

Faculty Profile



Name : Dr .G.SASIKALA
Designation : ASSOCIATE PROFESSOR
Address : 30/1A,THOLIZHAR
COLONY, SOWDAMBIKA NAGAR
KANIYAMPOODI,TIRUPUR-641643
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Date of Joining in Collegiate Education :13.10.2008
Date of Joining in the Present College :31.07.2009
Academic Profile :

Degree	Institute/College	University	Period
BSc -MATHS	Urumu Dhanalakshmi college-Trichy	BHARATHIDASAN UNIVERSITY	1997 to 2000
MSc-MATHS	National college, Trichy	BHARATHIDASAN UNIVERSITY	2001 to 2003
PGDCA	Urumu Dhanalakshmi college-Trichy	BHARATHIDASAN UNIVERSITY	2000 to 2001
MPphil-MATHS	ADM College for Women,Nagapattinam	BHARATHIDASAN UNIVERSITY	2003 to 2005
Phd- MATHS	Maharaja Arts and science college-Neelambur-coimbatore	BHARATHIAR UNIVERSITY	2014 to 2020

Teaching Experience :

i) **Total** : 17 **Years** 11 **Months**
ii) **UG** : 17 **Years** 11 **Months**
iii) **PG** : 17 **Years** 11 **Months**

Name of the college	Position held	Period
Thanthai Hans Rover college-perambalur	lecturer	2005 to 2008
Tamilnadu Government collegiate Education service	Assistant Professor in maths Associate Professor in maths	2008 to 2020 2021 to till date.

Honors and Research Awards : NA

Field of Interest : Operations research, Real analyss

i) **Teaching** : Trigonometry and vector calculus,
Differential geometry, Dynamics.

ii) **Research**

iii) **Proficiency in instrumentation** :

Research Guidance

Guidance Number : 14257/CRE5/2021&27/05/2022

(If have more than one university, given them
against university name)

S. No	M.Phil/Ph.D	Name of the Student	Thesis Title	Completed/ongoing
1	Ph.D	UMAMAHESHWARI.R (Full time)	---	ongoing
2	Ph.D	SAHATHA THASNEEM(Full time)	---	ongoing
3.	Ph.D	MARY SHANTHIA (part time)	---	On going

Funded Projects :NIL

Membership in Professional Bodies : NIL

S. No	Name of the Professional Body	Membership Detail with Number
	NIL	NIL`

Research Publications :

i) **Research Papers** : Attach paper list - with doi and http link of
the Paper (Annexure – I)

ii) **Book/Book Chapters** : Details with ISBN number

iii) **Patent** :

National and International Conferences : Attach separate list (Annexure – II)

i) **Participated**

ii) **Paper Presented**

iii) **Poster Presented**

Conference/Seminars Organized :

Workshop attended : co-convenor

Resource Person/Invited Lectures :

Faculty Development Programs Attended :

Course	University/Institute	Subject	Period
Orientation course	Madras University	Mathematics	13/10/2008 to 8/11/2008
Refresher course in Women Studies	Bharathiar University	Multi-disciplinary	9/11/20011 to 29/11/2011
Refresher course	Bharathiar University	Applied Mathematics and Statistics	15/09/2017 to 05/10/2017

Academic Activities :

i) **Subject Handled** : **Real analysis, operations research.**

ii) **Class Advisor** : **YES.**

iii) **Special Coaching** : **Remedial classes**

iv) **Student Community Beneficial Activities**

v) **Co-curricular and extra curricular activities**

Professional Activities :

i) **Reviewer**

ii) **Board of Studies/UR**

iii) **Examiner/Scrutiny** : Bharathiar university-Examiner for both UG and PG

iv) **Senate/Syndicate**

National/ International Collaborations

List of Publications:

[1] Sasikala.G and Kumaraghuru.S, Optimization of a Fuzzy Matrix Game under Dominance Approach, *International Journal of Scientific Progress and Research*, 24(2016) 141-146.

[2] Sasikala.G and Kumaraghuru.S, Application Concept Solution of Fuzzy Goal Matrix Game, *International Journal of Scientific Progress and Research*, 25(2016), 57-59.



- [3] Sasikala.G and Kumaraghuru.S, Optimal solution of Mean-Field Games Models and applications, *International Journal of Advanced and Innovative Research*, 6(2017), 9-12.
- [4] Sasikala.G and Kumaraghuru.S, Nash Equilibrium Solution of Trapezoidal Fuzzy Number in Bi-matrix Game, *International Journal of Mathematics Trends and Technology*, 45(2017), 90-94.
- [5] Sasikala.G and Kumaraghuru.S, Interchangeable to Service Oriented Enterprises: Game Theory Approach, *International Journal of Applied Science and Mathematics*, 4(2017), 104-111.
- [6] Sasikala.G and Kumaraghuru.S, Interactive decision making approach for Nash Cooperative continuous static games, *International Journal of Recent Scientific Research*, 8(2017), 16876-16879.
- [7] Loganathan.C and Sasikala.G, Mean field game linear quadratic Gaussian control in Leader-Follower stochastic dynamic game model and its application, *International Journal of Engineering Research and Applications*, 8(2019), pp:8-11.
- [8] Sasikala.G, Mean field game theory for Non-Linear Stochastic Optimal control Problems with Major and Minor Agents. *International Journal of Research and Analytical Reviews* (2349-5138)-2021.
- [9]. Sasikala.G and S.A. Sahathana Thasneem, Intuitionistic Fuzzy Approach to Three player prisoner's Dilemma Game, *International journal of science and Resrarch*, 12 (2023), 496-499.
- [10]. Sasikala.G and R.Umamaheswari, Solving 2*2 Fuzzy Game Matrix Problem using Octogonal, Nonagonal fuzzy numbers, *International Research Journal.*, 10(2023), 473-480.
- [11]. Sasikala.G and R.Umamaheswari, Solving Fuzzy Game Problem using Octogonal fuzzy numbers, *Journal of the Asiatic Society* Mumbai, 11(2023)

(35-39).

- [12]. Sasikala.G and S.A.Sahathana Thasneem, Equilibrium Solution in Bi-matrix Game With Trapezoidal Intuitionistic Fuzzy payoffs, *Journal of the Asiatic Society Mumbai*,11(2023) ,(40-47).
- [13]. Sasikala.G and S.A.Sahathana Thasneem, Solving Matrix Games with Trapezoidal Intuitionistic Fuzzy payoffs, *International journal of Research and Analytical Reviews*, 12(2023), 25-34.
- [14].Sasikala. G and R. Uma Maheswari , Solving Fuzzy Game of order 3*3 using Nonagonal Fuzzy Number, *Indian journal of Natural Sciences*, 14(2023)-0976-0997.page no 63689-63694.
- [15] Sasikal.G and S.A. Sahathana Thasneem, Solving Trapizoidal Intuitionistic Fuzzy Number by Score Function, *Indian journal of Natural Sciences*, 14(2023)-0976-0997.page no 63676-63682.

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