

Profile

Dr. S. Aseervatham

Assistant Professor

Department of Mathematics (Shift-I)

St. Joseph's College (Autonomous)

Tiruchirappalli - 620002

DOB: 05/05/1989



Qualification:

S. No.	Degree / Diploma	Subject	Name of the College / University	Year of Passing
1.	B.Sc.	Mathematics	Gandhigram Rural University	2009
2.	M.Sc.	Mathematics	Loyola College, University of Madras	2011
3.	M.Phil.	Mathematics	Loyola College, University of Madras	2012
4.	Ph.D.	Mathematics	Loyola College, University of Madras	2015
5.	PGDCP	Computer Programming	TRCES	2009

Teaching Experience:

1. Worked as an Assistant Professor about five years in Loyola College, Chennai during the period from June 2016 to July 2021.
2. Working as an Assistant Professor in St. Joseph's College (Autonomous), Tiruchirappalli from August 2021 till date.

Positions Held:

1. Serving as a Micro Quality Circle Member of Internal Quality Assurance Cell, St. Joseph's College (Autonomous), Tiruchirappalli during the period from June 2021 till date.
2. Served as the member of Fine Arts Club in St. Joseph's College (Autonomous), Tiruchirappalli during the period from June 2022 to May 2024.
3. Served as a Faculty Advisor of Loyola Club of Performing Arts in Loyola College, Chennai during the period from June 2018 to July 2021.
4. Served as the Vice-president of Loyola Mathematics Association (Shift-II) in Loyola College (Autonomous), Chennai from June, 2018 to July 2021.

Journal / Articles Published:

1. Victor Devadoss A., Aseervatham S., **"A Comparative Study Between Properties of Carnatic Ragas and Emotions of Devotional Songs using Bidirectional Associative Memories (BAM)"**, International Journal of Engineering and Research Technology (IJERT), Vol. 02(06), ISSN: 2278-0181, June – 2013, p.1380-1385.
2. Victor Devadoss A., Aseervatham S., **"A Study on the Influences of Ragas in Holy Mass Songs using Neutrosophic Fuzzy Cognitive Maps (NFCMs)"**, International Journal of Computing Algorithm, Integrated Intelligent Research (IIR), July 23 – 25, 2012, Vol. 02, October 2013, ISSN: 2278-2397, p.200-206.
3. Victor Devadoss A., Aseervatham S., **"Music promotes Gross National Happiness using Neutrosophic Fuzzy Cognitive Maps (NFCMs)"**, International Journal of Data Mining Techniques and Applications (IJDMTA), Integrated Intelligent Research (IIR), Vol. 02 October 2013, ISSN: 2278-2419, p.217-224.
4. Victor Devadoss A., Aseervatham S., **"Impact of Different Genre of Tamil Cini Music Using Combined Disjoint Block Fuzzy Cognitive Maps(CDBFCMs)"**, International Journal of Computing Algorithm, Integrated Intelligent Research (IIR), Vol. 03, February 2014, ISSN: 2278-2397, p.573-577.
5. Victor Devadoss A., Aseervatham S., **"Analyze the Effect of Western Classical Music in Chennai using Categorized CETD Matrix"**, International Journal of Scientific and Engineering Research (IJSER) Vol.05(08), August 2014, ISSN:2229-5518, p.842-854.
6. Victor Devadoss A., Aseervatham S., **"Ranking of Emotion Factors for the Effect of Western Classical Symphonies using Triangular Fuzzy Associative Memories"**, Annals of Pure and Applied Mathematics, Vol. 08 (02), 2014, ISSN:2279-0888, p. 09-18.
7. Victor Devadoss A., Aseervatham S., **"The Emotional Effect of Semi Classical Carnatic Music using Linguistic Aggregated Fuzzy Relational Maps"**, International Journal of Computer Applications, Vol.114 (02), March, 2015, ISSN:0975-8887, p. 26-32.
8. Victor Devadoss A., Aseervatham S., **"A New Approach of LBDAFAM on the Effect of Western Classical Music in GEMS-Factors of Emotion"**, International Journal of Applied Engineering Research, Vol.10 (01),2015, ISSN:1087-1090, p. 1056-1062.
9. Aseervatham S., Victor Devadoss A., **"Analysis on Criteria based Emotive Music Composition Selection using a New Trapezoidal Fuzzy DEMATEL - TOPSIS Hybrid Technique"**, Journal of Fuzzy Set Valued Analysis, Vol.2015 (02), 2015, ISSN:2193-4169, p.122-133.

