

## CURRICULUM VITAE

**Surname with Initials** : SAMITA, S

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

**E – mail** : ssamita@pdn.ac.lk

**Educational Qualifications** : Ph.D (Biostatistics)  
Edinburgh, U.K. 1995

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

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

**Field of Specialization:** Biostatistics

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

### Major research Interest

Generalized Linear Models

Overdispersion with Categorical responses

Multivariate Methods and their applications

### On going research

1. Alternative designs in the presence of Overdispersion.
2. Parameters estimation on multinomial type distributions
3. Sampling techniques for forestry studies

### Professional achievements

- 1) President/Applied Statistics Association of Sri Lanka (Reg. No. N(A)840) (June 2002 – August 2005)

- 2) Secretary/ Applied Statistics Association of Sri Lanka (Reg. No. N(A)840) (May 1999 – May 2002)
- 3) Head/Dept. of Crop Science (14 September 2003 to 13 September 2006)
- 4) Secretary/Board of Study in Biometry, Postgraduate Institute of Agriculture, University of Peradeniya (April 1997 - December 2001)
- 5) Chairman/Board of Study in Biometry (Biostatistics), Postgraduate Institute of Agriculture, University of Peradeniya (January 2002 to January 2007)
- 6) Member of Board of Management Postgraduate Institute of Agriculture, university of Peradeniya (January 2002 to January 2007 and January 2010 onward)

### **Academic Awards**

President's Research Awards 2001

### **Publications : (2005 on ward)**

#### **i) In refereed journals:**

**Samita S**, Anputhas M and Abeysiriwardane, D S De Z (2005) Accounting for multi traits in recommending rice varieties for diverse environments. *Experimental Agriculture*, Cambridge University Press, UK, 41, 213 – 225

Peiris, T U S, **Samita, S** and Kumari, W M R (2006) Variability in rainfall pattern and its impact on tea in Uva region of Sri Lanka. *Sri Lanka Journal of Tea Science*, 71(1), 8–23.

Waidyaratne, K. P. Peiris, T S G and **Samita, S** (2006) Shift in onset of first inter monsoon rain in coconut growing areas in Sri Lanka. *Tropical Agricultural Research*, 18, 271–281

Kumari, W M R and **Samita, S** (2006) Determination of the sampling technique to estimate the performance at grade V scholarship examination. *Tropical Agricultural Research*, 18, 271–281

Kularatne, J D J S, Peiris, T S G and **Samita, S** (2006) Feasibility of single palm plot in coconut experimentation. *Tropical Agricultural Research*, 18, 271–281.

**Samita, S** and Jayakody, A. N. (1991) Effect of green manure incorporation on nutrient kinetics in a flooded iron toxic soil\*\*. *Journal of Soil Science Society of Sri Lanka*, 7, 34–53

Wijesuriya, W, Thattil, R O and **Samita, S** (2007) Indices for measuring performance of smallholder rubber units. *Journal of National Science Foundation Sri Lanka*, 35(2) 71–79.

Ranasinghe, J G S, Gamlath, G R R D K, **Samita, S** and Abeygunawardena, A S (2007) Prophylactic use of yoghurt reduces antibiotic induced diarrhoea in children. *Sri Lanka Journal of Child Health*, 36, 53–56

Peiris, T U S, **Samita, S** and Fernando, E K N D (2007) Analysis of variability of bright sunshine hours and temperature in tea-growing areas in Sri Lanka. *Sri Lanka Journal of Tea Science*, 71(2), 75–88

**Samita, S.** and Kumari W M R (2006) Multivariate based stratification as an alternative to multi-stage stratification in stratified random sampling. *Sri Lankan Journal of Applied Statistics*, 7, 55–69

Peiris, T S G, Waidyaratne, K P, **Samita, S** and Thattil R O (2007) Control of spatial effects due to neighboring plants in coconut (*Cocos nucifera*) experiments. *International Journal on Coconut Research and Development*, 23(2), 46–57

