

## BIO-DATA

**Dr. S. COUMARESSANE**



### Personal Profile:

Name : Dr. S. COUMARESSANE  
Father's Name : D. SINOUVASSANE  
Mother's Name : S. Ellammalle  
Date of Birth : 21-03-1973  
Communication Address : # 50; River Side Street,  
Nonankuppam,  
Ariyankuppam (post), Puducherry – 605 007  
coumaressane.s@gmail.com;  
coumaressane\_s@yahoo.com  
Mobile Number : (+91)8438199159, 8825969869.  
OFFICE ADDRESS : DEPARTMENT OF MATHEMATICS  
INDIRA GANDHI GOVT. COLLEGE OF ARTS &  
SCIENCE, PUDUCHERRY – 605 007

Nationality and Religion : Indian and Hindu

### Education Qualification

Sl. No	Examination /Degree	Subject	University / Board	Year of Passing
1.	Ph.D	Mathematics Algebra, Fuzzy Algebra, Near-rings, Rings	Annamalai University	2006
<b>Ph.D Thesis Title:</b> “CONTRIBUTION TO FUZZY THEORY IN SEMIRINGS, RINGS AND NEAR-RINGS” Guide: Dr. P. Dheena, Professor in Mathematics, Annamalai University.				
2.	M. Phil.,	Mathematics Algebra	Annamalai University	2001
<b>M. Phil., Thesis Title:</b> “ A STUDY ON REGULAR, DUO AND RIGHT-BIPOTENT RINGS” Guide: Dr. R. Sampathkumar, Reader, Department of Mathematics, Annamalai University.				
3.	M. Sc.,	Mathematics	Pondicherry University	1997
4.	B. Sc.,	Mathematics	Pondicherry University	1994
5.	H. Sc.,	Tamil, English, Mathematics, Theory, Practical I, Practical -II	Board of Higher Secondary Examination, Tamil Nadu	1991
6.	S.S.L.C	Tamil, English, Mathematics, Science, History & Geography	Board of Secondary Education, Tamil Nadu	1988

### NET Qualified

: CSIR-UGC (NET) Passed Two Times:

#### Details:

Subject: Mathematical Science

Regn. No: 400452 Year of Passing: 2001.

**Academic Distinction**

: GATE 2001 Passed with 75.19% Reg. No:MA643251

**Area of Specialization**

: Algebra ( Rings, Near-rings, Semi-rings, Semi-groups, Groups), Fuzzy Algebra, and Graph Theory

**Research Interests**

: Group Theory, Ring Theory, Semi-rings Theory, Near-rings Theory, Graph Theory, Module Theory, Fuzzy Algebra, Fuzzy Sets, Fuzzy Logic, Rough Sets, Probability Theory and Combinatorics.

**Teaching Experience**

Sl. No	Name of the Institute	Designation	Duration		Length of Service as March 2019	UG/PG	Permanent/Temporary
			From	To			
1.	PAJANCOA & RI (An Institute of Govt. Of Puducherry), Karaikal	Assistant Professor (Senior Scale)	28 <sup>th</sup> March 2003	06 <sup>th</sup> July 2009	6 years 3 Months 08 days	UG & PG	Permanent
2.	Perunthalaivar Kamarajar Arts College, (An Institute of Govt. Of Puducherry) Puducherry.	Assistant Professor	7 <sup>th</sup> July 2009	22 <sup>th</sup> Feb 2016	6 Years 8 Months and 21 Days.	UG	Permanent
3.	Indhira Gandhi College of Arts & Science, Kathirkamam (An Institute of Govt. Of Puducherry) Puducherry-605 009	Associate Professor	22 <sup>th</sup> Feb 2016	28 <sup>th</sup> October 2021	5Years 08 Months.	UG	Permanent
4.	Perunthalaivar Kamarajar Arts College, (An Institute of Govt. Of Puducherry) Puducherry.	Associate Professor	28 <sup>th</sup> October 2021	Till Date	10 Months	UG	Permanent
<b>TOTAL SERVICE:</b>					<b>19 years 5 Months</b>		

**Administrative Experience**

Sl. No	Post Held	Organization	Duration
1.	Secretary#	PAJANCOA & RI, Karaikal	03 years
# Pandit Jawaharlal Nehru College of Agriculture Students' Co-operative Store Ltd P-640 has received the best Co-operative Society award Two Times (Year 2005 and 2007) from Department of Co-operative Societies, UT of Puducherry.			
2.	Hiking Society Head	PAJANCOA & RI, Karaikal	03 years
3.	Stack-in-Charge	PAJANCOA & RI, Karaikal	01Year 05 Months
4.	Computer Centre In-charge	PAJANCOA & RI, Karaikal	06 Years 03 Months 08 Days
5.	Course Associate of Computer Science	PAJANCOA & RI,	06 Years 03 Months 08 Days

