CURRICULUM VITAE

Name	:	Dr. J. Christy Roja
Religion	:	Roman Catholic
Nationality	:	Indian
Address for Communication	:	No. 17, New Achadihara Street, Woraiyur, Trichy-03.
Present Position	:	Assistant Professor Department of Mathematics, St. Joseph's College (Autonomous), Tiruchirapalli-02. Email: jchristyrojaa@gmail.com
Skills	:	Basic Knowledge of Latex and MATLAB
Achievements	:	Published three articles in the Scopus Indexed Journals.

Educational Qualification :

PhD, Bharathidasan University, Trichy, 2017
SET, Bharathiyar University, Coimbatore, 2006
M.Phil, St. Joseph's College (Autonomous), Trichy, 2003
M.Sc, Holy Cross College (Autonomous), Trichy, 2000
B.Sc, Holy Cross College (Autonomous), Trichy, 1998

Teaching Experience :

Assistant Professor (June 2012- Till Date),
Department of Mathematics,
St. Joseph's College (Autonomous),
Tiruchirappalli, Tamil Nadu, India.

Assistant Professor (FDP) (Jan 2011- April 2012),
Department of Mathematics,
St. Joseph's College (Autonomous),
Tiruchirappalli, Tamil Nadu, India.

Guest Lecturer (July 2009-April 2010),
Department of Mathematics,
Bharathidasan University,
Tiruchirappalli, Tamil Nadu, India.

Lecturer (June 2008-April 2009),
Department of Mathematics,
St. Joseph's College (Autonomous),
Tiruchirappalli, Tamil Nadu, India.

Guest Lecturer (Sep 2003-April 2008),

Department of Mathematics,

Government Arts College,

Tiruchirappalli-22, Tamil Nadu, India.

Lecturer (Nov 2002 - April 2003)

Department of Mathematics,

St. Joseph's College (Autonomous),

Tiruchirappalli, Tamil Nadu, India.

List of Research Publications:

1. J. Christy Roja and A. Tamilselvan, Schwarz method for singularly perturbed second order convection-diffusion equations, J. Appl. Math. & Informatics Vol. 36(2018), No. 3 - 4, pp. 181 -203, https://doi.org/10.14317/jami.2018.181.

2. J. Christy Roja and A. Tamilselvan, An overlapping schwarz method for singularly perturbed third order convection-diffusion type J. Appl. Math. & Informatics Vol. 36(2018), No. 1 - 2, pp. 135 – 154, http://dx.doi.org/10.14317/jami.2018.135.

3. J. Christy Roja and A. Tamilselvan, Overlapping domain decomposition method for singularly perturbed third order reaction-diffusion problems. Ain Shams Eng J (2017), http://dx.doi.org/10.1016/j.asej.2016.09.018.

4. J. Christy Roja and A. Tamilselvan, Numerical method for singularly perturbed third order ordinary differential equations of reaction-diffusion type, J. Appl. Math. & Informatics Vol. 35 (2017), No. 3 - 4, pp. 277 – 302, https://doi.org/10.14317/jami.2017.277.

5. N. Geetha, A. Tamilselvan and J. Christy Roja, Numerical method for a system of second order singularly perturbed turning point problems, Journal of Mathematical Modeling, Vol. 5, No. 1, 2017, pp. 1-23.

6. Joseph Stalin Christy Roja and Ayyadurai Tamilselvan, Numerical method for singularly perturbed fourth order ordinary differential equations of convection-diffusion type, Journal of Mathematical Modeling Vol. 4, No. 1, 2016, pp. 79-102.

7. J. Christy Roja and A. Tamilselvan, Numerical Method for Singularly Perturbed Third Order Ordinary Differential Equations of Convection-Diffusion Type, Numer. Math. Theor. Meth. Appl., Vol. 7, No. 3, pp. 265-287, August 2014,
doi: 10.4208/nmtma.2014.y12030.

8. J. Christy Roja and A. Tamilselvan, Shooting method for singularly perturbed fourth order ordinary differential equations of reaction-diffusion type, International Journal of Computational Methods. Vol. 10, No. 6 (2013) 1350041 (21 pages).

9. J. Christy Roja and J. Jenifa, Overlapping Iterative Numerical Method for Solving System of Singularly Perturbed Convection-Diffusion Problems with Mixed-Type Boundary Conditions, Lecture Notes in Networks and Systems Vol. 964, pp. 195-209 (2024).

Seminars / Workshops attended

1. Attended the Science Acamedies' Lecture Workshop on Algebra from 16th-18th August 2018 held at the Department of Mathematics, Bharathidasan University, Tiruchirrappalli-620024.

2. Attended the National Conference on Analysis and Applied Mathematics organized by the Department of Mathematics, National Institute of Technology, Tiruchirrappalli-620015.

3. Attended the National Conference on Mathematical Sciences and Applications organized by the Department of Mathematics, St. Joseph's College, Tiruchirappalli on 4-5 March 2014.

4. Attended the LaTex Workshop organized by the Department of Mathematics, St. Joseph's College, Tiruchirappalli on 13 August 2013.

5. Attended the National Conference on Frontiers in Analysis and Differential Equations (NCFADE) (In Honour of Professor N. Ramanujam on his Sixtieth Birth Anniversary) organized by the Department of Mathematics, Bharathidasan University, Tiruchirappalli – 620 024, India on December 19 – 20, 2012.

6. Attended the Third One-Day Workshop on Latex organized by the Department of Physics, St. Joseph's College, Tiruchirappalli on 29th January 2005.

7. Attended the Science Academies' Lecture Workshop on Algebra from 16 – 18 August 2018, Department of Mathematics, Bharathidasan University, Tiruchirappalli – 620024.

8. Attended the International Conference on Discrete Mathematics (ICDM-2019), Department of Mathematics, St. Joseph's College, Tiruchirappall-02, sponsored by NBHM, CSIR, and SERB from 07th to 09th 2019.

DECLARATION

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.

(J. Christy Roja)