




## PROFILE

<b>Name</b>	<b>Dr. J.XAVIER ADAIKALARAJ</b>		
<b>Department</b>	Mathematics		
<b>Designation</b>	Associate Professor & Head		
<b>Email</b>	xavier18@aactni.edu.in		
<b>Teaching Experience (Arul Anandar College)</b>	<b>UG: 19</b>	<b>PG:5</b>	

### RECOGNISED EDUCATIONAL QUALIFICATIONS

S. No.	QUALIFICATION	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
1	Ph.D.		Madurai Kanaraj University, Madurai	2017
2	M.Phil.	St.Joseph's College, Trichy	Bharathidasan University	1988
3	M.Sc.	National College, Trichy	Bharathidasan University	1986
4.	B.Sc.	BishopHeber College Tiruchirappalli	Madras University	1984

### WORK EXPERIENCE

S.NO	NAME OF THE INSTITUTION/ORGANISATION	DESIGNATION	NATURE OF WORK	PERIOD
1.	St. Joseph's College-Trichy	Assistant Professor	Teaching	1988-1996
2.	Thanthai Hans Roever College-Perambalur	Assistant Professor	Teaching	1996-2001
3.	Arul Anandar College	Assistant Professor	Teaching	2001 -2014
4.	Arul Anandar College	Associate Professor	Teaching	2014 onwards
5.	Arul Anandar College	Associate Professor, Head	Teaching	2016 onwards

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**BOOKS/JOURNALS PUBLISHED OR EDITED**

<b>NAME OF THE BOOK/JOURNAL/ CONFERENCE PROCEEDINGS</b>	<b>WHETHER JOURNAL/ BOOK/ CONFERENCE PROCEEDINGS</b>	<b>AUTHOR/ CO AUTHOR</b>	<b>ISSN/ ISBN NO</b>	<b>VOL. NO</b>	<b>PUBLISHER AND PLACE</b>	<b>YEAR OF PUBLISHING AND EDITION</b>
Allied Mathematics I for B.Sc. Physics and Chemistry students.	Book	Co Author	ISBN : 978-81-906042-9-1		Britto Publishing House Arul Anandar College Karumathur -625514 Madurai District	January 2013
Allied Mathematics II for B.Sc. Physics and Chemistry students.	Book	Co Author	ISBN : 978-81-906042-9-1		Britto Publishing House Arul Anandar College Karumathur -625514 Madurai District	March 2015

**PUBLICATIONS (CONTRIBUTIONS IN JOURNALS/EDITED BOOKS/PROCEEDINGS)**

<b>TITLE OF THE PAPER</b>	<b>NAME OF THE JOURNAL /BOOK/ PROCEEDINGS</b>	<b>WHETHER JOURNAL/ BOOK/ PROCEEDINGS</b>	<b>VOLUME AND NO</b>	<b>PAGE NOS</b>	<b>ISSN / ISBN NO</b>
A Non-linear Mathematical model of the mammary carcinoma- immune system: An analytical approach	International Journal Of Scientific And Research Publications (Ijsrp)	Journal	3,3		2250-3153

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New Weakly Generalized Locally Closed sets Maps	International Journal of Mathematics and its Applications	Journal	3	19-28	2347-1557
New Classes of Ideal Topological Quotient	International Journal of Current Research in Science and Technology	Journal	2,4	13-20	2394-5745
Determination of the Vulnerable age Group of Women Getting Affected by thyroid Cancer Considering Environmental Effects in the journal of Ecology, Environment and conservation	Ecology, Environment and conservation	Journal	Special Issue	72-75	0971765 X
A Waste Management Model for the Production Sectors to Promote Environmental Sustainability	International	Proceedings		26	
Fuzzy Optimization of Eco-Trnsportation using Dual Method of alpha-cut. Ranking technique	National	Proceedings		37	
Determination of effective measures to turn off customer attraction using VIKOR method	International	Proceedings		49-51	

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**PAPERS PRESENTED IN SEMINARS/CONFERENCES/WORKSHOP**

<b>TITLE OF THE PAPER</b>	<b>TITLE OF THE SEMINAR/ CONFERENCE/ WORKSHOP</b>	<b>LEVEL OF SEMINAR/ CONFERENCE/ WORKSHOP</b>	<b>ORGANIZING INSTITUTION</b>	<b>DATE</b>
Mathematical model of the mammary carcinoma-immune system	Advances and applications in Mathematical Modelling	National	The Madura College, Madurai	15 <sup>th</sup> and 16 <sup>th</sup> April 2013
Further study of w-closed sets	Mathematical Computation and Modelling	International	The Madura College, Madurai	6 <sup>th</sup> Jan 2014
$\alpha$ AB sets in ideal topological spaces	Recent Advances in Pure and Applied Mathematics	National	Arul Anandar College	26 <sup>th</sup> Feb 2015
New classes of ideal topological quotient maps	Recent Advances in Pure and Applied Mathematics	National	Arul Anandar College	3 <sup>rd</sup> Mar 2016