		Karaikal	
6.	HOD of Both B.Sc., Mathematics and B.C.A Computer Science Application	PKAGC, Puducherry	5 ½ years
7.	ICT Co-ordinator	PKAGC, Puducherry	3 ½ Years
8.	Placement Cell Co-ordinator	PKAC	3 ½ Years
7.	ICT Co-ordinator	IGCAS, Puducherry	From 22 Feb 2016 onwards
8.	Placement Cell Co-ordinator	IGCAS, Puducherry	From 22 Feb 2016 onwards

**Contribution in Teaching** :

Sl. No	Name of the Course	Subjects Handled
1.	B. Sc. (Mathematics & Statistics)	: Abstract Algebra, Discrete Mathematics (Graph Theory), Mathematical Statistics, Vector Analysis, Operation Research, Complex Analysis, Algebra and Trigonometry, Calculus and Calculus II, Real Analysis.
2.	B. Com., B.Sc(Computer Science) & B.C.A	: Business Mathematics and Business Statistics, Discrete Mathematics, Allied Mathematics, Operation Research, Statistical Analysis and Statistics
3.	B. Sc., (Agriculture)	: Agricultural Statistics, Introduction to Computer Technology, Computer Application, Applied Mathematics, Introduction to Computer Technology and Programming Language, Mathematics for Agricultural Sciences.
4.	B.Sc., (Statistics)	: Mathematics for Statistics, Real Analysis, Discrete Mathematics
5..	M.Sc., (Agriculture)	: Forecasting Techniques in Agricultural Economics, Matrices and Numerical Analysis, calculus and its Economics Application, Probability Theory and its Economic Application, Mathematics for Economics and Management, Mathematics for Economics, Operation Research, Mathematical Statistics.

**Thesis Supervision / Guided**

: M.Phil : 01

PG: 01.

**Membership in Academic and Scientific Bodies**

: Reviewer : American mathematical Society, USA.

Editor : Journal of Approximation Reasoning.

**Research Publications**

:

<b>Refereed International Journals</b>	:	18
<b>Refereed Conference Proceedings</b>	:	04
<b>Books</b>	:	01
<b>Conference Presentations/ Attendance</b>		10 national and International
<b>Invited Talk</b>	:	<b>National:</b> 05 <b>International:</b> 01
1. The Sixth International Conference on Dynamic Systems and Applications Topic: Generalization of Fuzzy k-ideals of Semirings through Triangular Norms		Morehouse, College, Atlanta, Georgia, USA From 25-28 May 2011
2. National Conference on Recent Trends in Fuzzy Mathematics Topic: Fuzzy Theory in Gamma-semigroups		Mathematics Wing, Directorate of Distance Education, Annamalai University, Tamilnadu, India, From 14-15 June 2010
3. National Conference on Rings and Field in Algebra. Topic: Recent Trends in Mathematics Theory of Rings in Algebra.		Department of Mathematics, Kailash Women's College, Nangavalli, Salem, Tamilnadu, India on 18 <sup>th</sup> August 2014
4. A special Lecture on "New Trend in Modern Algebra" Topic: Ring Theory		Department of Mathematics, Sri Aravindar Arts & Science College, Vanur, Villupuram Dist., Tamilnadu, India on 30 <sup>th</sup> September 2014.

5. Guest lecture on Ring Theory Topic: Ring theory		Department of mathematics, Saradha Gangadharan College, Velrampet, Puducherry, India on 10th October, 2014.
6. National Conference on Recent trends in Pure and Applied Mathematics. Topic: Algebraic Structure on Rings.		Department of Mathematics, Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi, Madurai, India on 23 <sup>rd</sup> January 2015.
<b>Posted Presentations</b>	:	<b>National: 03                      International : 01</b>
<b>Only Attendance</b>	:	<b>National: 01                      International: 01</b>
<b>National Conference / Seminar / Training Organized</b>	:	<b>National Conference:</b> 1. Eleventh Annual Conference of Agricultural Economics Research Association in PAJANCOA & RI (11 <sup>th</sup> to 13 <sup>th</sup> December 2003)  <b>Training:</b> 2. Skills on Processing and Value Addition of Food for Commercial Market in PAJANCOA & RI (on 02 <sup>nd</sup> February 2009).  <b>National Seminar:</b> 3. Professor P. Dheena commemorative National Seminar on Algebra and its Application (04 <sup>th</sup> September 2009)
<b>Number of Orientation Course Attended</b>	:	01: 78 <sup>th</sup> Orientation Programme, Academic Staff College, Pondicherry University, from 04-01-2005 to 31-01-2005.
<b>Number of Refresher Course/ Workshop Attended</b>	:	02 1. Instructional Workshop on Graph Theory Organized by the Department of Mathematics, Annamalai University, Annamalai Nagar, Tamil Nadu, During 29.12.2009 to 11.01.2010. 2. Refresher Course on Women Studies, Academic Staff College, Pondicherry University, from 02.12.2014 to 22.12.2014.

