PROFILE

Name	: **DR. S. ATHISAYA PONMANI**
Designation	: Associate Professor
Department	: Mathematics
Date of Birth	: 18.05.1964
Date of Appointment	: 13.07.1992

CONTACT DETAILS

Present Addresses	: II Floor, Raja Steels Compound, Samatharmapuram, Theni - 625 531, Theni Dist.
Permanent Addresses	: 15, Harsha Nagar Near S. K. Tiles Eswari Nursing Home backside Vallioor - 627 117, Tirunelveli Dist.
Mobile	: 9865722826
Email	: athisayaponmani@yahoo.co.in

ACADEMIC

S. No.	Degree	University/Institution	Year of Completio
1.	B.Sc.	Tirunelveli Dist. Affiliated to Madurai Kamaraj University, Madurai.	1984
2.	M.Sc.	Holy Cross College, Nagercoil, Kanyakumari Dist. Affiliated to Madurai Kamaraj University, Madurai.	1986
3.	M.Phil.	St. Joseph's(Autonomous) College, Tiruchirapalli Affiliated to Bharathidasan University, Tiruchirapalli.	1988
4.	B.Ed.	Distance Education, Madurai Kamaraj University, Madurai.	1990
5.	Ph.D.	Madurai Kamaraj University, Madurai.	2009

Total Experience:
- 2years at Holy Cross College, Nagercoil.
- 27 years at Jayaraj Annapackiam College for Women (Autonomous) , Periyakulam.

Area of Specialization / Interest : Topology

Professional Affiliation:

- NSS Programme Officer (3 years)
- IQAC Co-ordinator (2 years)

- Staff club Treasurer(2 years)

- Member of Research Committee (3 years)

- Placement & Career Guidance Cell Co-ordinator

RESEARCH EXPERIENCE

Project Undertaken:

Title of the Project   : Emerging Vistas in Bitopological

Spaces Funding Agency   : UGC

Period   : 2008-2010

Amount Sanctioned   **:**Rs.1,00,000/-

Referee Services:

Journal of Advanced Research in Pure Mathematics, Haceppe Journal of Mathematics

PUBLICATIONS :

International   : 20

- ***Remarks on Ultra semi T$_{(YS)}$* Space*** in Antarctica Journal of Mathematics, Vol
  XXXIIM, No 4, 2006. PP.1757-1766. ISSN 0972 – 8643.

- ***On (1, 2) α - Hyperconnected spaces*** in International Journal of Mathematics and Analysis, Vol.3, 2006, PP. 121 – 129. ISSN 0129 - 167X.

- ***On (1, 2) α - open stes based on Bitopological Separation Axioms*** in Soochow Journal of Mathematics, Volume 33, No. 3, PP. 375 - 381, July 2007. ISSN 0250 – 3255.

- **δ*gr - Mappings associated with* δ *-generalized regular closed sets*** in Acta Ciencia Indica, Vol. XXXII M, No. 3, 1333, 2006. ISSN 0970 - 0455.

- ***Characterization of ultra separation axioms via (1,2)α - kernel*** in Lobachevskii Journal of Mathematics in 25 (2007), 217 – 229. ISSN 1818 – 9962.

- ***On Some Characterizations of Vividly and Blurly (1, 2) - β-irresolute Mappings*** in Filomat, 2007, Vol. 21, br. 2, str. 85 - 98. ISSN 0354 - 5180.

- ***On Some Low separation Axioms in Bitopological Spaces*** in Boletin da Sociedade de Matematica, Vol. 24, 1-2, 2006, PP. 69-78. ISSN 0037 - 8712.

- ***Another Form of Separation Axioms*** in Methods of Functional Analysis and Topology, Methods of Functional Analysis and Topology, Vol. 13, 2007, no. 4, PP. 380 – 385. ISSN 1029 – 3531.

- ***On Ultra α - Countable Dense Homogeneous Spaces*** in Lobachevskii Journal of Mathematics, 2008, Vol. 28, PP. 09 - 13. ISSN 1818 - 9962.

- ***A Note on Bitopological g$^{\gamma}$ - Closed Sets*** in Anale Universitatii Oradea, Tom XV, 2008, PP. 171 – 180. ISSN 1221 - 1265.

- ***Remarks on Ultra Nodec Spaces*** in Anale Universitatii de Vest, Timisoara, Seria Mathematica-Informatica, 2008, XLVI, PP. 153 - 164.   ISSN 1841 - 3293.

