

Name : Dr.S.Kannaki
Designation : Assistant Professor
Department : Mathematics
Qualification : M.Sc., M.Phil., Ph.D.
Experience : Teaching : 8 years 10 Months | Research: 5.5 years
Area of Specialization(s) : Stochastic Frontier Analysis
Email (Official ID) : kannaki@drngpasc.ac.in



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 to 13-Sep-2019.
- 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.
- Fourteen day lecture workshop on “Current trends in Applications of Mathematics” Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, 21-Sep-2022 to 04-Oct-2022.
- NATIONAL EDUCATION POLICY (NEP-2020) OPPORTUNITIES AND CHALLENGES IN TEACHER EDUCATION, National conference, Dr.NGP of Education, Coimbatore, 02-Feb-2023
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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.Arts and Science College, 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 2021 to 2-July 2021.
- Current Trends in Applications of Mathematics, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, 21-Sep-2022 to 04-Oct-2022.

Invited Speaker/ Session Chair-Conference/Seminar /Workshop

- Invited lecture, Workshop on Measuring Technical Efficiency using Frontier 4.1, Kumaraguru College of Liberal Arts and Science, 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 |