

Dr. J. DESDEMONA KIRUBAVATHI

ASSOCIATE PROFESSOR

PG & RESEARCH DEPARTMENT OF MATHEMATICS

Dr. AMBEDKAR GOVERNMENT ARTS COLLEGE

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**Personal Details**

Name	Dr. J.DESDEMONA KIRUBAVATHI
Designation	ASSOCIATE PROFESSOR
Academic Qualification	M.Sc., M.Phil., B.Ed., Ph.D.

Teaching Experience

Designation	Department	Institution	Period
Associate Professor	Mathematics	Dr.Ambedkar Government Arts College, Vyasarpadi, Chennai – 39	28.08.2013 to till date
Assistant Professor	Mathematics	Dr.Ambedkar Government Arts College, Vyasarpadi, Chennai – 39	08.10.2004 to 27.08.2013
Lecturer	Mathematics	AAA College, Walajapet	28.08.2000 to 08.10.2004

Area of Specialization

- COMPUTATIONAL FLUID DYNAMICS

Board of Studies

- Served as Board of Studies Member in Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai – 39.

Publications

- **International/National Journals**

1. G.Palani, **J.Desdemona Kirubavathi** and E.Chandrasekaran, “Soret and Dufor Effects on a semi infinite inclined plate”, *International Journal of Engineering and Technology*, 7(4.10), 336-339, 2018. (SCOPUS Journal).
2. G.Palani and **J.Desdemona Kirubavathi**, “Radiative free convection flow past an inclined plate with variable surface temperature”, *International Journal of Pure and Applied Mathematics*, 113(10), 271-279, 2017.
3. G.Palani and **J.Desdemona Kirubavathi**, “Natural convection from an inclined plate immersed in a temperature stratified medium”, *International Journal of Mathematics and Engineering with computers*, 7(2), 147-157, 2016.

4. **J.Desdemona Kirubavathi** and G.Palani, “On Diffusion of chemically reactive species in convective flow past an inclined plate with variable surface temperature and variable mass diffusion”, *International Journal of Applied Mechanics and Engineering*, 21(4), 905-922, 2016. (SCOPUS Journal).
5. G.Palani, **J.Desdemona Kirubavathi** and Kwang-Yong Kim, “Free convection effects on inclined plate with variable viscosity and thermal diffusivity”, *Thermophysics and Aeromechanics*, 21(1), 65-85, 2014. (SCI Journal).

Participation in conferences / workshops

- Two days International Conference on “Applicable Mathematics” (ICAM 2016), organized by Stella Maris College, Chennai, on 30.11.16 and 01.12.16.
- Two days National Workshop on “Recent Advances in Mathematics and its Applications”, organized by Department of Mathematics, L.N. Government College, Ponneri, on 13.12.2012 and 14.12.2012.
- 15th Ramanujan Symposium on “Dynamic Equations”, organized by Ramanujan Institute of Advanced Studies in Mathematics, University of Madras, Chennai from 04.02.2008 to 06.02.2008.

Refresher and Orientation Courses				
Sl. No.	Name of the course	UGC - ASC / UGC-HRDC, University	No. of days	Period
1.	Orientation Course	ASC - University of Madras, Chennai	28	24.01.2001 to 20.02.2001
2.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	28.11.2003 to 18.12.2003
3.	Quality Improvement Programme	Ethiraj College for Women, Chennai	5	13.12.2004 to 17.12.2004
4.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	03.11.2006 to 23.11.2006
5.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	05.11.2008 to 25.11.2008