

Smt. Reshmy S.

Assistant Professor (On Contract)

Department of Mathematics and Statistics

St Teresa's College (Autonomous) Ernakulam 682011, Kerala ,India.

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Qualifications:

- MSc. Statistics, Mahatma Gandhi University, India., 1999
- BSc. Mathematics, Mahatma Gandhi University, India., 1997
- CMA (Inter), The Institute of Cost Accountants of India, 1997

Area of Specialization:

- Statistics
- Operation Research & Econometrics

Certifications:

- ICAI Certification in Data Analytics for Finance Professionals, 2021
- Microsoft Office Certification, 1994

Membership in Professional/Educational bodies:

- Life member, Vijnana Bharathi

Skills in Statistics and Computing

- Extensive experience with Statistical Packages: SPSS.
- Familiar with Packages: SAS, R, MATLAB, MINITAB.
- Expert in text formatting and computing using MS-Word, MS-Excel (Advanced).
- Planning, Organizing, and Presentation Skills using MS-PowerPoint, MS-Visio.

Publications:

- **Co-Author** with Al-Shamali, Mustafa & Ali, Fatima for the Conference Paper titled “FT-NIR spectroscopy in soil analysis -Fast method to detect the TPHs in contaminant soil” at Kuwait Conference of Chemistry KCC, 2014.

Research Contributions:

- **Mention for Statistical Data Analysis:** Published paper titled “*High frequency multiple shoot induction from nodal segments and assessment of genetic homogeneity of micropropagated Atriplex halimus L.*” by Kumar, Vinod & Almomin, Sabah & Anisha, Shajan & Al-Aqeel, Hamed & Fadila, Al-Salameen & Sindhu, Nair.; Research journal of biotechnology. 14. 7-15. (2019).
- **Mention for Statistical Data Analysis:** Published paper titled “Food and feeding habits of the black pomfret, *Parastromateus niger* (Carangidae) in the Kuwaiti waters of the Arabian Gulf” by Stephen Dadzie, Kuwait University, 2010
- **Consultation:** Data analysis, report and presentation for students under research programs

as part of their advanced studies in different fields.

- **Research Associate** for KNPC project on Soil Analysis for Monitoring Soil Bioremediation, Kuwait
- **Research Assistant** for EPA project on Air Pollution in Kuwait

Conference Attended

- India International Science Festival (IISF), Vijnana Bharathi. 2020.
- National Children's Science Congress, State Organizing Coordinator, 2018
- Seminar & Annual Conference, The Kerala Statistical Association, 1999.

On Job Training Received

- **Principles of Applied Biostatistics** for Biologists & Clinicians **Using R**, In-house Training, Kuwait Institute for Scientific Research, **2015**.
- Fire Fighting Training Course, In-house Training, Kuwait Institute for Scientific Research, **2015**.
- Impact of Microbial Activities on the Oil Industry, In-house Training, Kuwait Institute for Scientific Research, **2012**.
- MS- Project, In-house Training, Kuwait Institute for Scientific Research, **2012**.
- Use and Development of probiotics for controlling Bacterial Pathogens and Diseases in Poultry, In-house Training, Kuwait Institute for Scientific Research, **2011**.
- MS-Excel Advanced, In-house Training, Kuwait Institute for Scientific Research, 2010

Previous Employment

- **Research Associate, KISR (Apr 2012 – Aug 2021)**
 - Data analysis at various research and client projects which includes, comparisons and trends.
 - Part of focal point under Environment and Life Science Center, KISR. Responsibilities include safety audit data management, requirement compliance and usage analysis, recommend on the improvement on future performance.
 - Team Member for the Operational Research Activity for the development and upgrade of fermentation pilot plant
 - Worked with project on soil characteristics upon bioremediation and genetic engineering of Alfalfa for bioremediation of soil contaminated with heavy metals and residual crude oil. Responsibilities included data recording, statistical analysis and reporting.
 - On job trainer for new recruitments and client training (based on contract requirements)
- **Research Assistant, KISR (Apr 2010 – Apr 2012)**
 - Joined KISR as part of soil-bioremediation project team and developed far-reaching expertise in *sample preparation, solvent extraction, and usage of FTIR Spectrometer*.

During the tenure got trained in MS-Project, other equipment and its operations. Responsibilities include maintaining data records (including coding, presentation, and analysis), provide analysis results, client support, technical and admin support.

- **Consultant Statistician (Feb 2008 - Dec 2009)**

- Worked as part time Statistician for various projects under Language Center, Civil Engineering, Biological, Health and Environmental projects. Duties included data collection, recoding and complete statistical analysis with prediction models, and preparing periodical report for the project with recommendations.

- **Market Researcher, Taiba Clinic, Kuwait (Jan 2007 to May 2007)**

- Worked as Team Leader for market analysis cluster. Duties included statistical analysis of the market policies implemented, provide recommendations for improvements, and prepare periodical reports with prediction models.

- **Research Asst., Dept. of Statistics &OR, Kuwait University (Feb2004 to Dec2006)**

- Worked as Research Assistant for KU – EPA project on Air Pollution in Kuwait. Duties included data collection, data refining, data management, statistical analysis, extracting descriptive results, preparing periodical reports, provide recommendations with prediction models, provide training for the EPA officials on statistical package.

- **Guest Lecturer, Math/Statistics Dept., St. Teresa's College. (Aug2001 to Dec2001)**

- Lecturer in Statistics and Mathematics for the Graduation and Post Graduation classes, Guide for the in house projects, impart training in Statistical Packages.

Extension of Social Activities:

- Known in the community as **columnist, passionate writer, and dancer**
- Frequent contributor (articles & interviews) for the online news portal **www.indiansinkuwait.com**
- Core Team Member of **Indian Women In Kuwait (IWIK)** under the umbrella of **www.indiansinkuwait.com**
- Core Team Member of **Science International Forum Kuwait.**
- Organizer, **Kuwait Children's Science Congress, 2012 - 2021**
- Member of **Writers Forum Kuwait.**
- Active participation in socially committed community association and works in favor of Indian Expatriate diaspora.