

CURRICULUM VITAE

Personal data

DR.K. Rebecca Jebaseeli Edna
Associate Professor
Department of Mathematics
Karunya Institute of Technology and Sciences
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Education

Ph.D. (Mathematics)-Statistical Quality Control

KITS, Coimbatore, India. 2012

M.Phil. (Mathematics)-Functional Analysis

Madurai Kamaraj University, India. 1996

M.Sc. (Mathematics)

Adrianar College of Arts &Science, Tiruchendur, India. 1991

B.Sc. (Mathematics)

Nazareth Margoschis College at Pillayanmanai, Nazareth, India. 1989

Research focuses/Title of dissertation

Focuses: Mixed Sampling Plans, Multi-dimensional Sampling Plans, Fuzzy Acceptance Sampling Plans

Title of thesis: A Study and Contributions to Quality Control Measures based on Acceptance Sampling. Plans

M.Sc Project guided: 3

Teaching

Since Dec 2020 Associate Professor, Department of Mathematics, Karunya University, Coimbatore-114

Jan 2009 –Nov 2020 Assistant Professor, Department of Mathematics, Karunya University, Coimbatore-114

Mar 2004 Dec 2008 Senior Lecturer, Department of Mathematics, Karunya University, Coimbatore-114

Sept 1998-Feb 2004 Lecturer, Department of Mathematics, Karunya University, Coimbatore-114

Total Publications: 32 (Scopus-15)

Journal Publications (Selected)

1. Chain Sampling plan for variable fraction non-conformities, International Journal of Pure and Applied Mathematics, Academic Publications, 87, 827-833, Feb 2014,
- 2 Designing and Selection of Mixed Sampling Plans with Two Sided Complete Chain Sampling as Attribute Plan, International Journal of Applied Engineering Research, Research India Publications, 9, 7143-7148, Sep 2014
3. Selection of Modified Chain Sampling Plan through minimum angle criteria, International Journal of Mechanical Engineering and Technology (IJMET), IAEME Publication, 9, 11021105, Jan 2018,
4. Designing and Selection of Mixed Modified Chain Sampling Plan with Variance Criterion, International Journal of Mechanical and Production Engineering Research and Development, TJPRC 9, 855-860, May 2019,
5. Fuzzy Modified Sampling plan for very expensive products, Advances in Mathematics: Scientific Journal, Union of Researchers of Macedonia, 9, 1597-1960, May 2020,

Books published

1. A Study on Blended Chain Sampling Plans. **Lambert** Academic Publishers, Germany, ISBN 978-620-4-20054-5
2. Mchsp-1 with variable fraction defective and Minimum Tangent Angle **Lambert** Academic Publishers, Germany, ISBN 978-620-4-20053-8

Certificate Courses Completed:

1. Six sigma – Understanding control charts
2. Probability for Statistics and Data Science
3. Introduction to Python Programming
4. Data Science Math Skills –Coursera
5. Advanced Linear Models for Data Science: Least Squares –Coursera

Paper presentation: International-3, National-5

Guest lecture delivered: 1

Membership: IMS,IAENG,ISTE