Peiris, T U S, **Samita S** and Veronica, W H D (2008) Accounting for spatial variability in tea experimentation. *Experimental Agriculture*, Cambridge University Press, UK, 44, 547–557

Ranasinghe, J G S, Ranasinghe, A R A H and **Samita, S** (2008) Prevention of antibiotic induced diarrhoea in dogs. *Indian journal of animal nutrition* 25 (3) 288–292

## **ii) In Conference Proceedings (Abstract)**

**Samita, S** and Dharmaratne, S D (2005) Logistic normal binomial model as an alternative to binomial model for analysing clinical group binary data with overdispersion. Proceedings of VIII biennial conference of International Biometrics Society (Indian Region), Bangalore, India, 62

Anputhas M, **Samita S** and S De Z Abeysiriwardena (2005) Multivariate based variance component analysis as a technique for recommending crop varieties. Proceedings of VIII biennial conference of International Biometrics Society (Indian Region), Bangalore, India, 34–35,

Dharmaratne, S D and **Samita, S** (2005) Aspects of causative factors in road traffic accidents. Proceedings of VIII biennial conference of International Biometrics Society (Indian Region), Bangalore, India, 62

**Samita, S** and Dharmaratne, S D (2006) Evaluation of Logistic normal binomial model as an alternative to binomial model in analysing clustered clinical data. Proceedings of XXIII<sup>rd</sup> biennial conference of International Biometrics Society, 31, Montreal, Canada

Anputhas M, **Samita S** and S De Z Abeysiriwardena (2006) Variance component analysis based on nested multivariate models as a tool for varietal recommendations, Proceedings of XXIII<sup>rd</sup> biennial conference of International Biometrics Society, 45, Montreal, Canada

Dharmaratne, S D and **Samita, S** (2006) Dynamic factor model to identify common trends in road traffic accidents in Asian countries. Proceedings of XXIII<sup>rd</sup> biennial conference of International Biometrics Society, 50, Montreal, Canada

**S Samita**, Dharmaratne S D, Jayasinghe, C and Anputhas, M (2006) Variability in the response probability as a latent variable in analysing clustered clinical data. Proceedings of International Conference on Statistical Latent Variable Models in Health Sciences, 86-87, Perugia, Italy

Karunaratne, A M, Perera, P A J, Amarasinghe, P H, Sandstead, H H, Ramanujam, S, Serfass, R E and **Samita S** (2006) Protein, energy, iron, zinc, and vitamin A nutriture of 3-5 yr group of children of low-socio-economic status in Kandy, Sri Lanka and its outcome. Proceedings of the

10<sup>th</sup> anniversary celebrations of the Postgraduate Institute of Science, University of Peradeniya, Sri Lanka, 25.

#### **iv) Text Books**

**S Samita** (2006) Basic Designs in Agricultural Experiments; Fundamentals and Practice. Postgraduate Institute of Agriculture, University of Peradeniya, 223p. [ISBN 955–8577–03–0]

#### **Thesis Supervision:**

Four Ph.Ds three M.Phils and seven M.Sc have been awarded.

#### **Coordinator of Short Courses/Workshops**

- More than 20 Short Courses have been organized for varied target groups.

#### **Resource person to Seminars/Workshops**

Participated for more than 30 Seminars/Workshops as a resource person.

#### **Other Activities :**

- Member, Board of Study in Biostatistics, Postgraduate Institute of Agriculture, University of Peradeniya since 1996.
- 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 in Biostatistics, Faculty of Science, University of Peradeniya. (Since 1996)
- Visiting Lecturer in Biostatistics, Faculty of Veterinary Medicine and Animal Science, University of Peradeniya. (Since 1996)
- Visiting Lecturer in Biostatistics, Postgraduate Institute of Agriculture, University of Peradeniya. (Since 1996)
- Visiting Lecturer in Statistics, Postgraduate Institute of Science, University of Peradeniya. (Since 1997)
- Visiting Lecturer in Statistics, 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)