CURRICULUM VITAE

PERSONAL DETAILS			
NAME	:	DR MARYAM AHMED SALEM ALRAMAH	
NATIONALITY	:	LIBYAN	
GENDER	:	FEMALE	
ADDRESS (OFFICE)	:	DEPARTMENT OF STATISTICS, FACULTY OF SCIENCEOF SECIENC, UNIVERSITY OF TRIPOLI, TRIPOLI	
Phone- NO.		091-6263699 092-6983357	
E-MAIL ADDRESS	:	m.alhdiri@uot.edu.ly 0R m.alhdiri@yahoo.com	
		AT TRIPOLI UNIVERSITY (UOT), DEPARTMENT FACULTY OF SCIENCE OF STATISTICS SINCE 2005	

Qualifications and professional information:	
1.	**Doctor of Philosophy (Ph.D.)** in Statistics (Applied Statistics) 2014-2018 (Universiti Pendidikan Sultan Idris (UPSI)). Dissertation Title: DEVELOPMENT OF MULTIVARIATE PREVALENT CANCER MAPPING MODEL IN LIBYA
2.	**Master of Science** IN Statistics 2002 – 2005, University of Tripoli – Libya. Dissertation Title: ESTIMATION OF MEANS AND TREATMENT EFFECTS IN A ONE-WAY ANOVA MODEL
3.	**Bachelor of Science** IN statistics 1998-2001, University of Tripoli – Libya.
4.	**Current place of work** University of Tripoli - Faculty of Science – Statistics Tripoli- Libya.
5.	**Current Position** Assistant Professor and Faculty Member since 2005 until the present time at University of Tripoli, Tripoli, Libya. I have extensive academic and teaching experience in higher education, along with active participation in scientific research and academic activities. I am passionate about learning, teaching, and knowledge sharing, and I always strive to support students and contribute to the development of academic and research environments.

6. **Teaching Experience**

- Teaching undergraduate and postgraduate courses in Applied Statistics and related subjects.
- Supervising students' research projects and graduation theses.
- Preparing academic lectures, course materials, and examinations.
- Participating in academic advising and student support activities.
- Contributing to curriculum development and academic quality improvement.
- Engaging in scientific research and academic collaboration within the university environment.

7. **Scientific & Professional Skills**

- Statistical Data Analysis
- Statistical Modeling
- Bayesian Analysis
- Operations Research Techniques
- Optimization Methods
- Research and Academic Writing
- Quantitative Data Interpretation
- Problem Solving and Decision-Making
- Microsoft Office Applications

- Statistical Software: SPSS, R, MATLAB, Python, WinBUGS
- Operations Research Software: POM-QM for Windows

- Microsoft Office: Word, Excel, PowerPoint
- Communication and Teaching Skills
- Teamwork and Research Collaboration

8. **Publications**

- Published several research papers in the fields of Applied Statistics, Biostatistics, and Operations Research.
- Participated in academic research related to statistical modeling, data analysis, and quantitative methods.
- Interested in developing applied statistical studies that support scientific and practical problem-solving

9. **Conferences and Workshops**

- Participated in scientific conferences and academic workshops related to Statistics and Operations Research.
- Attended training courses and seminars in data analysis, statistical software, and research methodologies.
- Contributed to academic discussions and scientific activities aimed at

	enhancing research and teaching skills.
10.	**Languages** • Arabic: Native Language • English: Good command of academic reading, writing, and communication in English
11.	**References** Available upon request.

Research Profile:	
	Professional Profile I am an Assistant Professor and Faculty Member at University of Tripoli, Tripoli, Libya, where I have been serving since 2005. I hold a PhD in Applied Statistics, with research interests in Bayesian disease mapping, stochastic models for infectious diseases, cancer disease analysis, Biostatistics, and Operations Research. I have extensive academic and research experience in teaching, statistical modeling, data analysis, and quantitative methods. I am passionate about learning, teaching, and conducting scientific research, and I continuously strive to contribute to the advancement of academic knowledge and practical applications in Libya. I also enjoy sharing knowledge and collaborating with students and researchers, and I strongly believe that scientific research plays a vital role in supporting innovation, problem-solving, and evidence-based decision-making. I always feel happy to share the knowledge and experience I have with others

RESEARCH AND PUBLICATION	
1.	Maryam Ahmed Salem Alhdiri, Nor Azah Samat and Zulkifley Mohamed. (**2017**). Disease Mapping for Stomach Cancer in Libya Based on Besag– York– Mollié (BYM) Model. *The Asian Pacific Journal of Cancer Prevention (APJCP)*. 18(6): 1479-1484.
2.	Maryam Ahmed Salem Alhdiri, Nor Azah Samat and Zulkifley Mohamed. (**2017**). Relative Risk Estimation of Lung Cancer in Libya: An Analysis Based on Standardized Morbidity Ratio, Poisson-gamma Model, BYM Model and Mixture Model. *The Asian Pacific Journal of Cancer Prevention (APJCP).* 18(3): 673-679.
4.	Maryam Ahmed Salem Alhdiri, Nor Azah Samat and Zulkifley Mohamed. (**2016**). Prostate Cancer Disease Mapping with Standardized

