

CURRICULUM VITAE

Name : Dr. J.Christy Roja

Religion : Roman Catholic

Nationality : Indian

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Communication** : 11.A,Kammala street,
Woraiyur,Trichy-3

Present Position : Assistant Professor
Department of Mathematics
St.Joseph's College (Autonomous)
Tiruchirapalli.
Email;jchristyrojaa@gmail.com

Skills: Basic Knowledge of Latex and MATLAB

Achievements: Published three articles in the scopus 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, Tiruchirappalli
Trichy, Tamil Nadu,India.

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

List of Research Publication:

- 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.Christy Roja J, Tamilselvan A. 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, 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 a 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 (21pages).

Seminars / Workshops attended

1. Attended the Science Academies' Lecture Workshop on Algebra during 16th-18th August, 2018 held at Department of Mathematics, Bharathidasan university, Tiruchirappalli-620024.
2. Attended the National conference on Analysis and Applied Mathematics organised by Department of mathematics, National Institute of technology, Tiruchirappalli-620015.

3. Attended the National conference on Mathematical sciences and applications organised by Department of mathematics, St. Joseph's College, Tiruchirappalli on 4-5 March, 2014.

4. Attended the LaTeX Workshop organised 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) organised 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 organised by the Department of Physics, St. Joseph's College, Tiruchirappalli on 29th January 2005.

7. Attended the workshop on Science Academies' Lecture Workshop on Algebra during 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, Tiruchirappalli-02, sponsored by NBHM, CSIR and SERB during 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)