G. MANIMANNAN
No. 10, Manonmaniam Street
Chitlapakkam, Chennai – 600 064
Mobile No.: 91-9677205250
Land Line: 91-44- 22234800

E-mail ID: manimannang@gmail.com

Objective: To pursue a highest position in academic and Research in an esteemed organization to provide an opportunity for the continuous development to achieve the personal and organized goals.

Educational Qualification:

- Doctor of Philosophy (Statistics), University of Madras, Chennai, (2006), Highly Commended.
- Master of Philosophy (Statistics, University of Madras, Chennai (1999).
- Master of Science (Statistics), University of Madras, Chennai (1996).
- Bachelor of Science (Statistics), Bharathidasan University, Trichy, (1993).
- Postgraduate Diploma in Computer Application (PGDCA), Pondichery University, Pondichery (2004).

Professional Experience:

- Assistant Professor, Department of Statistics, Madras Christian College from June 2006 to till date.

Academic Member:

- Life member of the Indian Association for Productivity, Quality and Reliability, Kolkata, India.

Job Profile:

- Tutoring various computer oriented practical in Statistics for Undergraduate and postgraduate students.
- Project Guidance and consultation (for various discipline Research Scholars & few Government Hospital doctors) in application of Statistics related to Psychological & Socio economic and Market research studies.
- A member in planning and execution of state-wide public opinion survey on political parties, leaders and socio-economic issues, conducted by the department of statistics during the academic years.

Areas of Interest:

- Computer Science
- Applied Multivariate Statistical Analysis
- Sampling Theory
- Testing of Hypothesis

- Stylometry Analysis and Authorship Attribution
- Market Research
- Data Mining and Neural Network

Resource Person:

- The Training Programme on Analysis of Data using Statistical Package, St. Christopher's College of Education (Autonomous), Chennai, 2010, 2011 and 2012.

Research Experience:

Publications in National and International Journals

1. Use of probabilistic neural network in the classification of articles of ambiguous authorship, International Journal of Engineering Research and Technology (IJERT) ISSN: 2278- 0181 (With R. Chandrasekaran).

2. Identification of Consistent and Distinct Writing Styles: A Clustering-based Stylistic Analysis, Language Forum, A Journal of Language and Literature, New Delhi, pp. 57-72, **2010** (with M. Bagavandas).

3. Style Consistency and Authorship Attribution: A Statistical Investigation, Journal of Quantitative Linguistics, Routledge, Taylor and Francis Group, Germany, pp.100-110, **2009** (with M. Bagavandas).

4. Neural Computation in Authorship Attribution: The case of Tamil Articles, Journal of Quantitative Linguistics, Routledge, Taylor and Francis Group, Germany, pp.115-131, **2009** (with M. Bagavandas).

5. Statistics and Literary Analysis, Readings in Quantitative Linguistics, Indian Institute of Language Studies, New Delhi, pp. 45-58. **2008** (with M. Bagavandas).

6. Neural Network Classification and Authorship Attribution of Articles of Unknown Authorship using Radial Basis Function proceedings of National Conference on Artificial Intelligence and Neural Networks, SRM University, Chennai, **2008**, pp. 246-256. (with R. Chandrasekaran).

7. A Study on Authorial Consistency and Attribution: A Canonical Discriminant Analysis Approach, proceedings of International Conference on the Statistical Analysis Textual Data, University of Besancan, France, **2006**, pp. 89-98. (with M. Bagavandas).

8. Computational Authorship using Neural Network, Computing and Mathematical Modeling, Narosa Publications, New Delhi, pp. 67-78. **2006** (with M. Bagavandas).

9. Quantification of Stylistic Traits: A Statistical Approach, proceedings of International Conference on the Statistical Analysis Textual Data, University of Ligie, Belgium, **2004**, pp. 71-78. (with M. Bagavandas).

10. An Assessment of weighted CUSUMS for Authorship Attribution, XXIII Annual Conference of Indian Society for Probability and Statistics (ISPS), Nagarjuna University, December 18 - 20, 2003, Scientific Report, Madras Christian College Magazine, Report No. 76. **2005** (M. Bagavandas).