	Morbidity Ratio: A geographical Analysis in Libya, 2010-2011. *Geografia Malaysian Journal of Society and Space (GMJOSS).* 12(9): 118–125.
5.	Maryam Ahmed Salem Alhdiri, Nor Azah Samat and Zulkifley Mohamed. (**2017**). Bladder Cancer Mapping in Libya based on Standardized Morbidity Ratio and Log-normal Model. AIP Conference Proceedings, the 4th International Postgraduate Conference on Science and Mathematics (IPCSM2016), *Universiti Pendidikan Sultan Idris (UPSI), Perak, Malaysia,* on 15 April 2016. AIP Conference Proceedings 1847, 020001 (2017); doi: 10.1063/1.4983856
6.	Maryam Ahmed Salem Alhdiri, Nor Azah Samat and Zulkifley Mohamed. (**2016**). Standardized Morbidity Ratio for Breast Cancer Mapping in Libya: A Geographic Analysis, 2006-2011. Abstract in Proceeding of the 3rd ISM International Statistics Conference, Institute of Mathematical Sciences, *University of Malaya, Kuala Lumpur, Malaysia*, 9-11 August 2016.
7.	Maryam Ahmed Salem Alhdiri, Nor Azah Samat and Zulkifley Mohamed. (**2014**). Relative Risk Estimation of Lung Cancer in Libya: An Analysis Based on Standardized Morbidity Ratio, Poisson-gamma Model, BYM Model and Mixture Model. Abstract in Proceeding of the 2nd International Postgraduate Conference on Science and Mathematics (IPCSM2014), *Universiti Pendidikan Sultan Idris* (UPSI), 18th -19th October 2014, page 30.
8.	Alramah, M. A., Samat, N. A., & Mohamed, Z. U. L. K. I. F. L. E. Y. (**2019**). Mapping lung cancer disease in Libya using standardized morbidity ratio, BYM model and mixture model, 2006 to 2011: Bayesian epidemiological study. *Sains Malays*, *48*(1), 217-25.
9.	Alramah, M. A. S. (**2022**). The Spatial patterns of liver cancer in Libya: Standardized Morbidity Ratio and Poisson-Gamma Model, Based Analysis of Cancer Registry Data, 2020. *Azzaytunna University* , (42), 283-296.
10.	Alramah, M. A. S (**2022**). Standardized Breast Cancer Morbidity Ratio Mapping in Libya: A Geographic Statistical Analysis, 2015-2020. *Al Jabal Sci J*, *5*, 16-26.
11.	Alramah, M. A .S (**2021**). Geographical Spread of Colon and Esophagus Cancers Incidence, in Libya using a Multivariate Spatial Model. *Azzaytunna University* , (41), 621-638.
12.	Alramah, M. A. S. (**2025**). Enhancing Cost Efficiency in Transportation Problems: Refining Existing Methods. *Silphium Journal of Science and Technology*, *2*(07).
13.	Alramah, M. A. S. (**2025**). Utilizing the Excel spreadsheet program

	for Formulating and solving linear programming models. *Azzaytuna University* , (53), 451-462. https://doi.org/10.35778/jazu.i53.a398.
14.	Alramah, M.A. S. (**2026**). The Quantitative Methods and Their Role in Making Administrative Decisions, The Effectiveness of Using Linear Programming in A Business Enterprise," With Reference to The Case of Libya. *Albayan Scientific Journal* , *8*(21), 228-215. https://doi.org/10.37375/bsj.v8i21.4059
15.	Maryam Ahmed Salem Alramah. (**2026**). Bayesian Joint Disease Mapping with Application to Multiple Cancers Disease in Libya: A Geographical and Spatial Analysis, 2022-2025. (**Manuscript**).
16.	Maryam Ahmed Salem Alramah. (**2026**). Prediction of the Relative Risk Based on Multivariate Shared Components Model. (**Manuscript**).
17.	Maryam Ahmed Salem Alramah. (**2026**). A Bayesian Mixture Models and its Application to Uterus Cancer in Tripoli, Libya; A Spatial Distributions, 2008- 2009. (**Manuscript**).
18.	Maryam Ahmed Salem Alramah. (**2026**). The Spatial patterns of liver cancer in Libya: Standardized Morbidity Ratio and Poisson Gamma-Based Analysis of Cancer Registry Data, 2026. (**Manuscript).**
19.	Maryam Ahmed Salem Alhdiri. (**2026**). Geographical spread of two-tract cancers incidence using multivariate spatial model: Spatial analysis of cancer registry data in Libya 2021 to 2026. (**Manuscript**).