



PSG Institute of Medical Sciences & Research

Post Box No. 1674, Peelamedu, Coimbatore 641 004, INDIA
Phone : 91 422-2598822, 2570170 • Fax: 91 422-2594400
E-mail : psgmedschool@gmail.com Website : www.psgimsr.in

CERTIFICATE

This is to certify that the project work entitled “**Applications of Receiver Operating Characteristic Curve in Estimating an Optimum Cutoff Value for Urea and Alanine Aminotransferase in Acute Liver Failure Patients**” is a record of original work done by **ALAN JOSE** under my supervision and guidance in partial fulfillment of the requirements for the degree of **Master of Science in Biostatistics** of Mahatma Gandhi University, Kottayam. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associate ship or Fellowship or other similar title to any other candidate of this or any other university.

Anil Mathew

Dr. Anil C Mathew

Professor of Biostatistics

Department of Community Medicine

PSG Institute of Medical Sciences & Research

Coimbatore, Tamil Nadu

Forwarded by:

Dr. K. K. Jose

Jose

Head of the Department of Biostatistics

St. Thomas College, Pala, Kerala

Dr. Anil C. Mathew Ph.D.,
Professor of Biostatistics
Department of Community Medicine
PSG Institute of Medical
Sciences and Research
Coimbatore - 641 004.

REGIONAL CANCER CENTRE

P.O. BOX No. 2417
MEDICAL COLLEGE CAMPUS
THIRUVANANTHAPURAM-695 011
KERALA STATE



Fax : +91 471 2447454
Phone : +91 471 2442541
Website : www.rcctvm.org
E-mail: webmaster@rcctvm.org

CERTIFICATE

This is to certify that the project entitled **“REPRODUCTIVE RISK FACTORS FOR BREAST CANCER: A CASE- CONTROL STUDY”** is a record of original work done by **ANJU ELDHOSE** under my supervision in partial fulfilment of the requirements of the degree of master of science in Biostatistics of Mahatma Gandhi University, Kottayam. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associate ship or fellowship or other similar or other similar title to any candidate of this or any other University.

Dr. Preethi Sara George, Msc. (Stat.), M.Phill, Ph.D

Associate Professor in Biostatistics

Division of Cancer Epidemiology and Biostatistics

Regional Cancer Centre, Thiruvananthapuram





DEPARTMENT OF BIOSTATISTICS

Biostatistics Resource and Training Centre
Christian Medical College, Vellore - 632 002, India.

Dr. L. JEYASEELAN, M.Sc., Ph.D., FRSS., FSMS
Professor & Head

Certificate

This is to certify that this dissertation entitled "**Bootstrap GLM with log link (Poisson) for Overdispersed Count Data**" of the candidate Ms. Anu Babu for the degree of Master of Science in Biostatistics submitted to the faculty of science of Mahatma Gandhi University, Kottayam, is a record of her research work done under the guidance of **Dr. L. Jeyaseelan Ph.D., FRSS., FSMS.,** Professor and Head, Department of Biostatistics, Christian Medical College, Vellore.

Dr. L. Jeyaseelan Ph.D., FRSS., FSMS.,
Professor and Head,
Department of Biostatistics,
Christian Medical College,
Vellore, India.

August 30, 2017

POST GRADUATION DEPARTMENT OF BIOSTATISTICS

ST. THOMAS COLLEGE, PALAI, KERALA

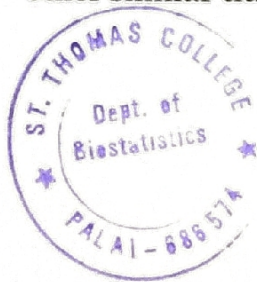
(Affiliated to Mahatma Gandhi University, Kottayam and Reaccredited at A Grade by NACC)

UGC Identified College with Potential for Excellence

SEPTEMBER 2017

DECLARATION

I hereby declare that the project work entitled "**Prevalence of Sexually Transmitted Diseases in Kerala, South India: Protocol of Design and Methods Of a Population Survey**" is a record of original work done by me under the supervision and guidance of **Dr. L.Jeyaseelan** in partial fulfillment of the requirements for the Degree of **Master of Science in Biostatistics** of Mahatma Gandhi University, Kottayam and it has not previously formed the basis for the award of any other Degree or Diploma or Associateship or Fellowship or other similar title to any candidate of this or any other University.



ASWANY PA

Countersigned

A handwritten signature in blue ink, appearing to read "Jose".

Dr. K. K. Jose

Professor and Head of Biostatistics

Department of Biostatistics

St. Thomas College, Pala

DEPARTMENT OF BIOSTATISTICS

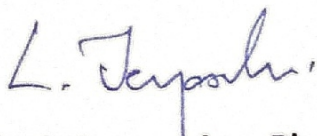
Biostatistics Resource and Training Centre
Christian Medical College, Vellore - 632 002, India.