10. Victor Devadoss A., Aseervatham S., **“Emotion Classification through Musical Features using Fuzzy Relational Maps (FRMs)”**, Annals of Pure and Applied Mathematics, Vol.9 (02), 2015, ISSN:2279-0888, p.167-175.
11. Victor Devadoss A., Aseervatham S., **“Capturing Sensational Features in Music using Induced Fuzzy Cognitive Maps (IFCMs)”**, in the International Conference on New Horizons in Statistical Modeling and Applications (NHSMA-2015), 2015 (Abstract).
12. Aseervatham S., Victor Devadoss A., Syed Ismail M., **“Linguistic Association of Attributes using Trapezoidal adapted Fuzzy Linguistic Relational Maps (TzFLRM)”**, Global Journal of Pure and Applied Mathematics, Vol. 12 (03), 2016, ISSN : 0973-1768.

Conference/Seminar/Workshop - Academic & General:

1. Participated in UGC Sponsored National Seminar on “Fuzzy Logic and Its Applications (FLA2P)” organized by Post Graduate Department of Mathematics at K.E. College, Mannanam, Kottayam, Kerala on September 27-29, 2011.
2. Participated in the “4th INSPIRE Internship Program / Science Conclave: A Congregation of Nobel Laureates and Eminent Scientists” at IIT-A in Allahabad, India during November 26 – December 02, 2011.
3. Presented a paper on “Music Promotes Gross National Happiness using Neutrosophic Fuzzy Cognitive Maps (NFCMs)” conducted by Gaeddu College of Business studies, Gadu, Royal University of Bhutan, BHUTAN on May 13-15, 2012.
4. Presented a paper on, “A Study on the Influences of Ragas in Holy Mass Songs using Neutrosophic Fuzzy Cognitive Maps (NFCMs)”, in the International Conference on Artificial Neural Networks and e-Mathematical Learning (IC-ANNML), Fr. Racine International Mathematics Congress, Loyola College, Chennai on July 23 – 25, 2012.
5. Presented a paper on, “A Study on the Influence of Ragas in Devotional songs using Induced Linked Fuzzy Relational Maps (ILFRMs)”, in the National Conference “Fuzzy Soft Computing Mathematical Analysis (FSCMA)”, organized by Department of Mathematics, Ramanujan School of Mathematical Sciences, Pondicherry University, on October 04-05, 2012.
6. Participated in Fr. Vion INDO-BHUTAN International Conference on Gross National Happiness jointly organized by Loyola College & Gaeddu College of Business Studies, Bhutan, in Chennai on January 13 – 15, 2013.
7. Presented a paper on, “Impact of Different Genre of Tamil Cini Music Using Combined Disjoint Block Fuzzy Cognitive Maps(CDBFCMs)” in the International Conference on Artificial Neural Networks and e-Mathematical

Learning (IC-ANNML13), Fr. Racine International Mathematics Congress, Loyola College, Chennai on October 03 – 05, 2013.

