

Faculty Profile



Dr. KANCHAN DEVI KESHAV, M.Sc., MPhil., Ph.D

Assistant professor
Department of Mathematics

HIGHLIGHTS:

- Number of Journal Publications:04
- H-Index:01
- Project Funding Received:Nil
- Patents Published:Nil
- Patents Granted:Nil

PROFESSIONAL LINKS:

- Scopus ID: 57195546219
- Scopus Link:<https://www.scopus.com/authid/detail.uri?authorId=57195546219>
- Google Scholar ID: hYUd-mIAAAAJ&hl
- Anna University Faculty ID: 309270
- AICTE Faculty ID:1-44726524194
- Anna University Supervisor ID: Nil
- LinkedIn: www.linkedin.com/in/dr-kanchan-devi-keshav-42594815a

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 05 years
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

Has been visited to **LIVERPOOL HOPE UNIVERSITY, UNITED KINGDOM** as a Visiting Research Scholar from MADRAS CHRISTIAN COLLEGE, TAMBARAM, CHENNAI, INDIA for a short-term research project (25th March- 31st May), “Graph Grammar Techniques for Programmable Self-Assembly” under the CAMSS Project – 2011

PUBLICATIONS:

- Kanchan Devi, K., Arumugam, S., Probabilistic conjunctive grammar, (2017)
Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial

Intelligence and Lecture Notes in Bioinformatics), 10398 LNCS, pp. 119-127. (Scopus)

- Kanchan Devi, K., Arumugam, S., Password Cracking Algorithm using Probabilistic Conjunctive Grammar, (2019) IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing, INCOS 2019, art. no. 8951390. (Scopus)
- Kanchan Devi, K., Arumugam, S., Triangular Tile Latching System, (2023) Communications in Combinatorics and Optimization, 10.22049/CCO.2022.27994.1415. (Scopus)
- Kanchan Devi, K., Arumugam, S., Assignment of Probabilities to the Production Rules of a Conjunctive Grammar, (2023) Soft Computing, (Accept) (SCI with IF: 3.732)

AREA OF SPECIALIZATION:

- Formal Language Theory
- Graph Grammar
- Theoretical Computer Science
- Self Organization /Self Assembly
- Graph Theory

COURSES CERTIFIED:

- Certified Career Counselor by iDreamCareer (India's Largest Unbiased career counselling venture) by completing the Level 1(Nurture) and Level 2 (Enthusiast).
- International Certified Career Coach by Mindler and CDA (Career Development Alliance USA) .
- PG Diploma in Counselling and Psychotherapy from CCS Academy, Chennai.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Participated in webinar on "Use of AI Tools in Social Science Research and Publications" organized by the Department of Social Work , Centre for Distance and Online Education, Jain (Deemed-to-be-University), Bangalore held on 19th December 2024.
- Participated in the "Workshop on Use of ChatGPT for Educators" organized by IUCEE held on 21st December 2024.
- Participated in a Two day National Level Workshop on " SCILAB and Scientific Computing at Rajalakshmi Institute of Technology, Chennai - Jul 2023.

- Participated and presented a research paper entitled “Estimation of Consistent Probabilistic Conjunctive Grammar” in International Conference on Applied Mathematics (ICAM) – 2019 at Ramanujan College, Delhi, India.
- Participated and Presented a research paper in the “IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS)”- 2019 at Kalasalingam academy of Research and Education, Krishnan Koil, Tamilnadu, India.
- Participated and Presented a research paper in the “International Conference on Theoretical Computer Science and Discrete Mathematics ” – 2018 at SSN college of Engineering, Kalavakkam, Tamilnadu, India.
- Participated and Presented a research paper in the “International Conference on Theoretical Computer Science and Discrete Mathematics ”- 2016 at Kalasalingam academy of Research and Education, Krishnan Koil, Tamilnadu, India.

OTHER DETAILS (If any):

- Pursuing M.Sc. in Psychology through Work-Link Program from Jain University, Bangalore, India.