction and evaluation of luciferase reporter phages for the detection of non-replicating tubercle bacilli. *J Microbiol Methods*.
3. Dusthacker A, Hassan S, Kumar V. Tape measure protein having MT3 motif facilitates phage entry into stationary phase cells of *Mycobacterium tuberculosis*. *Comput Biol Chem*.
4. Gosoni GD, Ganapathy S, Kemp J, Auer C, Somma D, Karim F, Weiss MG. Gender and socio-cultural determinants of delay to diagnosis of TB in Bangladesh, India and Malawi. *Int J Tuberc Lung Dis*.
5. Gupta RN, Wyatt GE, Swaminathan S, Rewari BB, Locke TF, Ranganath V, Sumner LA, Liu H. Correlates of relationship, psychological, and sexual behavioral factors for HIV risk among Indian women. *Cultur Divers Ethnic Minor Psychol*.
6. Kumar V, Loganathan P, Sivaramakrishnan G, Kriakov J, Dusthacker A, Subramanyam B, Chan J, Jacobs WR Jr, Narayanan PR. Characterization of temperate phage Che12 and construction of a new tool for diagnosis of tuberculosis. *Tuberculosis*.
7. Lakshminarayan H, Narayanan S, Bach H, Sundaram KG, Av-Gay Y. Molecular cloning and biochemical characterization of a serine threonine protein kinase, PknL, from *Mycobacterium tuberculosis*. *Protein Expr Purif*.
8. Narayanan S, Gagneux S, Hari L, Tsolaki AG, Rajasekhar S, Narayanan PR, Small PM, Holmes S, Deriemer K. Genomic interrogation of ancestral *Mycobacterium tuberculosis* from south India. *Infect Genet Evol*.
9. Pokkali S, Das SD, Logamurthy R. Expression of CXC and CC type of chemokines and its receptors in tuberculous and non-tuberculous effusions. *Cytokine*.

10. Prabha C, Rajashree P, Das SD. TLR2 and TLR4 expression on the immune cells of tuberculous pleural fluid. *Immunol Lett*.
11. Raja A, Ranganathan UD, Bethunaickan R. Improved diagnosis of pulmonary tuberculosis by detection of antibodies against multiple *Mycobacterium tuberculosis* antigens. *Diagn Microbiol Infect Dis*.
12. Rajashree P, Supriya P, Das SD. Differential migration of human monocyte-derived dendritic cells after infection with prevalent clinical strains of *Mycobacterium tuberculosis*. *Immunobiology*.
13. Rajashree P, Das SD. Infection with prevalent clinical strains of *Mycobacterium tuberculosis* leads to differential maturation of monocyte derived dendritic cells. *Immunol Lett*.
14. Rajashree P, Krishnan G, Das SD. Impaired phenotype and function of monocyte derived dendritic cells in pulmonary tuberculosis. *Tuberculosis*.
15. Ramana Rao PV, Rajasekaran S, Raja A. Augmentation of natural Killer activity with exogenous interleukins in patients with HIV and pulmonary tuberculosis co-infection. *AIDS Res Hum Retroviruses*.
16. Ramakrishnan K, Shenbagarathai R, Kavitha K, Uma A, Balasubramaniam R, Thirumalaikolundusubramanian P. Serum zinc and albumin levels in pulmonary tuberculosis patients with and without HIV. *Jpn J Infect Dis*.
17. Selvaraj P, Alagarasu K, Harishankar M, Vidyarani M, Rajeswari DN, Narayanan PR. Cytokine gene polymorphisms and cytokine levels in pulmonary tuberculosis. *Cytokine*.
18. Selvaraj P, Alagarasu K, Harishankar M, Vidyarani M, Narayanan PR. Regulatory region polymorphisms of Vitamin D receptor gene in pulmonary tuberculosis patients and normal healthy subjects of south India. *Int J Immunogenetics*.
19. Selvaraj P, Vidyarani M, Alagarasu K, Prabhu Anand S, Narayanan PR. Regulatory role of promoter and 3' UTR variants of Vitamin D receptor gene on cytokine response in pulmonary tuberculosis. *J Clin Immunol*.
20. Senbagavalli R, Geetha ST, Karunakaran K, Banu Rekha VV, Venkatesan P, Ramanathan VD. Reduced erythrocyte CR1 levels in patients with pulmonary tuberculosis is an acquired phenomenon. *Clin Immunol*.

21. Somma D, Thomas BE, Karim F, Kemp J, Arias N, Auer C, Gosoni GD, Abouihia A, Weiss MG. Gender and socio-cultural determinants of TB-related stigma in Bangladesh, India, Malawi and Colombia. *Int J Tuberc Lung Dis*.
22. Supriya P, Prabha C, Das SD. Diagnostic utility of interferon- $\gamma$  induced protein of 10kDa (IP-10) in tuberculous pleurisy. *Diagn Microbiol Infect Dis*.
23. Swaminathan S, Hanna LE, Sundaramurthi JC, Leonard A, Angayarkanni B, Francis AC, Lakshmi S, Nayak K. Prevalence and pattern of cross-reacting antibodies to HIV in patients with tuberculosis. *AIDS Res Hum Retroviruses*.
24. Weiss MG, Somma D, Karim F, Abouihia A, Auer C, Kemp J, Jawahar MS. Cultural epidemiology of TB with reference to gender in Bangladesh, India and Malawi. *Int J Tuberc Lung Dis*.

### **National**

1. Ganga Devi N, Shenbagavalli R, Subramanyam S, Subramani K, Ramesh K, Rathinam SN, Swaminathan S. Rapid progression of HIV infection in infancy. *Indian Pediatr*.
2. Prabha C, Supriya P, Das SD, Sukumar B, Balaji S. Leptin response in patients with tuberculous pleuritis. *Indian J Med Res*.
3. Rajavelu P, Das SD. Expression of co-stimulatory molecules B7.1 & B7.2 on macrophages infected with various strains of *Mycobacterium tuberculosis* & its influence on T-cell apoptosis. *Indian J Med Res*.
4. Swaminathan S, Datta M, Radhamani MP, Mathew S, Reetha AM, Rajajee S, Mathew R, Radhakrishnan A, Raghu MB. A profile of bacteriologically confirmed pulmonary tuberculosis in children. *Indian Pediatr*.
5. Swaminathan S, Antony L, Venkatesan P, Hanna LE, Angayarkanni B, Ponnuraja C, Robin J, Precilla KL, Ramachandran R. Sensitivity and specificity of combination testing algorithms for human immunodeficiency virus (HIV) in a tuberculosis clinic. *Indian J Med Res*.
6. Vasantha M, Gopi PG, Subramani R. Survival of tuberculosis patients treated under DOTS in a rural tuberculosis unit (TU), south India. *Indian J Tuberc*.

7. Thomas A, Chandrasekaran V, Joseph P, Rao VB, Patil AB, Jain DK, Chowdhary D, Saibabu, Mahapatra S, Devi S, Wares F, Narayanan PR. Increased yield of smear positive pulmonary TB cases by screening patients with  $\geq 2$  weeks cough, compared to  $\geq 3$  weeks and adequacy of 2 sputum smear examinations for diagnosis. Indian J Tuberc.
8. Venkatesan P. Markov chain Monte Carlo methods in Bayesian inference. In: Applied Bayesian Stat. Analysis.
9. Venkatesan P, Srinivasan R. Bayesian models for HIV-AIDS in India. A spatial analysis. In: Applied Bayesian Stat. Analysis.
10. Venkatesan P, Ponnuraja C. Bayesian separate and joint modeling for controlled clinical trial data using BUGS. In: Applied Bayesian Stat. Analysis.