11. Authorship Determination: A neural network Approach using Mat Lab, 25th Annual Conference of Indian Society for Probability and Statistics (ISPS), Bangalore

University, December 28 - 30, 2005, Scientific Report, Madras Christian College Magazine, Report No. 80. **2005** (M. Bagavandas).

12. Statistical Classification of Authorship Attribution: A Statistical Approach, Tamil Elakkiya Vakaimaiyal, International Institute of Tamil Studies, Chennai, pp. 317-333, **2005** (with M. Bagavandas).

Papers Presented in National and International Conferences

1. Assessing Indian Industries on the Basis of Financial Ratios using Certain Data Mining Tool, Paper presented at International Conference on Statistics and Information Analytics, Department of Statistics, Loyola College, Chennai, **2012** (with R. Chandrasekaran and R. Lakshmi Priya).

2. Individual Knowledge and Household Level Causes Associated with Malaria Incidence in a Kudapakkam Village: A Statistical Exploration, Paper presented at UGC Sponsored National Conference on Bio Statistics, SDNB Vaishnav College for Women (Autonomous), Chennai **2012** (with R. Chandrasekaran and R. Prema).

3. Indian Industrial Position on the Basis of Financial Ratios: A Data Mining Approach, Paper presented at International Conference on Statistics and Information Analytics, Department of Statistics, Loyola College, Chennai, **2011** (with R. Chandrasekaran and R. Lakshmi Priya).

4. A Study on Road Traffic and Accidents in Tambaram, Chennai, UGC Sponsored National Conference on Statistics, Kerala University, Kerala, **2011** (With R. Chandrasekaran, Ansu M. Mathew and Karthika J.)

5. On the Classification of Articles of Ambiguous Authorship using Multivariate Statistical Analysis, Paper presented at International Conference on Statistics and Information Analytics, Department of Statistics, Loyola College, Chennai, **2010** (with R. Chandrasekaran).

6. A Performance Perspective of Grouping Industries by using Multivariate Statistical Techniques, Paper presented at the XI Annual Conference of the Society of Statistics, Computer and Applications, Department of Statistics, University of Madras, March 24-26, **2009** (with R. Chandrasekaran and R. Madhanagopal).

7. Use of Generalized Regression Neural Network in Authorship Attribution, Paper presented at National Conference on Research areas in Computer Science, Dept. of Computer Science, SRM University, Ramapuram Campus, Chennai, **2009** (with R. Chandrasekaran).

8. Neural Network Classification and Authorship Attribution of Articles of Unknown Authorship using Radial Basis Function, Paper presented at National Conference on Artificial Intelligence and Neural Networks, SRM University, Chennai, **2008**, (with R. Chandrasekaran).

9. Study on Authorial Consistence: A Statistical Quality Control Approach, Paper presented at International Conference on Mathematical and Applied Statistics, Organized by Indian Institute of Technology and Stella Maries College, Chennai, **2007** (with M. Bagavandas).

10. A Study on Authorial Consistency and Attribution: A Canonical Discriminant Analysis Approach, Paper Presented at International Conference on the Statistical Analysis Textual Data, University of Besancan, France, **2006**, pp. 89-98. (with M. Bagavandas).

11. Statistical Classification of Authorship Attribution: A Statistical Approach, Paper presented at International Conference on Tamil Elakkiya Vakaimaiyal, International

Institute of Tamil Studies and MGR Janaki College for women, Chennai, **2005** (with M. Bagavandas).

12. Computational Authorship using Neural Network, Paper presented at National Conference on Computing and Mathematical Modeling, Department of Mathematics, The Gandhigram Rural Institute-Deemed University, Gandhigram, **2005** (with M. Bagavandas).

13. Statistics and Literary Analysis, UGC-SAP, Paper Presented at International Symposium on Linguistics, Quantification and Computation, Centre for Applied Linguistics and Translation Studies, University of Hyderabad, Hyderabad, **2005** (with M. Bagavandas).

