Name   : R. Vasundhara Devi

Designation   **:** Assistant Professor

Contact Details   **:** No – 28, 8th Cross, Dr. Radhakrishnan Nagar,
                                        Moolakulam, Pondicherry - 605010

- Official   :   -

- Personal   : 9488494441

Educational Qualification

Course	Institution/University	Year of Passing	Percentage/Class Obtained
Ph.D.	Pondicherry University	May 2020	Biofilm algorithm for multi-objective optimization with special focus to De novo drug design
NET	UGC	Nov2017	-
TN-SET	-	Apr 2017	-
M. Tech	Pondicherry University	May2014	92.3%
M.C.A	Presidency College, Madras University, Chennai	May 1997	65.2%
B.Sc	Sri Saradha college for women, Salem	May 1994	85%
HSC	Hindu higher secondary school, Vaniyambadi	May 1991	70%
SSLC	Hindu higher secondary school, Vaniyambadi	May 1989	85%

Experience Details

- Teaching Experience
  Assistant Professor in Perunthalaivar Kamarajar arts College from Dec 2020.

- Research Experience
  Around **4 years** of research experience in Full-time Ph.D and **one year** in M.Tech (CSE) at Pondicherry University

- Industry Experience
  Over **9 years** of experience in Firmware and Management Information Base development, Cable modem automation in Taiwan and Software development and Database programming in Singapore.
  - **Alpha Networks Ltd, Hsinchu, Taiwan.** (Sep' 2006 – Jan 2009)

    Position : Senior Software Engineer

  - **Mototech Inc., Taiwan.** (Sep'2003 – Aug 2006)

    Position : Software Engineer

- **NIIT Asia Pacific Pvt Ltd, Singapore.** (Jul' 2000 – Feb 2002)

  Position : Systems Consultant

- **Galaxy Software, Singapore.** (Feb' 1999 – Jun' 2000)
  Position : Systems Consultant

- **Comsoft Pvt Ltd, Singapore.** (Jul' 1998 – Feb' 1999)
  Position : Programmer Analyst

List of Seminars/Conference/Workshop Organized

Sl. No	Date	Title	Venue
-	-	-	-

List of Research Paper Published

- Journal Notified on UGC   :

- Peer-Reviewed Journals   :

- Devi, R. Vasundhara, S. Siva Sathya, and Mohane Selvaraj Coumar., "**Multi-objective biofilm algorithm (MOBifi) for de novo drug design with special focus to anti-diabetic drugs.**" Applied Soft Computing 96 (2020): 106655. (Scopus indexed, SCIE)
- Devi, R. Vasundhara, S. Siva Sathya, and M. Selvaraj Coumar., "**Multi-objective genetic algorithm for De novo drug design (MoGADDrug).**" Current Computer-Aided Drug Design, 17(3), (2021): DOI: 10.2174/1573409916666200620194143
- Devi, R. Vasundhara, S. Siva Sathya, and Mohane Selvaraj Coumar., "**Multi-objective Genetic Algorithm for De Novo Drug Design (MOGADdrug).**" Current Computer - Aided Drug Design 16, (2020): DOI : 10.2174/ 1573409916666200620194143. (Scopus indexed, SCIE)
- Devi, R. Vasundhara and S. Siva Sathya., "**Biofilm algorithm for global numerical optimization.**" International Journal of Innovative Technology and Exploring Engineering (IJITEE) 8.5 (2019): 23. (Scopus indexed)
- Devi, R. Vasundhara, et al. "**Multi-objective Monkey Algorithm for Drug Design.**" International Journal of Intelligent Systems and Applications 11.3 (2019): 31. (Scopus indexed)
- Devi, R. Vasundhara, and S. Siva Sathya. "**Monkey behavior based algorithms-a survey.**" International Journal of Intelligent Systems and Applications 9.12 (2017): 67. (Scopus indexed)
- Devi, R. Vasundhara, S. Siva Sathya, and Mohane Selvaraj Coumar., "**Evolutionary algorithms for de novo drug design–A survey.**" Applied Soft Computing 27 (2015): 543-552. (Scopus indexed)
- Devi, R. Vasundhara, S. Siva Sathya, and M. Selvaraj Coumar., "**Multi-objective genetic algorithm for De novo drug design.**" IJSCE 4 (2014): 92-96

- Books & Chapters (Edited Volume):
- S. Sarvagalla, Sree Karni K., **Devi, R. Vasundhara**, and M. Selvaraj Coumar., "**Resources for docking-based virtual screening** ", as Book Chapter in "Molecular docking for computer-aided drug design, Fundamental, Techniques, Resources and Applications"(2021), pp: 179-203, Academic Press, Elsevier, ISBN: 978-0-12-822312-3

- Books Published   : Nil.

- National/International Conference Proceedings:

- Devi, R. Vasundhara, S. Siva Sathya, and Nilabh Kumar. "**Monkey algorithm for robot path planning and vehicle routing problems.**"2017 International Conference on Information Communication and Embedded Systems (ICICES). IEEE, 2017. (Scopus indexed)

- Devi, R. Vasundhara, S. Siva Sathya, and Mohane Selvaraj Coumar., "**GAMol: Genetic Algorithm based De novo molecule generator.**" (2014). (Scopus indexed)

List of Research Paper Presented/Participated
- National Level   : -
- International Level   :

- Devi, R. Vasundhara, S. Siva Sathya, and Nilabh Kumar. "**Monkey algorithm for robot path planning and vehicle routing problems.**"2017 International Conference on Information Communication and Embedded Systems (ICICES). IEEE, 2017. (Scopus indexed)

- Devi, R. Vasundhara, S. Siva Sathya, and Mohane Selvaraj Coumar., "**GAMol: Genetic Algorithm based De novo molecule generator.**" (2014). (Scopus indexed)

List of Orientation Programme/Refresher Course/FDP/ Workshop/Conference/Seminars etc. attended.

- Attended **Springer Author workshop** in Pondicherry University

- Attended **Big Data and open cloud work shop** in Dept. of Computer science, PU

- Attended **ACCIS-2014** conference in Kollam, Kerala

- Attended **IEEE conference** held in SA engg. College, Chennai

- Attended **ISCA conference** in Pondicherry University

- Attended **Optimization techniques workshop** in PEC, Pondicherry

- Attended UGC-HRDC **IT skills for Research scholars workshop** in PU

- Attended **Short course on Network Biology** in BICPU, PU

- Attended **Big Data Analytics work shop** in Dept. of BT., PU

- Attended **PySquare – 2018 workshop** in Pondicherry University

- Attended **Machine learning and Deep learning workshop** in Dept of CSE, PU

Editorial and Reviewer Activities

-

Any other Awards, Credentials and Recognitions :

Nov' 2017   **NET** qualified for assistant professorship
Apr'2017   **TNSET** qualified for assistant professorship
Awarded **Best poster award in ISCA** Conference Poster presentation – Feb 2017