8. Presented a paper on, “Ranking of Emotion Factors for the Effect of Western Classical Symphonies using Triangular Fuzzy Associative Memories”, in the International Conference on Mathematical and Stochastic Analysis and its Applications – ICMSAA-2014”, D. G. Vaishnav College, Arumbakkam, Chennai held on December 18-20, 2014.
9. Presented a paper on, “A New Approach of LBDAFAM on the Effect of Western Classical Music in GEMS-Factors of Emotion”, in IEEE Sponsored 9th International Conference on Intelligent Systems and Control –ISCO-2015”, Karpagam College of Engineering, Coimbatore on January 09-10, 2015.
10. Presented a paper on “The Application of Triangular Fuzzy Associative Memories in the Analysis of the Emotional Effect of Indian Classical Music on GEMS-Factors of Emotions”, in the National Conference on Advances in Applied Mathematics(NCAAM-2015), Department of Applied Mathematics, Bharathiar University, Coimbatore on February 12 – 13, 2015.
11. Demonstrated a paper on, “Induced Emotions of Indian Classical Music using Fuzzy Logic”, in MATHS FEST-2015 conducted by Department of Mathematics, Adhiparasakthi Engineering College, Melmaruvathur on January 31, 2015.
12. Presented a paper on, “Capturing Sensational Features in Music using Induced Fuzzy Cognitive Maps (IFCMs)”, in the International Conference on New Horizons in Statistical Modeling and Applications (NHSMA-2015), Presidency College, Chennai held on February 27 – 28, 2015.
13. Presented a paper on, “The Analysis of Female Infanticide using Fuzzy Neural Network System”, in the International Conference on New Horizons in Statistical Modeling and Applications (NHSMA-2015) , Presidency College, Chennai held on February 27 – 28, 2015.
14. Presented a paper on, “The Fuzzy Analysis of Health Hazards Due to Pollution”, in the International Conference on New Horizons in Statistical Modeling and Applications (NHSMA-2015) , Presidency College, Chennai held on February 27 – 28, 2015.
15. Participated in, “A One day Seminar on Fuzzy Set Theory and its Applications”, on commemoration of 50th year of Zadeh’s Fuzzy Sets organized by PG & Research Department of Mathematics, Loyola College, Chennai on February 09, 2015.
16. Presented a paper on, “Linguistic Association of Attributes using Trapezoidal Adapted Fuzzy Linguistic Relational Maps (TzFLRM), in the National Conference on Pure and Applied Mathematics (NCPAM-2016) organized by Department of Mathematics, School of Advanced Sciences, VIT University, Vellore on March 12, 2016.

17. Participated in the International Conference on Recent Trends in Mathematics (ICRTM 2017) organized by PG & Research Department of Mathematics, Loyola College, Chennai on March 07, 2017.
18. Participated in, "A One-Day International Seminar on Higher Mathematics", jointly organized by Loyola Research Institute of Mathematics & Computer Sciences and Department of Mathematics, Loyola College, Chennai on September 12, 2017.
19. Participated in the International Conference on Computing Sciences (ICCS-2018), organized by LIMCOS, Loyola College, Chennai on January 08 – 09, 2018.
20. Presented a paper on, "Adaptation of Aggregated Triangular Fuzzy Numbers in Level Based Fuzzy Associative Memories in Linguistic Decision Making Environment", in the International Conference on Computing Sciences, organized by LIMCOS, Loyola College, Chennai on November 16 – 17, 2018.
21. Participated in the International Conference on Mathematical Sciences & Applications (Virtual) ICMSA 2022, organized by PG & Research Department of Mathematics, School of Computing Sciences, SJC, Tiruchirappalli on March 09 – 11, 2022.
22. Participated in Rev. Dr. Albert Muthumalai SJ, Endowment National Conference on Recent Developments in Pure and Applied Mathematics organized by PG and Research Department of Mathematics, School of Computing Sciences, St. Joseph's College (Autonomous), Tiruchirappalli on February 27 – 28, 2024.

Training/Orientation Programme attended - Academic & General:

1. Attended the Faculty Development Programme in School of Computational Studies, Hindustan College of Arts & Science, Kelambakkam, Chennai on January 09, 2016.
2. Attended the Faculty Development Programme on "Healthy Life - Happy You", organized by Loyola College, Chennai on December 12 -13, 2017.
3. Attended the Faculty Development Programme on "Physical & Mathematical Sciences – An Interdisciplinary Approach", organized by Loyola College, Chennai on January 10th and 17th, 2018.
4. Attended the Faculty Development Programme on "Student Centered Learning – Teaching Methodology for the 21st century", organized by Loyola College, Chennai on March 02 - 03, 2018.
5. Attended the Faculty Development Programme on "R – Programing Language", organized by Department of Mathematics, Physics and Statistics, Loyola College, Chennai on December 20 - 21, 2018.
6. Attended the National Conference on "Excellence in Higher Education", organized by IQAC, Loyola College, Chennai on November 23 – 24, 2018.

