

# **Dr. SANA SAEED**

**Assistant Professor**

**College of Statistical & Actuarial Sciences**

**University of the Punjab**

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## **Objective:**

To work and grow in a competitive and friendly environment where I may be able to show and strengthen the worth of my knowledge.

## **Research Interests:**

Optimization, Metaheuristic Algorithms, Machine Learning, Data Mining

**Teaching field:** Statistical Methods, Multivariate Analysis, Time Series, Stochastic processes, Parametric & nonparametric tests

## **Professional Experience:**

1. Assistant Professor at College of Statistical and Actuarial Sciences since August, 2019
2. Lecturer at College of Statistical and Actuarial Sciences from 2010 to 2019
3. Research Scholar in College of Statistical and Actuarial Sciences
4. University of the Punjab Lahore from (2008-2010)
5. Research Assistant in College of Statistical and Actuarial Sciences
6. University of the Punjab Lahore from (2006-2008)
7. Teaching in the Under graduate studies Center of University of the Punjab
8. One year Teaching Experience in Govt. Jinnah Degree College Lahore at B.Sc level (2005-2006)

## **Training, Achievements and Certification:**

- 1 Successfully completed LKM100 Bahasa Malaysia course at University Sains Malaysia
- 2 First position in M. Phil (2006) in University of the Punjab
- 2 First Position in B.Sc. (2001) in Jinnah Degree College Lahore
- 3 3<sup>rd</sup> Position in F.A (1999) in Jinnah Degree College Lahore
- 4 Training Certificate of WG and NCC
- 5 Got 2-year Merit Scholarship in Masters (2001-2003)
- 6 Certificate of Participation in 1<sup>st</sup> International Conference of Statistics and Operations Research held in University of the Punjab
- 7 Certificate of participation in 2<sup>nd</sup> International Conference on Statistical Data Produced and Applications of Statistics held in University of the Punjab

## Educational Qualifications:

Year	Degree	Subject	University
2019	<b>P.hD</b>	Statistics	University Sains Malaysia (USM)
2008	<b>M.Phil</b>	Statistics	University of the Punjab Lahore
2003	<b>M.Sc</b>	Statistics	University of the Punjab Lahore
2001	<b>B.Sc.</b>	Stat, Math, Eco	University of the Punjab
1999	<b>F.A</b>	Stat, Math, Eco	BISE Lahore
1997	<b>Matric</b>	Science	BISE Lahore

## Research Publications:

Saeed, S, Ong, H.C. & Sathasivam, S. (2019). Self-adaptive single objective hybrid algorithm for unconstrained and constrained test functions: an application of optimization algorithm. Arab J Sci Eng, 44(4), 3497-3513.

Saeed, S., Ong, H.C. (2019). Performance of SVM with multiple kernel learning for classification tasks of imbalanced datasets. Pertanika J. Sci. & Technol, 27(1), 527-545.

Saeed, S., Ong, H.C. (2018). A bi-objective hybrid algorithm for the classification of imbalanced noisy and borderline data sets. Pattern Anal Applic. <https://doi.org/10.1007/s10044-018-0693-4>.

Spatial Distribution of arsenic concentration in drinking water using kriging techniques. Scii.Int. (Lahore), 27(2), 949-954, 2015.

## Languages:

Urdu, English, and Bahasa Malaysia

## Computer Skills:

Matlab, R Language, SPSS, Minitab (Statistical Packages), Statistica, Latex, Ms. Office (Ms Word, Ms Excel, Power Point), C & FORTRAN 77 (Language)

## Personal Profile:

<b>Date of birth</b>	<b>16-03-1982</b>
Marital status	Married
<b>Nationality</b>	<b>Pakistani</b>
N.I.C No.	35202-2255610-8

# **SEMINARS / WORKSHOPS / CONFERENCES**

## **Conducted at International Level:**

Attending workshop on “Preparing slides, Articles & Thesis using Latex” at School of Mathematical Sciences, USM on 16-17 August 2018.

## **Conducted at Departmental Level:**

1. Lecture of Dr Altaf Ahmed, project chief U.S Army cost and economic analysis centre on “Applications of statistics” on January 2012.
2. Seminar on “ Bumping Trees” by Dr Kevin Keen, an Associate professor department of Mathematics and Statistics , the University of Northern British Columbia, Canada on 20<sup>th</sup> March 2012.

## **Conducted at University Level:**

1. Participating “The First International Conference on Statistics and Operations Research 2006” at the Institute of Statistics, University of the Punjab, Lahore in April 2006.
2. Organized and conducted “International Conference on Statistical Data Produced and Applications of Statistics” at the College of Statistical and Actuarial Sciences, University of the Punjab, Lahore in September 3-5, 2007 as a Member, Organizing Committee.
3. Organized and conducted 3<sup>rd</sup> International Conference on “Statistical Sciences” at the College of Statistical and Actuarial Sciences, University of the Punjab, Lahore in November 25-27, 2010 as a Member, Organizing Committee.
4. Attending workshop on “HEC plagiarism policy and Turnitin software” at University of the Punjab on 23 April 2012

## References:

### **Assoc. Prof. Dr Hong Choon Ong**

Associate Professor

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School of Mathematical Sciences,  
University Sains Malaysia (USM),  
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Associate Professor

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University Sains Malaysia (USM),  
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### **Dr Rehan Ahmed Khan**

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