Dr. L. JEYASEELAN, M.Sc., Ph.D., FRSS., FSMS

Professor & Head

Certificate

This is to certify that this dissertation entitled "**Review of methods for Publication bias in Meta analysis**" of the candidate **Ms. Fathima K M** for the degree of Master of Science in Biostatistics submitted to the faculty of science of Mahatma Gandhi University, Kottayam, is a record of her research work done under the guidance of **Dr. L. Jeyaseelan, Ph.D., FRSS., FSMS.,** Professor and Head, Department of Biostatistics, Christian Medical College, Vellore.



Dr. L. Jeyaseelan, Ph.D., FRSS., FSMS.,

Professor and Head,

Department of Biostatistics,

Christian Medical College,

Vellore, India.



August 30, 2017



ST. JOHN'S NATIONAL ACADEMY OF HEALTH SCIENCES

ST. JOHN'S RESEARCH INSTITUTE


Sarjapur Road
Bangalore – 560 034, India
Tel: +91-80-206 5059
Fax: +91-80-553 2037, 5508725

23/08/2017

CERTIFICATE

This is to certify that the project entitled “Application Of Principal Component Analysis In Annual Health Survey Data-Factors Affecting Infant Mortality” is a record of original work done by Ms Feba Anna Varghese, Department of Biostatistics, St Thomas College, Pala during the year 2015-2017 towards partial fulfilment of requirements for the award of the Degree of Master of Science in Biostatistics from Mahatma Gandhi University, Kottayam, Kerela. She has done the work in the Division of Epidemiology and Biostatistics, St John's Research Institute, Bangalore from 23/06/2017 to 23/08/2017, under my guidance. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associateship or Fellowship or other similar title to any candidate of this or any other university.

Thanking you


Sincerely

Dr. TINKU THOMAS
Professor & Head
Department of Biostatistics
St. John's Medical College
Bengaluru - 560 034



Dr. Tinku Thomas

Head of BioStatistics Dept

St. John's Medical College

REGIONAL CANCER CENTRE

P.O. BOX No. 2417
MEDICAL COLLEGE CAMPUS
THIRUVANANTHAPURAM-695 011
KERALA STATE



Fax : +91 471 2447454
Phone : +91 471 2442541
Website : www.rcctvm.org
E-mail: webmaster@rcctvm.org

CERTIFICATE

This is to certify that the project entitled “**ROLE OF ANTHROPOMETRIC, PHYSICAL ACTIVITY AND DIETARY FACTORS ON THE DEVELOPMENT OF BREAST CANCER: A CASE-CONTROL STUDY**” is a record of original work done by **JAYALAKSHMI M.R.** under my supervision in partial fulfilment of the requirements of the degree of master of science in Biostatistics of Mahatma Gandhi University, Kottayam. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associate ship or fellowship or other similar or other similar title to any candidate of this or any other University.

Aleyamma Mathew

Dr. Aleyamma Mathew, Phd (Epid.), PhD (Stat.)

Professor & Head

Division of Cancer Epidemiology & Biostatistics

Regional Cancer Centre, Thiruvananthapuram

Free
Head, Dept. of Biostatistics
St. Thomas College, Palai
Kottayam





DEPARTMENT OF BIostatISTICS

Biostatistics Resource and Training Centre
Christian Medical College, Vellore - 632 002, India.

Dr. L. JEYASEELAN, M Sc, Ph D, FRSS, FSMS

Professor & Head

Certificate

This is to certify that this dissertation entitled "**Review of Meta Regression in Meta Analysis**" of the candidate **Ms. Malavika B** for the degree of Master of Science in Biostatistics submitted to the faculty of science of Mahatma Gandhi University, Kottayam, is a record of her research work done under the guidance of **Dr. L. Jeyaseelan Ph.D., FRSS., FSMS.,** Professor and Head, Department of Biostatistics, Christian Medical College, Vellore.

Dr. L. Jeyaseelan, Ph.D., FRSS., FSMS.,
Professor and Head,
Department of Biostatistics,
Christian Medical College,
Vellore, India.

Head, Dept. of Biostatistics
St. Thomas College, Pala
Kottayam Dt., Kerala

August 30, 2017



PSG Institute of Medical Sciences & Research

Post Box No. 1674, Peelamedu, Coimbatore 641004, INDIA

Phone : 91422-2598822, 2570170 • Fax: 91422-2594400

E-mail : psgmedschool@gmail.com Website: www.psgimsr.in

CERTIFICATE

This is to certify that the project work entitled “**Consumption of Tea and its Relation to Risk of Type 2 Diabetes Mellitus**” is a record of original work done by **MELVIN JOY** under my supervision and guidance in partial fulfillment of the requirements for the degree of **Master of Science in Biostatistics** of Mahatma Gandhi University, Kottayam. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associate ship or Fellowship or other similar title to any other candidate of this or any other university.

