



**S. SAMITA**

**Name** : S SAMITA

**Mailing Address** : Department of Crop Science  
Faculty of Agriculture  
University of Peradeniya  
Peradeniya  
Sri Lanka.

**Citizenship** : Sri Lankan

**Present Employment** : Senior Lecturer  
Department of Crop Science  
Faculty of Agriculture  
University of Peradeniya.

**Nature of Duties** : Teaching and conducting  
examinations for undergraduate and  
Postgraduate students.

Conducting research, specially on Statistical  
Methodologies and surveys on national issues

**Educational Qualifications** : Ph.D (Statistics/Bio-Statistics)  
Edinburgh, U.K. 1995

M.Phil (Biometry)  
Postgraduate Institute of Agriculture  
Peradeniya University  
Sri Lanka. 1992.

B.Sc. (Agriculture)  
Peradeniya, Sri Lanka, 1989

**Field of Specialization** : Statistics

**Area of Specialization** : Analysis of Binary data.

i. **Title of M.Phil. Thesis**

Optimum plot size and statistical relationship between Tapping pannel variables and yield of rubber (*Hevia brasiliensis*).

ii. **Title of Ph.D Thesis**

Analysis of aggregated plant disease incidence data

**PUBLICATIONS (2001-2005)**

Satarasinghe, A J, Thattil, R O, **Samita S** and Premalal R (2001) Evaluation of performance of public schools: An application of GIS in education surveys. Tropical Agricultural Research. Vol. 13. 2

Mendis S, Arsecularatne Y M, Withana N and **Samita S** (2001) *Chlamydia pneumoniae* infection and its association with coronary heart and cardiovascular risk factors in a sample south Asian population. International Journal of Cardiology, Vol 79.

Marambe B and **Samita S** (2002) Propanil resistance in barnyardgrass (*Echinochloa crus-galli* (L.) P. Beauv.) and use of herbicides with alternative modes of action for their control in Sri Lanka, Journal of Plant Disease and Protection, Vol. XVIII, 967-972.

Dorabawila, S S K B M, **Samita S** and Thattil R O (2002) Classification of state schools in Sri Lanka: A multivariate approach. Ceylon Journal of Science (Physical Sciences) Vol 9 (1),

Pathirage R P and **Samita, S** (2002) Testing independence in three way tables with multiple responses. Journal of Applied Statistics Association of Sri Lanka (Vol. 1)

Pathmanathan, V and **Samita S** (2003) Use of dynamic factor model to analyse annual inflation data from twelve Asian countries. Tropical Agricultural Research. Vol. 15.

Anputhas M, **Samita S** and S De Z Abey Siriwardena (2003) Multivariate approach in varietal selection. Tropical Agricultural Research. Vol. 15.

Wijetunga, P M A P K, **Samita S** and Ahangama D (2003) Incidence and severity of cashew pest (*Helopeltis antonil* sign.) damage, and the effect of flushing stage on severity during fruiting season. Tropical Agricultural Research. Vol. 15.

Piyasiri C H, Peiris, T S G and **Samita S** (2004) Change in rainfall and temperature of low country wet intermediate (IL1) region of Sri Lanka. Tropical Agricultural Research. Vol 16.

Anputhas M, **Samita S** and S De Z Abey Siriwardena (2004) Regression based on multivariate index as a tool for varietal recommendation. Proceedings of the International Sri Lankan

Statistical Conference: Visions of Futuristic Methodologies, (Eds B M De Silva and N Mukhopadhyay), University of Peradeniya, Sri Lanka and RMIT University, Australia, 61–70.

Pathmanathan V and **Samita S** (2004) Dynamic factor analysis to estimate common trends in multivariate time series: a case study–Rubber export time series from Sri Lanka. Proceedings of the International Sri Lankan Statistical Conference: Visions of Futuristic Methodologies, (Eds B M De Silva and N Mukhopadhyay), University of Peradeniya, Sri Lanka and RMIT University, Australia, 333–340.

Piyasiri C H, Peiris T S G and **Samita S** (2004) Empirical prediction of maximum and minimum air temperature in Sri Lanka. Proceedings of the International Sri Lankan Statistical Conference: Visions of Futuristic Methodologies, (Eds B M De Silva and N Mukhopadhyay), University of Peradeniya, Sri Lanka and RMIT University, Australia, 371–380.

### **SCIENTIFIC COMMUNICATIONS:**

Jayathilake J A M S, Wimalasiri, W R, Wettasinghe and **Samita S** (2001) Fluoride concentration in whole saliva, salivary pH and the carious of patients attending the restorative dentistry clinic, faculty of Dental Sciences. International Dental Congress and 69<sup>th</sup> year SLDA annual sessions.

