

FACULTY PROFILE

Name of the Staff : **Dr. ARUNRAJ B**
 Official Address : Assistant Professor
 ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE,
 VALLAL ARUMUGAM PILLAI ROAD, TIRUPPATTUR – 630 211.
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Personal Details:

Age : 47
 Date of Birth : 10/07/1977
 Sex & Marital Status : Male & Married
 Citizenship : INDIAN
 Department : MATHEMATICS
 Date of Joining : 16/03/2016

Qualification:

Degree	Programme and Specialization	Class/CGPA	Month & Year of Passing	Institute/University
Ph.D	MATHEMATICS	ICLASS	03/2014	BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI, TAMIL NADU, INDIA
M.Phil	MATHEMATICS	IICLASS	05/2008	ALAGAPPA UNIVERSITY, KARAIKUDI, TAMIL NADU, INDIA
D.E.S.M.T.,	ELECTRONIC SERVICING AND MAINTENANCE	ICLASS	03/2002	TREC-STEP, TIRUCHIRAPPALLI, TAMIL NADU, INDIA
M.Sc	MATHEMATICS	ICLASS	05/2001	BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI, TAMIL NADU, INDIA
B.Sc	MATHEMATICS	IICLASS	04/1999	BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI, TAMIL NADU, INDIA

Professional Experience:

Teaching Experience:

Designation	Institute/University	Period		Nature of Duties
		From	To	
Assistant Professor	ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE, TIRUPPATTUR – 630 211	16/03/2016		Teaching
Assistant Professor	A.V.V.M.SRIPUSHPAM COLLEGE (AUTONOMOUS), POONDI	23/09/2004	15/03/2016	Teaching Research

Other Academic Credentials:

S.No	Title
1	TEST COORDINATOR

S.No	Title
2	SIP COMMITTEE MEMBER
3	MULYA PRAVAH COMMITTEE MEMBER
4	ADD-ON COURSES DEVELOPMENT CELL MEMBER

Area of specialization:

S.No	Title
1	FUZZY MATHEMATICAL MODELLING
2	NUMBER THEORY
3	STOCHASTIC PROCESSES

Course Taught:

S.No	Course Title	U.G. or P.G
1	ALL	P.G
2	ALL	U.G

H-Index:

Research Gate	Google Scholar	Scopus	Web Of Science
	2	2	

Development or Training Activity:

Attended:

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
1	Special Orientation Programme for Professors	06/04/2015	18/04/2015	A.V.V.M.SriPuthampam College (Autonomous), Poondi.		Special Orientation Programme
2	Data Analysis for Research in Social Sciences	17/06/2020	30/06/2020	Online-Ramanujam College, Delhi University	FDP	14-Days National Faculty Development Programme
3	28 Days "124th Orientation course	01/06/2018	28/06/2018	UGC-HRDC, Pondicherry University, Puducherry	Orientation Programme	124th Orientation course

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
4	Research Methodology: Tools & Techniques	07/07/2020	20/07/2020	Online Refresher Course conducted by UGC-HRDC Mizoram University	Refresher Course	Online Refresher Course
5	Managing online classes and co-creating Mooc 3.0	25/07/2020	10/08/2020	Online-Teaching Learning Centre, Ramanujan College, University of Delhi	FDP	5. Two weeks faculty development programme
6	Mathematics & Statistics Sciences	16/11/2020	28/11/2020	Online Refresher Course conducted by UGC-HRDC Punjabi University, Patiala	Refresher Course	Online Refresher Course
7	Mathematic	16/03/2021	30/03/2021	Online - Teaching Learning Centre, Ramanujan College, University of Delhi	Refresher Course	Two weeks Online Refresher Course
8	IN-SERVICE TEACHER TRAINING IN MATHEMATICAL SCIENCES PROGRAMME	05/05/2022	06/05/2022	Tamilnadu State Council for Higher Education at Madurai		Two Days IN-SERVICE TEACHER TRAINING PROGRAMME
9	Faculty development programme on Data analytics with Tableau for Naan Mudhavan Programme	30/01/2023	03/02/2023	The Tamil Nadu Skill Development Corporation, Government of Tamil Nadu at Madurai Kamaraj University		Five Days faculty development programme
10	Faculty development programme on Train the Trainer program on Digital Productivity and AI Fluency	28/08/2023	01/09/2023	online		Naan Mudhalvan
11	Mathematic	29/04/2023	13/05/2023	Online - Teaching Learning Centre, Ramanujan College, University of Delhi	Refresher Course	Two weeks Online Refresher Course
12	FDP on Digital Productivity and AI fluency under the Microsoft digital skills program	01/07/2024	06/07/2024	Online		Naan Mudhalvan