Anil Mathew

Dr. Anil C Mathew

Professor of Biostatistics

Department of Community Medicine

PSG Institute of Medical Sciences & Research

Coimbatore, Tamil Nadu

Dr. Anil C. Mathew Ph.D.
Professor of Biostatistics
Department of Community Medicine
PSG Institute of Medical
Sciences and Research
Coimbatore - 641 004.

Forwarded by:

Dr. K. K. Jose

Head of the Department of Biostatistics

St. Thomas College, Pala, Kerala

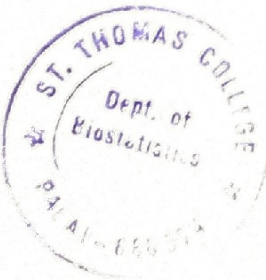


PSG Institute of Medical Sciences & Research

Post Box No. 1674, Peelamedu, Coimbatore 641 004, INDIA
Phone : 91 422 - 2598822, 2570170 • Fax: 91 422 - 2594400
E-mail : psgmedschool@gmail.com Website : www.psgimsr.in

CERTIFICATE

This is to certify that the project entitled "**Semiparametric and Parametric Methods in Identifying the Factors Associated with the Survival of Acute Liver Failure Patients**" is a record of original work done by Noel George, under my supervision in partial fulfillment of the requirements of the degree of Master of Science in Biostatistics of Mahatma Gandhi University, Kottayam. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associate ship or Fellowship or other similar title to any other candidate of this or any other university.



Anil Mathew

Dr. Anil C. Mathew
Professor of Biostatistics
Department of Community Medicine
PSG Institute of Medical Sciences and
Research
Coimbatore, Tamil Nadu, India

Forwarded by:

Dr. K.K. Jose

K.K. Jose

Head of the Department of Biostatistics,

St. Thomas College, Pala, Kerala

Dr. Anil C. Mathew Ph.D.,
Professor of Biostatistics
Department of Community Medicine
PSG Institute of Medical
Sciences and Research
Coimbatore - 641 004.

REGIONAL CANCER CENTRE
P.O. BOX No. 2417
MEDICAL COLLEGE CAMPUS
THIRUVANANTHAPURAM-695 011
KERALA STATE



Fax : +91 471 2447454
Phone : +91 471 2442541
Website : www.rcctvm.org
E-mail: webmaster@rcctvm.org

CERTIFICATE

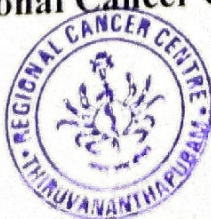
This is to certify that the project entitled "CURE RATE MODELING FOR CANCER SURVIVAL" is a record of original work done by **POOJA B. NAIR** under my supervision in partial fulfilment of the requirements of the degree of master of science in Biostatistics of Mahatma Gandhi University, Kottayam. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associate ship or fellowship or other similar or other similar title to any candidate of this or any other University.

Dr. Jagathnath Krishna K.M.

Assistant Professor in Biostatistics

Division of Cancer Epidemiology & Biostatistics

Regional Cancer Centre, Thiruvananthapuram





CERTIFICATE

This is to certify that the project entitled “**CLASSIFICATION AND REGRESSION TREE MODEL IN PREDICTING BREAST CANCER SURVIVAL**” is a record of original work done by **RESHMA V.R.** under my supervision in partial fulfilment of the requirements of the degree of Master of Science in Biostatistics of Mahatma Gandhi University, Kottayam. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associate ship or fellowship or other similar or other similar title to any candidate of this or any other University.

Dr. Preethi Sara George, Msc. (Stat.), M.Phill, Ph.D

Associate Professor in Biostatistics

Division of Cancer Epidemiology and Biostatistics

Regional Cancer Centre, Thiruvananthapuram





PSG Institute of Medical Sciences & Research

Post Box No. 1674, Peelamedu, Coimbatore 641 004, INDIA

Phone : 91 422-2598822, 2570170 • Fax: 91 422-2594400

E-mail : psgmedschool@gmail.com Website : www.psgimsr.in

CERTIFICATE

This is to certify that the project work entitled "**Chocolate Consumption and its Relation to Risk of Type 2 Diabetes Mellitus**" is a record of original work done by **SOMY KISHAN** under my supervision and guidance in partial fulfillment of the requirements for the degree of **Master of Science in Biostatistics** of Mahatma Gandhi University, Kottayam. I further certify that the project work has not previously formed the basis for the award of any other Degree or Diploma or Associate ship or Fellowship or other similar title to any other candidate of this or any other university.

Anil Mathew

Dr. Anil C Mathew

Professor of Biostatistics

Department of Community Medicine

PSG Institute of Medical Sciences & Research

Coimbatore, Tamil Nadu

Dr. Anil C. Mathew Ph.D.,
Professor of Biostatistics
Department of Community Medicine
PSG Institute of Medical
Sciences and Research
Coimbatore - 641 004.

Forwarded by:

Dr. K. K. Jose

Head of the Department of Biostatistics

St. Thomas College, Pala, Kerala