**Other Training Programme Attended:**

1. 08 days Training Programme on Web Application Development using .Net Technologies, conducted by ICT Academy of Puducherry.	Staff Development Programme, Sri Ganesh College of Engineering and Technology, Puducherry From 02-10 May 2013.
2. 03 days Training Programme on E-Literacy conducted by ICT Academy of Puducherry.	Staff Development Programme, ICT Training Academy (DIT), Puducherry from 25-27 August 2014.

**Other Academic Related Activities :**

1.	Board of Studies	<p>1. Attended UG Board of Meetings in Mathematics, the Department of Mathematics, Pondicherry University on 21-08-2012.</p> <p>2. Attended UG Board of Meetings in Mathematics, the Department of Mathematics, Pondicherry University on 25-02-2014.</p> <p>3. Member of the Doctoral Committee , the Department of Mathematics, Bharathidasan University, Tiruchirappalli- 620 024, constituted for the candidate Ms. M. Malathi.</p> <p>4. Member of UG. PG. and M.Phil Board of Studies, &amp; Question Paper setter, St. Joseph's College of Arts and Science (Autonomous), Cuddalore</p> <p>5. Member of UG. Board of Studies, &amp; Question Paper setter University of Madras, Chennai</p> <p>6. Question Paper Setter, UG &amp; PG, Mathematics, Bharathiar University, Coimbatore</p>
----	------------------	---

2.	Member of the Board of Examiners	<p>1. Theory Valuation of U.G. Mathematics Course Examinations at Pondicherry University from 23-30 January 2015</p> <p>2. Theory Valuation of U.G. Mathematics Course Examinations at Pondicherry University 23-30 June 2014.</p> <p>Theory Valuation of U.G. B.Ed.,-Mathematics Course Examinations at Pondicherry University 21<sup>st</sup> Feb 2013</p> <p>3. Appointed the University Practical Examinations as External Examiner of Programming in C, Tagore Arts College, Puducherry-8 on 11/04/2014</p> <p>4. Pondicherry University Officiated as Observer in Rajiv Gandhi Arts and Science College, Thavalakuppam, Puducherry from 04.12.2013 to 07.12.2013</p> <p>5. Officiated as Invigilation work in Perunthalaivar Kamarajar Arts College, Kalitheerthalkuppam, Puducherry from 15-Nov 2013 to 07<sup>th</sup> Dec 2013</p> <p>6. Pondicherry University Officiated as Observer in Tagore Arts College, Lawspet, Puducherry from 18-23 May 2013</p> <p>7. Appointed the University Practical Examinations as External Examiner of Numerical Analysis Using C, Saradha Gangadharan College Lake Road, Velrampet, Puducherry- 04 on 15/04/2013</p>
----	----------------------------------	--

**LIST OF RESEARCH PUBLICATIONS**

Sl. No	Title of publications	Author/Co-author & Total No. of Authors	Name of publishers	Year of publication	ISBN/ISSN No /Etc	Impact Factor	I m p a c t  F a c t o r  P r o	Published as
1.	Fuzzy Ideals in Subcommutative Semirings	P. Dheena & S. Coumaressane; 2	The Journal of Fuzzy Mathematics	2004	ISSN No : 1066-8950	-		International Journal
2.	Nilpotent Faithful Fuzzy Ideals	P. Dheena & S. Coumaressane; 2	The Journal of Fuzzy Mathematics	2006	ISSN No: 1066-8950	-		International Journal
3.	Fuzzy <i>m</i> -system and <i>sp</i> -system in Near-rings	S. Coumaressane & P. Dheena ; 2	The Journal of Fuzzy Mathematics	2010	ISSN No: 1066-8950	-		International Journal
4.	A Note on Fuzzy Annihilators in Near-rings	S. Coumaressane; 1	The Journal of Fuzzy Mathematics	2011	ISSN No: 1066-8950	-		International Journal
5.	Fuzzy 2 – (0– or 1–) prime Ideals in Semirings	P. Dheena & S. Coumaressane; 2	Bulletin of Korean Mathematical Society	2006	ISSN No: 1015-8634	4.51		International Journal
6.	Residual Quotient Fuzzy Subset in Near-rings	P. Dheena & S. Coumaressane; 2	International Journal of Mathematics and	2006	ISSN No : 0161-1712	-		International Journal