14. Quantification of Readability using Stylostatistics Characters, Paper Presented at National Seminar on Recent Advances in Statistical Methodologies and Applications (RASMA) to be held at Bharathiar University, Coimbatore. Tamilnadu, **2004** (with M. Bagavandas and P. Chidambaranathan).

15. Quantification of Stylistic Traits: A Statistical Approach, Paper Presented at International Conference on Textual Data Analysis in University of Ligie, Belgium, **2004** (with M. Bagavandas).

16. An Assessment of Weighted CUSUM for Authorship Attribution, Paper Presented at XXIII Annual Conference of ISPS in Nagarjuna University, Guntur, Andhra Pradesh, **2003** (with M. Bagavandas).

17. Quantitative Analysis of Tamil Literary Style, Paper presented at the National Seminar on Recent Trends in Statistics and Workshop on Statistical Computing, NAS College, Kanhangad, Kerala, **2002** (with M. Bagavandas).

18. Literary Analysis using CUSUM Technique on Bharathiar Writings, Paper presented at the National Conference on Statistical Methods and Applications and Conference of Society for development of Statistics, Nagarjuna University, Guntur, Andhra Pradesh, **2002** (with M. Bagavandas).

19. A Study on Authorship Attribution: A Statistical Approach, Paper Presented at 4th International Conference on South Asian Languages, CAS in Linguistic, Department of Linguistic, Chidambaram, **2002** (with M. Bagavandas).

20. Authorship Attribution: The case of Bharathiar, Paper Presented at National Conference on Mathematical and Applied Statistics, Nagpur, November 5-7, **2001** (with M. Bagavandas).

Citation Index

1. Digital Detecting: New Resources for Determining Internet Authorship, Lynne Edwards, April Kontosthathis, **WeSci 2012, June 22-24, 2012, Evanston, Illinois, USA.**
http://webpages.ursinus.edu/akontostathis/websci2012Final.pdf

2. Diferencias internas en *Don Quijote*. Cambios en proporciones y cambios estructurales, Freddy López Quintero, **2011, ISSN; 1579-735X**.
http://parnaseo.uv.es/Lemir/Revista/Revista15/13_Lopez_Freddy.pdf

3. Quantifying the vicissitude of Fitzgerald's creativity a statistical analysis based on lexical measures, Liu Haiyan, Yin Xiaohu, **IEEE Joint International information Technology and Artificial Intelligence Conference- ITAIC, 2011**
http://academic.research.microsoft.com/Publication/51135514/quantifying-the-vicissitude-of-fitzgerald-s-creativity-a-statistical-analysis-based-on-lexical

4. Change of Word Characteristics in 20th-Centurary Turkish Literature: A Statistical

Analysis, Fazil Can and Jon M. Patton, **Volume 17, Issue 3, 2010**, Journal of Quantitative Linguistics, Taylor and Francis Group.
http://www.users.muohio.edu/canf/papers/canpattonjqloffprint.pdf

5. Language Corpora, Niladri Sekhar Dash, Mital Publocation, New Delhi, India, 2009, ISBN No. 81-8324-255-3.

6. Aplicación de técnicas de PLN a la ATRIBUCIÓN DE AUTORÍA, Marría Parrdiiño Juan, Diciembre 2008.

Workshop and Seminars Attended

1. UGC Sponsored workshop on Six-Sigma Concepts, Organized by Dept. of Statistics, Madras Christian College, Chennai, 2010.

2. National Conference in Human Development, jointly organized by Madras Christian College and Tamilnadu State Planning Commission, 2008.

3. National Workshop on Statistical Methods, Organized by Department of Statistics, Pondichery University, Pondichery, 2008.

4. Workshop on Survey Methodology, Sponsored by UGC and Organized by Department of Statistics, Madras Christian College, Chennai, 2007.

