

Name : Dr.S.Kannaki
Designation : Assistant Professor
Department : Mathematics
Qualification : M.Sc., M.Phil., Ph.D.
Experience : Teaching : 7.10 years Research: 2.5 years
Area of Specialization(s) : Stochastic Frontier Analysis
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Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Mathematics	Avinashilingam Institute For Home Science and Higher Education for Women	2019
M.Phil.	Mathematics	Avinashilingam Institute For Home Science and Higher Education for Women	2007
M.Sc.	Mathematics	Sri Meenakshi Govt. College for Women, Madurai	2005
B.Sc.	Mathematics	E.M.G.Yadava Women's College, Madurai.	2003

Research Publications(Indexed)

International

- S. Kannaki, Mary Louis, A **Comparative study on measuring technical efficiency on paddy production using Stochastic Production Frontier Analysis (SPFA)**, International Journal of Pure and Applied Mathematics (IJPAM), Vol.119, Issue:2, pp.16037-16043, February 2018,ISSN: 1311-8080, (Indexed in SCOPUS).
- S. Kannaki and Mary Louis, **Normal-Uniform Distributed Stochastic Production Frontier Model**, International Journal of Mathematics Trends and Technology (IJMTT), Vol.38 (2), pp.114-118,2016,ISSN:2231-5373
- S.Kannaki and MaryLouis,**Normal-Doubly Truncated Normal Stochastic Production Frontier Model**, Imperial Journal of Interdisciplinary Research, ISSN: 2454-1362 Vol.3, Issue-4,pp: 751-757, 2017, ISSN:2454-1362
- S. Kannaki and Mary Louis, **An Application to Paddy Farmers in Southern Region of Tamil Nadu using Normal-Half Normal Cobb Douglas Stochastic Production Frontier Model**, Journal of Global Research in Mathematical Achieves(JGRMA),Volume 4, No.11, pp: 136-143,November 2017,ISSN:2320-5822.

- S.Kannaki and Mary Louis, **Normal Rayleigh Stochastic Production Frontier Model**, International Journal of Mathematic sand its Applications(IJMAA),Vol.5,Issue:4-E,pp.741-746,2017,ISSN:2347-1557.
- S.Kannaki, Mary Louis, **A Non-parametric Approach to estimate the technical efficiency of paddy farmers in southern region of Tamil Nadu, India**, International Journal of Scientific Research in Mathematical and Statistical Sciences(IJSRMSS), Vol.5,issue:1,pp:25-28,2017,ISSN:2348-4519 .
- S.Kannaki, Mary Louis, **Technical efficiency estimates of stochastic production frontier model using Rayleigh distribution**, AIP Conference Proceedings,Vol.2261,special Issue, October 2020,ISSN-1551-7616,https://doi.org/10.1063/5.0017771,(Indexed in SCOPUS).
- R. Jeevithaa , M.Sangeetha , S.Kannaki and D.Vidhya, **An Application of Nano Topological Spaces with Decision Making Problem in Medical Field**, Turkish Journal of Computer and Mathematics Education ,Vol.12, No.9,pp.975-978,April 2021,ISSN-13094653,(Indexed in SCOPUS).

Presentations in Conference

- **Normal - Doubly Truncated Normal Distributed Stochastic Production Frontier Model**, Presented at : National Conference on Recent Advances in Mathematics and its Applications in Science and Engineering, Dr.N.G.P. Institute of Technology,Coimbatore,2017.
- **Technical Efficiency and its Determinants in Paddy Production in Thiruvavur District, the southernmost tip of Tamil Nadu, using Cobb–Douglas Stochastic Production Frontier Analysis (CDSPFA)**, Presented at: National Conference on Mathematical Modelling, Avinashilingam Faculty of Engineering, Coimbatore,2017.
- **A Comparative study on measuring technical efficiency on paddy production using Stochastic Production Frontier Analysis (SPFA)**. Presented at :International Conference on Recent trends in Mathematics and Information Technology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore,2-mar-17 to3-mar-17
- **Estimation of Technical Efficiency using Normal-Rayleigh Stochastic Production Frontier Model**. Presented at: National Conference on Emerging Trends in Mathematics with Computer Applications, Dr.N.G.P. Arts and Science College, Coimbatore,12-Sep-19to13-Sep-19.
- **Technical Efficiency Estimates of Stochastic Production Frontier Model Using Rayleigh Distribution**, Presented at: International Conference on Advances in Applicable Mathematics, Bharathiar University, Coimbatore, 21-Feb-20 to 22-Feb-20

Conference/Seminar/Workshop Organized

National

- Emerging Trends in Mathematics with Computer Applications, Dr.N.G.P.Arts and Science College,Coimbatore,12-Sep-19 to13-Sep-201.
- National Conference on Recent Trends in Basic and Applied Sciences,Dr.N.G.P.Arts and Science College, Coimbatore, 2-Mar-2020 to 3-Mar-2020.

Participation in Workshop

- Research workshop on Data analytics using R-Programming, PSG College of technology, Coimbatore, 10-Sep-16 to 11-Sep-16

Participation in Faculty Development Programme

- NAAC revised Accreditation Framework and OBE Assessment Methodology, Dr.N.G.P. Arts and Science College,Coimbatore,27-May-2019 to 02-June 2019.
- Recent Advances in Mathematics, Dr.N.G.P.ArtsandScienceCollege, Coimbatore,3-June 2019-4-June 2019.
- Matlab and its Applications, Dr.N.G.P.Institute of Technology, Coimbatore, June 7-June to 12-June 2021.
- Research Methodology and Pedagogy for Tertiary Education, Dr.N.G.P.Arts and Science College, Coimbatore, 15-June to 21-June 2021.
- Teaching Learning Process through Revised Blooms Taxonomy, Dr.N.G.P.Institute of Technology, Coimbatore, 1-July to 2-July2021.

Invited Speaker/ Session Chair-Conference/Seminar /Workshop

- Invited lecture, Workshop on Measuring Technical Efficiency using Frontier 4.1, Kumaraguru College of LiberalArtsandScience,30-Sep 2019.
- Invited lecture, Workshop on Optimal solution using Excel solver, Kumaraguru College of Liberal Arts and science, 01, April, 2022

Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
Excellent Young Researcher in Mathematics	International Journal for Research under Literal Access (IJRULA)	2018