Waidyaratne, K P, Peiris, T S G and **Samita, S** (2001) Increasing the precision in tree crop experimentation. Proceedings of the Annual Research Sessions, University of Peradeniya, Vol 6,

Dissanayake, D M, Sugathadasa, R and **Samita S** (2003) Low cost screening method for identification of haemoglobin E/b thalassaemias. Proceedings of the Annual Research Sessions, University of Peradeniya, Vol 8

Ranasinghe, J G S, Abeygunawardane, A, Gamlath, G R R D K, **Samita S** and Perera P A J (2004) Prophylactic use of yoghurt to reduce antibiotic association diarrhoea of children in Sri Lanka. Proceedings of the Sri Lanka College of Paediatricians, Vol 2 (5) 46p

### **THESIS SUPERVISION (2001 – 2005)**

#### **Ph.D:**

Satarasinghe A J (2002) GIS as a stratification technique. *Ph.D. Thesis*. Postgraduate Institute of Agriculture, University of Peradeniya.

#### **M.Phil.**

Anputhas M (2004) Multivariate approach in recommendation of crop varieties. *M.Phil. Thesis*. Postgraduate Institute of Agriculture, University of Peradeniya.

## **M.Sc**

Murugaiah Y (2001) Modelling crop growth by non linear models. M.Sc Thesis Postgraduate Institute of Science, University of Peradeniya.

Jayakumar S (2001) Determination of factors affecting the performance of students on the subject science at GCE(O/L) examination in Batticaloa district. Postgraduate Institute of Science, University of Peradeniya.

Pathirage R P (2002) Analysis of contingency tables with multiple responses – special emphasis on three-way tables, Postgraduate Institute of Science, University of Peradeniya.

Anura S J M N (2002) Modelling clustered binary data using beta binomial model Postgraduate Institute of Science, University of Peradeniya.

Bakeerathan, M (2003) A Concept of non-parametric procedure for testing homogeneity of variance and a non-parametric approach in testing higher order interactions, Postgraduate Institute of Science, University of Peradeniya.

## **SEMINARS/WORKSHOPS (2001 – 2005)**

- Resource person to the Short Course in Business Statistics and Mathematics, conducted by the Postgraduate Institute of Science, University of Peradeniya - 2002.
- Resource person to the Short Course Buffet on Computer Applications and Statistics conducted by the Postgraduate Institute of Science, University of Peradeniya – 2003

## **OTHER ACTIVITIES**

- Chairman, Board of Study in Biostatistics, Postgraduate Institute of Agriculture, University of Peradeniya, April 2002.onward
- Member of the Board of Management, Postgraduate Institute of Agriculture, April 2002 onward
- \* Secretary, Board of Study in Biometry, Postgraduate Institute of Agriculture, University of Peradeniya, 1997 - 2002.
- Member, Board of Study in Applied Statistics and Computer Science, Postgraduate Institute of Science, University of Peradeniya since 1996.
- Member of the Teaching panel, Board of study in Biometry, Postgraduate institute of Agriculture, 1995 onward
- Member of the Teaching panel, Board of study in Statistics and Computer Science, Postgraduate institute of Science, 1997 onward

- Member of the Teaching panel, Board of study in Zoological Sciences, Postgraduate institute of Science, 2001 onward
- Member of the Teaching panel, Board of study in Environmental Science, Postgraduate institute of Science, 2001 onward
- Member of the Teaching panel, Board of study in Mathematics, Postgraduate institute of Science, 2001 onward
- Member of the Teaching panel, Board of Study in Science and Education, Postgraduate institute of Science, 2002 onward
- Member of the Teaching panel, Higher Degree programme, Faculty of Arts, University of Peradeniya, 1998 onward
- Visiting Lecturer, Faculty of Science, University of Peradeniya. (Since 1996)
- Visiting Lecturer, Faculty of Veterinary Medicine and Animal Science, University of Peradeniya. (Since 1996)
- Visiting Lecturer, Postgraduate Institute of Agriculture, University of Peradeniya. (Since 1996)
- Visiting Lecturer, Postgraduate Institute of Science, University of Peradeniya. (Since 1997)
- Visiting Lecturer, Faculty of Arts (Higher degree programme), University of Peradeniya. (Since 1998)
- External Examiner, Faculty of Applied Science. University of Jaffna (Since 1997)
- External Examiner, Faculty of Applied Science. Sabaragamuwa University (Since 1997)
- External Examiner, Faculty of Agriculture. Eastern University (Since 1997)
- External Examiner, Faculty of Applied Science. South Eastern University (Since 1997)
- External Examiner, Faculty of Applied Science, Rajarata University of Sri Lanka. (Since 1997)
- External Examiner, Faculty of Management Studies, Rajarata University of Sri Lanka. (Since 1997)