**CONFERENCE/WORKSHOP/SEMINAR – ORGANISED**

<b>S. No.</b>	<b>NAME OF THE SEMINAR/CONFERENCE/WORKSHOP</b>	<b>ORGANISING CAPACITY</b>	<b>SPONSOR</b>	<b>PERIOD/ DATE</b>
1	National conference-Recent Advances in Pure and Applied Mathematics	Convener	UGC	2017
2	National conference-Recent Advances in Pure and Applied Mathematics	Convener	UGC	2018
3	International conference -Recent Advances in Pure and Applied Mathematics	Convener	UGC	14 <sup>th</sup> Feb 2019
4.	National conference-Recent Advances in Pure and Applied Mathematics	Convener	UGC	2020

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**SEMINARS/CONFERENCES/WORKSHOPS ATTENDED**

<b>TITLE OF THE SEMINAR/ CONFERENCE/ WORKSHOP</b>	<b>LEVEL OF SEMINAR/ CONFERENCE/ WORKSHOP</b>	<b>ORGANIZING INSTITUTION</b>	<b>DATE AND PLACE</b>
Promotion of Research and Quality Improvement in Colleges	National	IQAC of Arul Anandar College	29 <sup>th</sup> Sep to 1 <sup>st</sup> Oct 2004
National level conference on Mathematical Modeling	National	Gandhigram Rural University	3 <sup>rd</sup> & 4 <sup>th</sup> of Mar 2007
National level conference on Internal Quality Assurance system and curriculum development	National	IQAC of Arul Anandar College	29 <sup>th</sup> & 30 <sup>th</sup> of Jan 2009
National level conference on Emerging Trends in Modern Topology	National	Arul Anandar College	22 <sup>nd</sup> Feb 2011
National level conference on Applications of Modern topology	National	School of Mathematics, Madurai Kamaraj	24 <sup>th</sup> Jan 2012
National seminar on Applications of Differential Equations	National	The Madura College, Madurai	25 <sup>th</sup> 2012.
National Colloquium for IQAC coordinators on Best Practices in Higher Education	National	IQAC of Arul Anandar College	20 <sup>th</sup> & 21 <sup>st</sup> July 2012.
Mathematical Models and Methods	National	The Madura College, Madurai	1 <sup>st</sup> & 2 <sup>nd</sup> Mar 2012
National Conference on Advances and applications in Mathematical Modeling	National	The Madura College , Madurai	15 <sup>th</sup> and 16 <sup>th</sup> April 2013
Mathematical Computation and Modeling	International	The Madura College , Madurai	6 <sup>th</sup> Jan 2014.

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## RESOURCE PERSON

WHETHER SPEAKER/ MODERATOR/ PANELISTS	TITLE OF THE PRESENTATION	ORGANISING INSTITUTION AND PLACE	DATE
External Examiner	M.Phil. Maths Project viva-voce examination	St. Mary's College (Autonomous) Thoothukudi-628001	11-09- 2018
External Examiner	Board of Studies	Fatima college Madurai	15-2-2018
External Examiner	Board of Studies	St. Mary's College (Autonomous) Thoothukudi-628001	16-2-2019
Speaker	Role of Astronomy	Fatima college Madurai	13-2-2018
Speaker	Beauty of Mathematics	St. Mary's College (Autonomous) Thoothukudi-628001	11-09- 2018
Speaker	wonder of Mathematics	St Joseph College for women	10-7-2018

## E CONTENT CREATED

TITLE OF THE CONTENT	TYPE OF CONTENT	LINK
KARNAUGH MAP	Video	<a href="https://drive.google.com/file/d/1OsoSaZo7HU-IdENA8E5hEOmecqU71EhE/view?usp=sharing">https://drive.google.com/file/d/1OsoSaZo7HU-IdENA8E5hEOmecqU71EhE/view?usp=sharing</a>
RUNGE-KUTTA METHODS	Video	<a href="https://drive.google.com/file/d/1jxufUE8fGK5hrqEzn11COmTika0BqioN/view?usp=sharing">https://drive.google.com/file/d/1jxufUE8fGK5hrqEzn11COmTika0BqioN/view?usp=sharing</a>

## ACADEMIC POSITIONS HELD

POST	INSTITUTION	PERIOD
Head , Department of Mathematics	Arul Anandar College	From June 2016 onwards

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## **POSITIONS HELD IN ARUL ANANDAR COLLEGE**

- Served as coordinator of Rotaract Club of Arul Anandar College during 2009-12
  - Served as Vice President of Mathematics Association, member of career guidance cell, service test cell
  - Editor of IQAC newsletter
  - Convener of 29<sup>th</sup> graduation (2008) and 48<sup>th</sup> College Day (2018)
  - External Question Setter & Examiner: Manonmaniam Sundaranar University, Madurai Kamaraj University, Fatima College, Lady doak college, Sacred Heart College, St.Joseph College, St.Xavier College, PSG College
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