5. Workshop on R- Programming Organized by Department of Statistics, University of Madras,Chennai, 2004.

6. Workshop on WORDNET for Dravidian Languages, conducted by AU-KBC Centre, Madras Institute of Engineering Technology (MIET), Chennai and Tamil University, Thanjavur and Central Institute of Indian Languages, Mysore, 2003.

7. Workshop on Statistical Computing, conducted by the department of Statistics, NAS College, Kanhangad, Kerala, 2002.

8. Regional Seminar on Project work in Statistics, Sponsored by University Grant Commission and in collaboration with the Indian Statistical Institute, Dept. of Statistics, Madras Christian College, Chennai, 1995.

M. Phil., Project:

- **Authorship attribution: the case of Bharathiar**.

Summary: The data relating to Stylometry and authorship attribution of Bharathiar, T. V. Kalyansundaram, Subramanya Iyer and unknown articles were explored to identify the style and authorship with respect to certain linguistic features. Advanced statistical tools such as Multiple Discriminant Analysis (MDA), Factor Analysis (FA) and Cluster Analysis (CA) have been used to identify the writing style and authorship attribution.

Ph. D., Project:

- **Quantification of Stylistic Traits and Authorship Attribution**: **A Computer - Oriented Statistical Approach.**

Summary: The study deals with the literary works of three contemporary Tamil Scholars, namely, Mahakavi Bharathiar (MB), Subramaniya Iyer (SI) and Thiru. V. Kalayanasundaram (TVK). During pre-independence period, these three scholars have written a number of articles on India's freedom movement in the magazine called *India.* Initially, all the three scholars had written their articles by attributing their names in this magazine. Because of the opposition of the then British regime,

the articles written on the same topic then appeared in the same magazine but without the author's name. Ilasai Maniyan (1975) has compiled all attributed and unattributed articles and brought a book called *Bharathi Dharisanam*. This scholar, in this book, also made a statement that writing style of these un-attributed articles indicates that MB may be Plausible author of these articles. This pioneering study makes an attempt to verify his statement using statistical techniques.

Project Guide (for Post Graduate Students)

1. An Evaluation of Identity and Sharing Behaviour in Social Network Students Communities: A Statistical Study, 2012 (Aparna B. R and Usha G).

2. Survival Analysis for Breast Cancer Patients: A Statistical Exploration, 2012 (Eliyaraj P. and Dineshkumar V, S)

3. A Study on Road Traffic Accidents in Tambaram, Chennai, 2011 (Ansu M. Mathew and J. Karthika).

4. Classification and Performance of Indian Major Industries using Neural Network Approach, 2011 (L. M. Swathi and Lokesh Kumar).

5. Impact of Occupational Stress on Employees of IT industries in Chennai, 2010 (Dimpy Mary Jose, Suparna and Surya).

6. Customer preferences in Car Brands: A case Study in Tambaram, 2009 (Aparna S, Punitha and Preethi Narayan)

7. Grading Industries on the basis of Financial Ratios: A Statistical Approach, 2008 (Aravindan, Charles Abraham and Paneerselvan)

8. Assessing Performance of Indian Industries using Multivariate Techniques, 2007 (Renjini and Asha Thomas Mathew).

Technical Qualification:

- ***Operating System****:* Novel Netware and Windows.
- ***Computer Programming Languages Known****:* FORTRAN, C, C++, PASCAL, COBOL, HTML, FoxPro, JavaScript, DHTML and *Visual* Basic.
- ***Packages***: MS-Office and DBMS
- ***Statistical Packages****:* SPSS, SYSSTAT, STATISTICA, Working Knowledge in SAS and MatLab.

Personal Profile:

Date of Birth　　　　: March 11, 1972
Languages Known : Tamil and English
Nationality　　　　: Indian
Marital Status　　*:* Married

References:

1. Dr. R. Chandrasekaran
Head (Retd.), Dept. of Statistics
Madras Christian College
Tambaram, Chennai - 600 059.
Phone: 91-44-22246079.

2. Dr. M. Bagavandas
Dean of Population Studies
TRP School of Management
SRM University, Chennai.
Phone: 91-44- 22230906.