

# SEJIL MARIYA SEBASTIAN



## Email Address:

sejilsebastian3513@gmail.com

## Phone:

+971 565504367

## Address:

Room No 102,  
Building No 2343-Reemacks,  
Muwailah Commercial  
Sharjah, UAE

## Personal Profile:

Date of Birth : 09/04/1994

Passport : V6585183

Nationality : Indian

Marital Status : Married

## Languages Known:

English(Good)

Malayalam (Mother Tongue)

Hindi (Fair)

Tamil (Good)

## Personal Skills:

Leadership

Organized

Self-Motivated

## Objective

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An enthusiastic Statistical Programmer, seeking for challenging opportunities which will help to improve my statistical skills, knowledge and to make use my full potential for the growth of the organization and make my mark in the industry.

## Professional Experience

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**Working as Bio-Statistician in Regional Cancer Centre (RCC), Trivandrum, Kerala from 2020-2022.**

- Creating the Various Years of HBCR Report of regional Cancer Center TVM,
- Making of all statistical analysis of various Cancer related and other medical related PhD programmes, Thesis and research publications using SPSS and Python software.

### Analysis Areas:

- **Modeling of Survival data**
  - Kaplan Meir Methods
  - Log Rank Test
  - Cox Proportional Hazard Model
  - Frailty Modeling
- **Testing of hypothesis**
  - Linear Regression
  - t Test & z test
  - Paired t Test
  - ANOVA
  - Wilcoxon Signed Rank Test
  - Chi- Square Test for Association
- **Graphical representation**
  - Power BI
  - Sankey Diagram
  - Forest Plot
  - Histogram & other graphical methods
- **Geographical Information System**
  - Finding & Identifying the latitude and Longitude

## Research Publications

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- Krishna, K. M. J., Traison, T., Sebastian, S. M., George, P. S., & Mathew, A. (2021). [\*Gamma frailty model for survival risk estimation\*](#): an application to cancer data. *Epidemiologic Methods*, 10(1).

## References:

**Dr. Aleyamma Mathew**  
Head of The Department  
Cancer Epidemiology &  
Biostatistics  
Regional Cancer Center TVM  
Ph: 0471 2522249  
aleyammamathewrcc@gmail.com

**Dr. K.K Jose**  
Head of The Department  
Biostatistics  
St.Thomas college, Palai  
Mob: 9446560608  
kkjstc@gmail.com

**Seema Alex**  
HR - Genpro Research  
Technopark, Trivandrum  
Mob: 9037674901

## Professional Qualification

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- **Clinical SAS Internship & Training**  
Cytel Inc. Sep 2019-Dec 2019
- **MSc. Biostatistics**  
St. Thomas College Pala, M G UNIVERSITY 2017 – 2019
- **BSc. Mathematics**  
B K College Amalagiri, M G UNIVERSITY 2013 – 2016
- **Diploma in Computer Application**  
CENTRE FOR CONTINUING EDUCATION KERALA 2014 – 2015

## Training and Internship

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- Worked as Trainee & intern in Clinical SAS programming at Genpro Research, TVM.
- Attended Three months Clinical Programming Project Internship Program provided by Cytel, Inc.

## Project

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- Had experience on real life project on Clinical SAS Programming.
- Done a Major-Project on the topic Risk Estimation in Cancer Survival Using Frailty Model in R Software.
- Done a Mini-Project on the topic The Association between Hypothyroidism and Its Risk Factors.

## Area of Interest

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- Statistical Testing of Hypothesis
- Base SAS
- Clinical Trials
- Epidemiology
- R Programming
- SPSS

## Additional Skills

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- Database operation : Microsoft Office
- Statistical operation : SAS, SPSS, R, Python
- Graphic Visualization : Power BI
- Programming : C++
- Graphic Design : Adobe Photoshop

## Training & Certificate

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- Presented a poster and participated as a delegate in the 36<sup>th</sup> Annual Conference of Indian Society for Medical Statistics (ISMSCON-208) during 01-03 November, 2018.

- Attended the Workshop on Biostatistics and Epidemiological Methods in Medicine and Public Health organized by Department of Biostatistics ,St. Thomas College ,Pala during 20-21 October 2017
- Attended the three-day SAS training programme organized by the department of Statistics and Biostatistics St.Thomas College ,Pala in collaboration with Christian Medical College,Vellore during 15-17 November 2017.
- Attended the International Conference On Recent Advances In Statistical Methodology With Applications In Clinical And Official Statistics during 03-05 January 2018
- Attended a programme titled “Hands-on Workshop on Morbidity Measurements”, organized by Pushpagiri Medical College Hospital Campus on 17 th April 2018.
- Attended the workshop on ADVANCED EPIDEMOLOGY organized by the department of Biostatistics, St. Thomas College, Palai. In collaboration with PSG Institute of Medical Science and Research Coimbatore on 14 th September 2018

### **Additional Information**

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Consider myself a team player who can work easily with people from other nationalities and other trade disciplines which is essential in my line of work. Trust and co-operation are necessary to achieve success in this industry. Believe that to succeed you need to be dedicated to the role you have on an Organization. Consider my job to be as a service provider to other departments and disciplines who rely on my experience and results to achieve their goal on a scheduled performance.