

## Dr.J.CHRISTY KINGSTON

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### Qualification

Degree	Branch	Institution / University	Year of Passing
Doctor of Philosophy	Mathematics	Bharathidasan University / Bishop Heber College	March 2020
M.Phil	Mathematics	Bharathidasan	April 2005
M.Sc	Mathematics	Bharathidasan	April 2003
B.Sc	Mathematics	Bharathidasan	April 2001

### Ph.D. Details

Title of Thesis	Area of Specialization	Research Supervisor	Research Centre	Year of Award
Numerical Solutions for the First Order Fuzzy Differential Equations Using Runge-Kutta Methods with Different kinds of Means	Fuzzy Differential Equations	Dr. D. Paul Dhayabaran	Bishop Heber College, Trichy 17	March 2020

Cleared NET / SET :	Details	Year of Passing

### Work Experience

Name of Institution	Address of Institution	Designation	From	To
J.J.College of Engineering and Technology	ammapettai, trichy-09	Assistant professor	15-09-2009	15-06-2014
Bishop Heber College	Tennur, Trichy-17	Assistant professor	16-06-2014	till date
shivani polytechnic college	Ammapettai, Trichy-09	Assistant professor	15-06-2005	14-09-2009

### Teaching / Research Experience

U.G. : 15      P.G. : 8      M.Phil.      Ph.D.

### Research Guidance

U.G. : 10      P.G. : 24      M.Phil. :      Ph.D. :

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6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	1
8.	Resource Person	0
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 0

## CONFERENCES / WORKSHOPS / SEMINARS ATTENDED

- 4

1. International level Conference on **"HICAAMMC-2016"** sponsored by Actuarial Science department organized by Actuarial Science department at Bishop Heber College during 28/11/2016 to 30/11/2016.
2. -1 level Workshop on **"Curriculum Design and Evaluation Techniques"** sponsored by DBT organized by Bishop Heber College at Bishop Heber College during 21/11/2016 to 22/11/2016.
3. -1 level Workshop on **"Effectively Imparting Moral Values on Students"** sponsored by Religious Life Committee organized by Religious Life Committee at Bishop Heber College during 25/07/2016 to 01/01/1900.
4. International level Conference on **"ICMCE"** sponsored by VIT-Chennai organized by VIT-Chennai at Chennai during 01/01/1900 to 14/12/2015.

## Research Papers Presented

- 2

1. **"MULTIPLE ATTRIBUTE GROUP DECISION MAKING PROBLEMS USING RUNGE-KUTTA METHOD OF HARMONIC MEAN"** in the International conference on *HICAAMMC-2016* sponsored by , organized by Actuarial Science at BHC during 28/11/2016 to 30/11/2016.
2. **"A Fuzzy Differential Equation Approach to Interval Valued Intuitionistic Fuzzy MAGDM Problems"** in the International conference on *ICMCE* sponsored by , organized by VIT-Chennai at Chennai during 14/12/2015 to 15/12/2015.



1. **"SOLVING FUZZY DIFFERENTIAL EQUATIONS USING RUNGE-KUTTA FOURTH ORDER GILL METHOD"** published in INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY (SELECT) Vol. 5, Issue No. 1, January 1900 ISSN : 2277-9655.
2. **"A Method for Solving Fuzzy Differential Equations using fourth order Runge-kutta Embedded Heronian Means"** published in International Journal of Innovative Research in Science, Engineering and Technology (SELECT) Vol. 5, Issue No. 3, January 1900 ISSN : 2347-6710.
3. **"Solving Fuzzy Differential Equations using Runge-kutta second order method for two stages contra-harmonic mean"** published in International Journal of Engineering Science and Innovative Technology (IJESIT) (SELECT) Vol. 5, Issue No. 1, January 1900 ISSN : 2319-5967.
4. **"SOLVING FUZZY DIFFERENTIAL EQUATIONS USING RUNGE-KUTTA FOURTH ORDER GILL METHOD"** published in INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY (SELECT) Vol. 5, Issue No. 1, January 1900 ISSN : 2277-9655.
5. **"Solving Fuzzy Differential Equations using Runge-Kutta third order method with modified contra-harmonic mean weights"** published in International Journal of Engineering Research and General Science (SELECT) Vol. 4, Issue No. 1, January 1900 ISSN : 2091-273.
6. **"Solving Fuzzy Differential Equations Using Runge-Kutta Third Order Method for Three Stages Contra-Harmonic Mean"** published in International Journal of Innovative Research in Science, Engineering and Technology International Journal of Engineering Science and Innovative Technology (SELECT) Vol. 5, Issue No. 1, January 1900 ISSN : 2319-5967.
7. **"An Approach for solving Fuzzy Differential Equations using New fifth order Runge-Kutta method based on Heronian Mean"** published in International Journal of Advanced Scientific and Technical Research (SELECT) Vol. 1, Issue No. 6, January 1900 ISSN : 2249-9954.
8. **"A method for solving fuzzy Differential equations using Runge-kutta method with three quantities"** published in International Journal of Engineering Science and Innovative Technology (IJESIT) (SELECT) Vol. 4, Issue No. 3, January 1900 ISSN : 2319-5967.
9. **"MULTIPLE ATTRIBUTE GROUP DECISION MAKING PROBLEMS USING RUNGE-KUTTA METHOD OF HARMONIC MEAN"** published in Aryabhatta Journal of Mathematics and Informatics [AJMI] (SELECT) Vol. 8, Issue No. 2, January 1900 ISSN : 2394-9309.

## Books Published / Edited

- 1

- \* Dr R Gethsi sharmila . **DIFFERENTIAL EQUATIONS, LAPLACE TRANSFORMS AND FOURIER SERIES**. : New Century Book House Pvt Ltd , September 2020.

1. Minor project entitled **"FUZZY DIFFERENTIAL EQUATIONS"** (*PRINCIPAL INVESTIGATOR*), Sponsored by UGC, during 01/01/2015 to 1/23/2018 [Completed].



**Signature of Staff**  
**(J.CHIRSTY KINGSTON)**