Sl. No	Title of publications	Author/Co-author & Total No. of Authors	Name of publishers	Year of publication	ISBN/ISSN No /Etc	Impact Factor	o f  i s :  h t t p : / / w w w . m e d s c i e d i t i n g . c o m / s c i	Published as	
			Mathematical Sciences						
7.	Characterization of Regular $\Gamma$ -semigroups through Fuzzy Ideals	P. Dheena & S. Coumaressane; 2	Iranian Journal of Fuzzy Systems	2007	ISSN No : 1735-0654	3.39			International Journal
8.	Generalization of $(\epsilon, \in \vee q)$ -fuzzy Subnear-rings and Ideals	P. Dheena & S. Coumaressane; 2	Iranian Journal of Fuzzy Systems	2008	ISSN No : 1735-0654	3.39			International Journal
9.	Near-rings Characterized by Their $(\lambda, \theta)$ -fuzzy Quasi-ideals	S. Coumaressane; 1	International Journal of Computational Cognition	2010	ISSN No : 1542-5908 (online); 1542-8060 (print)	-			International Journal
10	Simple and Generalized T-fuzzy bi-ideals of Gamma-semigroup	S. Coumaressane, V. Chinnadurai & N. Thillaigovindan	Annals of Fuzzy Mathematics and informatics	2015					International Journal
11.	Characterization of Prime Ideals in $\Gamma$ -semigroups through Fuzzy Ideals	S. Coumaressane; 1	Proceedings International Conference on Rough Sets and Soft Computing	2009	ISBN: 978-81-8387-417-5.	-			International conference Proceedings
12.	On T-fuzzy K-ideals of Semirings	S. Coumaressane; 1	National Conference on Mathematical Modelling	2009	-	-			National Conference
13.	Vague K-ideal in Semirings	S. Coumaressane; 1	Proceedings of the National Conference on Algebra and Graph Theory	2010	ISBN: 978-81-908352-4-4	-			National Conference Proceedings
14.	Generalization of Fuzzy k-ideals of Semirings through Triangular Norms	S. Coumaressane; 1	Proceedings of Dynamic Systems and Application	2012	ISBN: 1890888001	-			International conference Proceedings
15.	Some extensions of rough prime ideals in semirings	Coumaressane. S. & Chinnadurai. V	Proceedings of ICMMA2012, Department of Mathematics, Annamalai University, Annamalai nagar-608002, Tamilnadu, India, December 22-24,	2012	-			International conference Proceedings	
16.	Rough Bi-ideals in Near-rings	S. Coumaressane, and V.S. Suba; 2	Proceedings of FRUAA 2011	2011	-	-		International conference	

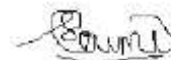
Sl. No	Title of publications	Author/Co-author & Total No. of Authors	Name of publishers	Year of publication	ISBN/ISSNNo /Etc	Impact Factor	Published as
							Proceedings
17.	On Rough Ideals in $\Gamma$ -semigroups	V. Chinnadurai, S. Coumaressane, and V.S. Subha; 3	Proceedings of FRUAA 2011	2011	-	-	International conference Proceedings
18.	On Rough Prime-ideals in Near-rings	N. Thillaigovindan, S. Coumaressane, and V.S. Subha; 3	Proceedings of FRUAA 2011	2011	-	-	International conference Proceedings
19.	Fuzzy Algebraic Structures	S. Coumaressane;1	LAP LAMBERT Academic Publishing GmbH & Co. KG Germany	2011	ISBN: 978-3-8443-1343-7	-	International Book

### DECLARATION

I, Dr. S. Coumaressane, son of D.Sinouvasane hereby solemnly declare that the information made in this Bio-data as above are correct and complete to the best of my knowledge and belief, and that no material information has been concealed or suppressed and if there has been suppression of any factual information, my service can be terminated if selected.

Place: Puducherry

Date:24/08/2022



Signature