

Faculty Profile



Dr. R. Swarnalatha, M. Sc., Ph.D

HIGHLIGHTS:

- Number of Journal Publications: 4
- H-Index:
- Project Funding Received: -
- Patents Published: -
- Patents Granted: -

PROFESSIONAL LINKS:

- Scopus ID: 57193522336
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57193522336>
- Google Scholar ID: <https://scholar.google.com/citations?user=jsUjGI4AAAAJ&hl=en>
- Anna University Faculty ID: 320409
- AICTE Faculty ID: 1-45330166252
- Orchid ID: <https://orcid.org/0000-0002-5683-4683>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 10 month 20 days
- Cleared GATE 2013 Examinations

AREA OF SPECIALIZATION:

- Stochastic Programming
- Binomial Moment Problems
- OR

PAPERS PUBLISHED:

JOURNALS

- Kumaran, V. and R. Swarnalatha (2017) Bounds for the probability of union of events following monotonic distribution, Discrete Applied Mathematics, 223, 98-119. <https://dx.doi.org/10.1016/j.dam.2017.01.035>
- Swarnalatha, R. and V. Kumaran (2017) Bounds for the probability of the union of events with unimodality, Annals of Operations Research, <https://doi.org/10.1007/s10479-017-2629-6>
- Swarnalatha, R. and V. Kumaran (2018) Sharp probability bounds for the binomial moment problem with symmetry, Operations Research Letters, 46, 37-43. <https://doi.org/10.1016/j.orl.2017.10.004>
- Kumaran, V. and R. Swarnalatha (2020) Sharp bounds for the probability of union of n events when m number of binomial moments are known, Optimization and Engineering, 21(1), 241-271. <https://doi.org/10.1007/s11081-019-09442-5>

BOOKS CHAPTERS

- Swarnalatha, R. and V. Kumaran (2019) Empirical Analysis of Probabilistic Bounds. In D. Kusum, M. Jain and S. Salhi (Eds.). Logistics, Supply Chain and Financial Predictive Analysis: Theory and Practices(pp.125-139). Springer books. <https://doi.org/10.1007/978-981-13-0872-7>

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Presented a paper titled “ Empirical Analysis of Probabilistic Bounds” in International conference on RTORS 2017 , IIT Roorkee.
- Participated in International conference on Innovations in Science and Humanities, 2025, Saveetha Engineering College, Chennai,

PROFESSIONAL MEMBERSHIPS:

- Nil