7. Attended one week Faculty Development Programme on "ICT Tools", organized by Sree Vidyanikethan Engineering College, Tirupati during 11th – 16th May, 2020.
8. Attended online Faculty Development Programme on "Fuzzy Sets and Systems", organized by Department of Mathematics (Shift - II), Patrician College of Arts and Science, Chennai on 16th May, 2020.
9. Attended the online Workshop on Strategies and techniques for NTA CSIR NET – Real Analysis organized by PG & Research Department of Mathematics, Loyola College, Chennai on June 01 - 03, 2020.
10. Attended the online Workshop on Mathematical Analysis (MATANA 2020) organized by PG & Research Department of Mathematics, Loyola College, Chennai on June 08 - 13, 2020.
11. Attended a workshop on Developing Online Courses in LMS organized by IQAC St. Joseph's College (Autonomous), Tiruchirappalli on November 22 - 23, 2021.
12. Attended a Faculty Development Programme on Hybrid Teaching & Learning organized by St. Joseph's College (Autonomous), Tiruchirappalli on 02 December 2021.
13. Attended a Faculty Development Programme on Nurturing Educational Leadership organized by St. Joseph's College (Autonomous), Tiruchirappalli on 18 December 2021.
14. Attended a one day Training Programme on Soft Skills for Faculty Members conducted by Joseph's Academy of Soft Skills (JASS), Auxilium Provincial House, Manikandam, Tiruchirappalli on 11 October 2022.
15. Attended a Two Day Outbound Training Programme on Soft Skills for Faculty Members conducted by Joseph's Academy of Soft Skills (JASS), Cluny Provincialate, Tiruchirappalli on December 01 – 02, 2022.
16. Attended a Faculty Development Programme on LOCF – A Reformative Road map towards Excellence organized by Internal Quality Assurance Cell, St. Joseph's College, Tiruchirappalli on 20.02.2023.
17. Attended a Faculty Development Programme in Mathematics organized by PG & Research Department of Mathematics, St. Joseph's College (Autonomous), Tiruchirappalli on 11.03.2023.
18. Attended a UGC-Sponsored Thirteenth Online Faculty Induction Programme organized by University Grants Commission – Human Resource Development Centre, Bharathidasan University, Tiruchirappalli -620023 between 16 August 2023 and 14 September 2023.
19. Attended a Faculty Development Programme on Intricacies of Writing for Research Publications and Projects organized by Internal Quality Assurance Cell, St. Joseph's College, Tiruchirappalli on 27 October 2023.

20. Attended a Faculty Development Programme on Patents and Consultancy organized by Internal Quality Assurance Cell and Joseph Start-up Centre, St. Joseph's College, Tiruchirappalli on 20 November 2023.
21. Attended a One-Day Faculty Development Programme on Academic Research in Science organized by St. Joseph's College, Tiruchirappalli on 09 December 2023.
22. Attended a Hi Impact-Faculty Development Programme organized by Joseph's Hub for Languages, St. Joseph's College (Autonomous), Tiruchirappalli on May 06 – 24, 2024.
23. Attended an online Refresher Course in Mathematics and Its Applications organized by UGC-Malaviya Mission Teacher Training Centre, University of Allahabad, Uttar Pradesh on November 06 – 19, 2024.
24. Attended a Faculty Development Programme on Effective E-content Development on the 4-Quadrant Approach (Run-II) organized by Faculty Development Centre, St. Joseph's College (Autonomous), Tiruchirappalli on December 04 – 07, 2024.