Expert Lecture Delivered/Judge:

S.No	Title	Period		Venue
		From	To	
1	Primary Teacher's Training Programme	26/07/2017	26/07/2017	APSA COLLEGE,
2	Subject expert in the New Text Book Review Workshop for 6th Std	30/07/2018	01/08/2018	DIET, Kalayarkoil in Sivagangai District

Research Achievements:**National Journal Publications:**

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
1	A HYBRID FUZZY AND MATHEMATICAL MODEL OF THE INCREASED ACTIVITY OF THE IMMUNE SYSTEM BY THE FUZZY EXPERT SYSTEM	Emerging Trends in Engineering Science 2022	Page : 6 -7	05/2022	Published
2	APPLICATION OF GRACEFULNESS ON V-TREE	Scientific Transactions in Environment and Technovation	Volume-6 Number-2 Page : 104-105	10/2012	Published
3	FUZZY MATHEMATICAL MODELING, NUMERICAL APPROXIMATION AND COMPUTATIONAL SIMULATION ON THE ABSORPTION OF DRUGS INTO THE BLOOD STREAM	BIO-SCIENCE RESEARCH BULLETIN	Volume-26 Number-2 Page : 151-163	07/2010	Published
4	PARAMETRIC REPRESENTATION OF INDICES OF $O_a + O_c = 2O_b$	Scientific Transactions in Environment and Technovation	Volume-4 Number-1 Page : 37-38	01/2010	Published
5	EVALUATING THE MEDICAL DIAGNOSIS SYSTEM WITH AN EMPHASIS ON RELATED ENVIRONMENTAL FACTORS USING FUZZY MODELING	BIO-SCIENCE RESEARCH BULLETIN	Volume-26, Issue-1 & Page : 57-67	01/2010	Published
6	ON FUZZY MODELLING FOR COMPUTING AN INDEX FOR MEDICAL DIAGNOSIS SYSTEM	BIO-SCIENCE RESEARCH BULLETIN	Volume-25 Number-2 Page : 69-77	01/2009	Published
7	OBSERVATION ON HEPTAGONAL NUMBERS AND SQUARE NUMBERS	ANJAC JOURNAL OF SCIENCES	Volume-7 Number-2 Page : 13-17	06/2008	Published
8	OBSERVATION ON HEXAGONAL NUMBERS IN ARITHMETIC PROGRESSION	JOURNAL OF INDIAN ACADEMY OF MATHEMATICS	Volume-32 Number-2 Page : 327-332		Published

International Journal Publications:

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
1	RECOVERY OF DISEASES – THROUGH A FUZZY MODELING	INTERNATIONAL JOURNAL OF ALGORITHMS, COMPUTING AND MATHEMATICS	Volume-3 Number-4 Page : 34	11/2010	Published

