

## Curriculum Vitae

**Dr. THANUJA.T.S**

Assistant Professor

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Date of Birth : 19/03/1988  
Date of Joining : 01/06/2022

### 1. Academic discipline

Course	Institution Studied	University	Year of Passing
Ph.D	Mar Ivanios College, Nalanchira	Kerala	2019
M.Phil	Department of Mathematics, University of Kerala, Kariavattom.	Kerala	2013
M.Sc	Department of Mathematics, University of Kerala, Kariavattom.	Kerala	2011
B.Sc	Mar Ivanios College, Nalanchira	Kerala	2009

**Topic of Research:**

FUZZY MATHEMATICAL MODELING OF MULTI-OBJECTIVE GENETIC RULE BASED SYSTEMS

**Fellowship Received:** KSCSTE 2012

**2. Publications in Journals**

1. T. S Thanuja, Mary George, 'A preliminary study on the use of KEEL in fuzzy association rule mining', Bulletin of Kerala mathematical Association, ISSN 0973-2721, Vol. 13 No. 2, (December 2016), pp 187-197.
2. T. S Thanuja, Mary George, Into the Semantics of Quality Measures concerning Fuzzy Association Rules, Indian Journal of Mathematics and Mathematical Sciences, ISSN: 0973-3329 , Vol 13 No 1, (Jan-June 2017), pp 203-214.
3. T. S Thanuja, Mary George, Learning Evaluation Measures for Fuzzy Association Rule Mining, Advances in Fuzzy Mathematics (AFM), Vol 12 No 5, ISSN: 0973-533X, 2017, pp. 1087-1097
4. T. S Thanuja and Mary George, Some Extended Quality Measures Concerning Fuzzy Association Rules, The Journal of Fuzzy Mathematics Vol. 26, No. 2, ISSN- 1066-8950,2018, pp. 371-381.
5. T. S Thanuja, Mary George, 'Fuzzy Association Rules: Transaction Classifications and Related Quality Measures', International J. of Math. Sci. & Engg. Appls. (IJMSEA), ISSN 0973-9424, Vol. 11 No. I (April, 2017), pp. 67-77.

### **3. Publications in Conference Proceedings**

1. T. S Thanuja, Mary George, A fuzzy approach to Multi Objective Vehicle Routing Problem using Genetic Algorithm, Proceedings of the UGC sponsored National Conference on Fuzzy Logic and its Applications to Computer Science, Organized by Department Of Mathematics, Baselios Poulouse II Catholic College, Piravam, Feb 2014.
2. T. S Thanuja, Mary George, An Overview of Genetic fuzzy Rule based System in Association Rule Mining, Proceedings of the National Workshop on Computational Mathematics, Organized by Department Of Mathematics, Mar Ivanios College (Autonomous), 2015.
3. T. S Thanuja and Mary George, Towards Some Properties of Fuzzy Rule Based Systems, Proceedings of the National Conference on Algebra, Analysis and Applications, Organized by Department Of Mathematics, Mar Ivanios College (Autonomous), 2018.

### **4. Edited Books**

1. Raju K. George, T. S Thanuja, et al., “Fuzzy Logic and Logic and Computational Linguistics, A Festschrift in Honour of Dr. Mary George”, ISBN:978-81-86660-31-7, Published by Southern Book Star, New Delhi, 2018.

## **5. Publications in Books**

1. T. S Thanuja, **Interpretation of Fuzzy Membership Functions in Fuzzy Rule Based Systems**, Fuzzy Logic and Logic and Computational Linguistics, A Festschrift in Honour of Dr. Mary George”, ISBN:978-81-86660-31-7, Published by Southern Book Star, New Delhi, 2018.

## **6. Seminars/symposia/workshops attended**

1. 5 dayworkshop on Discrete mathematics organized by Department of Mathematics, University of Kerala, Kariavattom, (5-9 June,2017).
2. 5 dayworkshop on “Optimization techniques” by Department of Mathematics, Mar Baselios College, Thiruvananthapuram (5-9 June,2017).
3. 3 day training program on “Open Source Tools for Research OSTR’18 ” organized by the Translational Research and Professional Leadership Centre (TPLC), Govt. Engineering College, Barton Hill, Thiruvananthapuram, 2018.

## **OBJECTIVE**

To become proficient in the teaching area, by utilizing and expanding my knowledge for mutual benefit of the institution, the students and myself.

To guide my student community in developing and improving their mental, social and economic wellbeing.