Webinars attended:

1. Attended one-week online training programme on LATEX and SCILAB organised by D.K.M. College for Women with the collaboration of the Spoken Tutorial Project, IIT Bombay on 04th May 2020.
2. Attended the webinar on Knowledge Gained through the Challenging Exercise of NAAC: Success Story organised by St. Joseph's College (Autonomous), Tiruchirappalli on 15th May 2020.
3. Attended three days National level online course on Operations Research organised by Department of Mathematics, Virudhunagar Hindu Nadar Senthikumara Nadar College, Virudhunagar from 18th May 2020 to 20th May 2020.
4. Attended a Webinar on Mathematical Documentation and Computation using Online Tools organized by PG & Research Department of Mathematics, St. Mary's College, Thoothukudi during 28th – 29th May 2020.
5. Attended the International Webinar series on Mathematical Teaching Skills & E – Resources organized by PG & Research Department of Mathematics, Loyola College, Chennai during 11th – 12th June 2020.
6. Attended the National Webinar series on Research Methodology organized by Loyola College, Chennai during 12th – 13th June 2020.
7. Attended the Webinar on Machine Learning organized by PG & Research Department of Mathematics, Loyola College, Chennai during 15th – 16th June 2020.

8. Attended the National Webinar on Applications of Mathematics in Communication Engineering organized by PG & Research Department of Mathematics, Loyola College, Chennai on 10th June 2020.

Any Other Honours / Responsibilities:

1. Received Rev. Fr. Racine Research award for the best research scholar and published highest number of research papers in the International Journals during the academic year 2014-2015.
2. Received Maulana Azad National Fellowship (MANF) from University Grants Commission (UGC), Central Government of India on the basis of merit in M.Sc Mathematics.
3. Awarded Gold medal for the First rank in M.Phil Mathematics during the academic year 2011-2012.
4. Chaired a session in the National Conference on Pure and Applied Mathematics (NCPAM-2016) organized by Department of Mathematics, School of Advanced Sciences, VIT University, Vellore on March 12, 2016.
5. Contributed as Committee member in the International Conference on Computing Sciences, organized by LIMCOS, Loyola College, Chennai on November 16 – 17, 2018.
6. Served as the Convener in a two days online Faculty Development Programme on Linear Algebra & Research Indicators and Ethics in Research organised by PG & Research Department of Mathematics, Loyola College, Chennai during 05th – 06th June 2020.
7. Served as the resource person in the webinar and delivered a talk on Application of Fuzzy logic in Uncertain Decision Making Environment organised by Department of Mathematics, School of Basic Sciences, Vels Institute of Science, Technology and Advance Studies, Chennai on 24 March 2021.
8. Served as the resource person in the National Science Day-2022 webinar and delivered a talk on Career Opportunities for Science Streams organised by IQAC & Department of Mathematics, Shri Krishnaswamy College for Women, Chennai on 28 February 2022.
9. Served as a Chair person in the International Conference on Recent Trends in Applied Mathematics-2022 organized by Loyola College, Chennai on 04 March 2022.
10. Designed and Developed a Value Added Course on LaTeX for Beginners in JosTEL, the LMS of St. Joseph's College, Tiruchirappalli during the academic year 2021-2022.
11. Served as a Chair person in the International Conference on Research Trends in Contemporary Mathematics (ICRTCM)-2023 organized by Patrician College of Arts and Science, Chennai on 03 February 2023.

12. Conducted a Certificate course on LaTeX for Technical Writing for UG, PG students, Research scholars and Faculty during the academic year 2022-2023.
13. Conducted a Certificate course on LaTeX for Technical Writing for UG, PG students, Research scholars and Faculty during the academic year 2023-2024.
14. Served as the Co-Convener of Two Day Workshop on Problem Solving in Differential Equations, Calculus of Variations, Integral Equations and Stochastic processes (Focus on CSIR -NET Problems) organized by Micro Quality Cell (MQC), PG and Research Department of Mathematics, St. Joseph's College (Autonomous), Tiruchirappalli on February 10 – 11 2025.
15. Served as the Chief Guest in Child Learning Development Programme at Pre-School, Azhagiripuram organized by Extension Department-Shepherd, St. Joseph's College (Autonomous), Tiruchirappalli on 13 February 2025.

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