

Scientist Profile

1. Name: C. Ponnuraja
2. Designation: Scientist C
3. Date of Birth: 29-02-1972
4. Date of Joining: 09-10-1998
5. DOJ Present post: 06-01-2003
6. Discipline: Statistics
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12. Education_Qualification

PhD in Statistics

University of Madras, Chepauk, Chennai-600 005

Master of Science in Statistics

University of Madras, Chepauk, Chennai-600 005

Bachelor of Science in Statistics

Bharathidhasan University Trichy-2
St Joseph's College (Autonomous) Trich-2

13. Research Experience:

Biostatistician at Medical Research Foundation (Sankaranethralaya) Eye Hospital, 18 College road Chennai –600 006 during Jan1996 –Oct1998

14. Membership:

- a. Life member of Indian Society for Medical Statistics,
- b. Life Member of International Biometric Society

15. Workshops

- a. “ Revised National Tuberculosis Control Program” organized by TRC and Government of Tamilnadu-2000.
- b. “ National Symposium on Recent Advances in Statistical Computing” TRC Chennai, June 2002
- c. “ National Seminar on Applications of Survival Analysis”, NIMHANS, Bangalore, India. June 2002.
- d. “ International workshop on Statistical Analysis Software (SAS)” organized by University of South Florida USA, Kripa Foundation & International Institute of Information Technology, Pune. December 2003 and Jan 2004.
- e. “ National Seminar on Recent developments in Reliability and Biostatistics” held in the Department of Statistics, University of Madras-March 2004.
- f. “TRC-UAB Short course on Clinical Research Methodology” held between March and April 2004, at TRC Chennai. Sponsored by John E Fogarty International Centre for Advanced Study in the Health Sciences, TRC (ICMR) Chennai, India & University of Alabama (UAB) Birmingham, USA.
- g. “Good clinical practice Workshop” held on July 2006 at Tuberculosis Research Centre, Chennai. Sponsored by The University of Alabama at Birmingham International Centers for excellence in Research training Program (ICER).
- h. “Research Dissemination Workshop” held on February 2, 2007 at Tuberculosis Research Centre, Madurai unit.
- i. “Modeling infectious disease” a six day workshop during the period 13-18 September 2010 at The Insitute for Mathematical Sciences, CIT Campus, Taramani, Chennai-600113.

16. Award:

- a. Smt. Surajkali Jain Award for the year 2010 for the best Paper under the age 40yrs by Indian Society for Medical Statistics

17. Miscellaneous:

Published a Book

Title: Bayesian Frailty Models
Authors: Chinnaiyan Ponnuraja, Perumal Venkatesan
ISBN 3838375262, 9783838375267

18. Publications

- **Ponnuraja C. Venkatesan P. Bayesian Meta-Analysis for Randomized Controlled Trials in Anti-Tuberculosis Chemotherapy: A Comprehensive Approach.** International Journal of Science and Technology. 2011, 1(3), 127- 135
- Soumya Swaminathan, Chandrasekaran Padmapriyadarsini, Perumal Venkatesan, Gopalan Narendran, Santhanakrishnan Ramesh Kumar, Sheik Iliayas, Pradeep A. Menon, Sriram Selvaraju, Navaneetha P. Pooranagangadevi, Perumal K. Bhavani, **Chinnaiyan Ponnuraja**, Meenalochani Dilip, andRanjani Ramachandran **Efficacy and Safety of Once-Daily Nevirapine- or Efavirenz-Based Antiretroviral Therapy in HIVAssociated Tuberculosis: A Randomized Clinical Trial.** Clinical Infectious Diseases 2011,53(7),716–724
- Ramadurai M., **Ponnuraja C. A diagnostic check on Cox PH model using residuals for tb meningitis data.** International Journal of Current Research 2011, 33(5), 96 -100.
- Ramadurai M., **Ponnuraja C. Non-parametric estimation of the survival probability of children affected by TB meningitis.** International Refereed Research Journal.2011,2(2), 216-227.
- **Ponnuraja C. An empirical investigation of meta-analysis using randomized controlled clinical trials in a particular centre.**

Journal of Applied Quantitative Methods in Medicine. 2010, 5(1), 166- 175.