- ***On θ - (1, 2)- Semi-Pregeneralized Closed Sets*** in Filomat, 22:1, 2008, PP. 55 - 65. ISSN 0354 - 5180.

- ***On Some Bitopological γ - Separation Axioms*** in Cubo, a Mathematical Journal,

Vol. 10, No. 03, Oct. 2008 , PP. 137 - 144. ISSN 0716 - 7776.

- *Some Weak Separation Axioms in Bitopological Spaces* in International Journal of Mathematics Vol.3, 2009, No.2, PP. 87 - 93. ISSN 1312 - 8876.

- *A Bitopological View of γ - open sets* in Fasciculi Mathematici, Nr. 42, 2009, PP. 53 - 61. ISSN 0044 - 4413.

- *On Pre θ – open sets in Bitopological Spaces* in Antartica Journal of Mathematics, 7(5), 2010, PP. 533 - 542. ISSN 0972-8643.

- *θ - (1, 2 -)Pregeneralized closed sets* in Archimedes Journal of Mathematics, I(2), 2011, PP. 149 - 155 ISSN 2278 - 0840.

- *On (1,2)*

- *Depiction of Self Assembling Hexagonal Tile Systems and Scenarios* in Journal of Applied Science and Computations, ISSN: 0076-5131, Vol. 5, Issue 7,July 2018, pp. 374-381.

- *On M-rough Topology* in Journal of Applied Science and Computations, ISSN: 0076-5131, Vol. 5, Issue XII, December 2018.

- **Application of Soft Sets in Rough Topology** in Journal of Applied Science and Computations(JASC), ISSN :1076-5131,Impact Factor:5.8 , PP No :969-975 ,UGC Approved(41238) Volume VI, Issue III, March 2019.

National   : 06

- *On γ - Irresolute Mappings* in Oriental Journal of Mathematical Sciences, Vol. I, No.2, 2007, PP. 91 - 99.

- **On (1, 2)** *γ* **-US Spaces** in JAC journal of Science, Humanities and Management, Vol.2, No.2, June. 2015, pp. 72-81, ISSN.2347-9868.

- **On (1, 2)** *γ* **- Open Sets** in JAC journal of Science, Humanities and Management, Vol.3, N0.1, Dec. 2015, pp. 57-63, ISSN.2347-9868.

- **On γ-countable Dense Homogeneous Spaces** in the Proceedings of the National Workshop on "Research Practices in Mathematics and Computer Science"(RPMCS-2015, ISBN: 978-81-923038-8-8.

- **Application of Soft Sets in Decision Making via Rough Topology in** JAC Journal of Science ,Humanities and Management, Vol.4(2),50-61(2017) ,June 2017 ,ISSN No:2347-9868.

- **Upper Rough Topology** in JAC Journal of Science ,Humanities and Management, Vol.4(2), 62 -78 (2017),June 2017,ISSN No:2347-9868.

Guideship Details: Research Supervisor at Mother Teresa Women's University, Kodaikanal from May 2015.

Name of scholars	Date of registration	Name of University	Title	Status
Mrs. S.M. Sandhya	03.03.2016 (part-time)	Mother Teresa Women's University, Kodaikanal	Topological approach to Graph Theory	Pursuing

Seminars/Conferences/Workshops participated:
- National Workshop on E-Content Development for Effective Teaching and Learning at

Jayaraj Annapackiam College for Women(Autonomous), Periyakulam from 11/09/2014 to 13/09/2014.

- Two day state level workshop on Data Analysis Using R at Jayaraj Annapackiam College for Women, Periyakulam from 20/09/2016 to 21/09/2016

Resource Person:

- Differential equations: Horticultural College and Research Institute, Periyakulam on 06.11.2007.

- Strong and weak forms of open sets: Arul Anandar College, Karumathur, Madurai on 18.07.2010.

- Organized Intercolligiate "Seminar on Self and Society" at Jayaraj Annapackiam College for Women, Periyakulam on 05.10.2002.

- Convened State Level Seminar on "*Recent Trends in Advanced Mathematics*" at Jayaraj Annapackiam College For Women, Periyakulam on 07.12.2012.

- Delivered a lecture on "Role of Fibonacci Numbers in Optimization" at State level seminar on "*Emerging Trends in Mathematics*" on 01.03.2012 at Arul Anandar College (Autonomous), Karumathur.