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
2	ON THE ASSESSMENT OF INCUBATION PERIOD IN THE DISEASES CONTRACTED BY BIOLOGICAL CAUSES USING STOCHASTIC MODEL	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS	Volume-4 Number-V Page : 181-189	12/2010	Published
3	ON THE ESTIMATION OF RISK STATUS FOR DEVELOPING DEFORMITY LATER AMONG THE LEPROSY AFFECTED BY USING THE FUZZY DIFFERENTIAL EQUATIONS	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS (IJMSEA)	Volume-5 Number-III Page : 247-260	05/2011	Published
4	A STUDY ON MEMBERSHIP FUNCTION BY USING FUZZY HAMILTON-JACOBI EQUATION	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES	Volume-10 Number-3-4 Page : 275-291	07/2011	Published
5	ON THE DETERMINATION OF DRUG INPUTS TO THE SYSTEM THROUGH FUZZY MATHEMATICAL MODELLING	INTERNATIONAL JOURNAL OF MULTIDISPL.RESEARCH AND ADVCS.IN ENGG.(IJMRAE)	Volume-4 Number-1 Page : 267-278	01/2012	Published
6	ON POLYGONAL (Nth-GONAL) NUMBERS	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING	Volume-6 Number-II Page : 17-24	03/2012	Published
7	ON REP-DIGIT POLYGONAL NUMBERS	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS	Volume-6 Number-II Page : 245-252	03/2012	Published
8	ON TRIPLES OF PENTAGONAL NUMBERS	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS	Volume-6 Number-II Page : 269-274	03/2012	Published
9	FUZZY MATHEMATICAL MODELLING ON THE CONTROL OF HYPERTROPHIC OBESITY AND HYPERPLASTIC OBESITY	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS	Volume-6 Number-IV Page : 77-90	07/2012	Published
10	DESIGNING A FUZZY EXPERTS SYSTEM ON AGE SPECIFIC PREVALENCE OF RESPIRATORY DISEASES USING FUZZY MARKOVIAN CHAIN	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS	Volume-6 Number-V Page : 199-211	09/2012	Published
11	ON Nth-STAR-NUMBER SIDED POLYGONAL NUMBERS	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS	Volume-6 Number-VI Page : 335-338	11/2012	Published
12	ON THE ASSESSMENT OF TREATMENT LEVELS INRELATION TO BODY MASS INDEX VALUE THROUGH FUZZY MATHEMATICAL MODELLING	TURKISH JOURNAL OF FUZZYSYSTEMS, TURKISH	Volume-3 Number-2 Page : 108-117	01/2023	Published

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
13	FUZZY MARKOV APPROACH FOR ASSESSING INTESTINAL INFECTIONS FOR DIFFERENT AGE SPECIFIC DIAGNOSIS ANALYSIS	APPLIED MATHEMATICAL SCIENCES, BULGARIA	Volume-6 Number-109-11 2 Page : 5565-5572	06/2012	Published
14	HYBRID FUZZY AND MATHEMATICAL MODEL OF IMMUNOLOGICAL RESPONSE	APPLIED MATHEMATICAL SCIENCES, BULGARIA	Volume-6 Number-137-1 40 Page : 6993-7000	11/2012	Published
15	HYBRID MODEL ANALYSIS ON HOST FACTOR OF EPIDEMICS INVOLVING FUZZY MARKOVIAN CHAIN	THEORETICAL MATHEMATICS AND APPLICATIONS, SCIENPRESS LTD, LONDON	Volume-3 Number-2 Page : 117-127	01/2013	Published
16	DESIGNING A FUZZY EXPERT SYSTEM ON AGE SPECIFIC PREVALENCE OF ARTHROPOD AND ZOOZOSES DISEASES USING FUZZY MARKOVIAL CHAIN	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS	Volume-13 Number-I Page : 49-61	06/2019	Published
17	ON PRIORITIZATION OF THE SUSCEPTIBILITY OF THE HOST TO OVERCOME THE INFECTION THROUGH FUZZY ANALYTICAL HIERARCHY PROCESS	INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND ENGINEERING APPLICATIONS	Volume-13 Number-I Page : 63-75	06/2019	Published

Project Guidance:

Degree	Number of Projects
PG Degree	2

Sponsored Research:

National Agency:

S.No	Title of the Project	Sponsored Agency	Year		Funding Amount	Role	Current Status
			From	To			
1	Mathematical Modelling in the Analysis of Multidimensional Health of Human being	UGC	2015	2016	2.0	Principal investigator	Completed

Other Contribution work to the Institute/Organization:

S.No	Name	Role	Period		Nature of Duties
			From	To	
1	Entrepreneurship Cell	Member 2016-2017, 2017-2018,			
2	Canteen Committee	Member 2016-2017, 2017-2018			

S.No	Name	Role	Period		Nature of Duties
			From	To	
3	Extension Activity Member	Member 2016-2017, 2017-2018			
4	Department Association	Vice-President 2016- 2017, 2017-2018			
5	Prize and Certificates distribution committee Annual Sports	Member 2016-2017			
6	NPTEL	Member 2017-2018			
7	Eco Club	Member 2016-2017, 2017-2018,			