- Senthamaraikannan K., Senthilkumar B., **Ponnuraja C.**, and Venkatesan P. **A bayesian hierarchical model for longitudinal data.** International Journal of Current Research 2010, 10, 12-20.
- Sameer Hassan, Azger Dusthacker, Balaji Subramanyam, **C. Ponnuraja**, Gomathi N. Sivaramakrishnan and Vanaja Kumar. **Lytic Efficiency of Mycobacteriophages**, The Open Systems Biology Journal, 2010, 3, 21-28
- **Ponnuraja C.**, Venkatesan. P. **Survival models for exploring tuberculosis clinical trial data-an empirical comparison-** Indian J.Sci.Technol. 2010;3(7)755-758
- **Ponnuraja C.**, Venkatesan. P. **Correlated frailty model: an advantageous approach for covariate analysis of tuberculosis data-** Indian J.Sci.Technol. 2010; 3(2) 151-155.
- Soumya Swaminathan, Gopalan Narendran, Perumal Venkatesan, Sheik Iliayas, Ramesh Kumar S, Pradeep Aravindan Menon, Chandrasekharan Padmapriyadarsini, Ranjani Ramachandran, **Ponnuraja C**, Mohanarani Suhadev, Raja Sakthivel, Narayanan PR. **Efficacy of a 6 vs. a 9-month intermittent treatment regimen in HIV-TB patients: A Randomized Clinical Trial – Am J Respir Crit Care Med 181:743–751, 2010 .**
- Venkatesan P and **Ponnuraja C.** **Bayesian Separate and Joint modeling for controlled clinical trial data using BUGS.** Applied Bayesian Statistical Analysis- Govt. Arts College Publication, Salem, India. 2008; 132-138.

- Soumya Swaminathan, L. Antony, P. Venkatesan, Luke Elizabeth Hanna, B. Angayarkanni, **C. Ponnuraja**, Jim Robin, K. Lucia Precilla & Ranjani Ramachandran. **Sensitivity & specificity of combination testing algorithms for HIV in a tuberculosis clinic.** Indian J Med Res. 2008; 128: 772-774.
- Soumya Swaminathan, C. N. Deivanayagam, S. Rajasekaran, P. Venkatesan, C. Padmapriyadarsini, Pradeep A. Menon, **C. Ponnuraja**, Meenalochani Dilip. **Long term follow up of HIV-infected patients with tuberculosis treated with 6-month intermittent short course chemotherapy.** The National Medical Journal of India. 2008; 21(1): 3-8.
- Swaminathan S; Padmapriyadarsini C; **Ponnuraja C**; Sumathi CH; Rajasekaran S. **Miliary tuberculosis in human immunodeficiency virus infected patients not on antiretroviral therapy: Clinical profile and response to short-course chemotherapy.** Journal of Postgraduate Medicine. 2007; 53: 228-231.
- Swaminathan S, Paramasivan CN, **Ponnuraja C**, Iliayas S, Rajasekaran S, Narayanan PR. Anti-Tuberculosis drug resistance in patients with HIV and Tuberculosis in South India. **International Journal of Tuberculosis and Lung Disease.** 2005; 9: 896-900.

- C. Nirupa, G. Sudha, T. Santha, **C. Ponnuraja**, R. Fathima, V. Chandrasekharan, K. Jaggarajamma, A. Thomas, P.G. Gopi and P.R. Narayanan. **Evaluation of Directly Observed Treatment Providers in the Revised National Tuberculosis Control Programme.** Indian Journal of Tuberculosis. 2005; 52: 73-77
- Selvakumar N, Sekar MG, Ilampuranan K, **Ponnuraja C**, Narayanan P. **Increased detection by restaining of acid-fast bacilli in sputum samples transported in cetylpyridinium chloride solution.** The International Journal of Tuberculosis and Lung Disease. 2005; 9: 195-199.