

CURRICULUM VITAE

Dr. A. GNANASOUNDARI M.Sc., M.Phil., Ph.D.

Assistant Professor of Mathematics

Department of Mathematics

NGM College, Pollachi.

Mobile: 9578051267

Email: gnana.ngm@gmail.com

Google Scholar: <https://scholar.google.com/citations?user=sH4a2dYAAAAJ&hl>

ORCID: <https://orcid.org/0000-0002-8382-1511>

VIDWAN (IRINS) URL – link: <https://vidwan.inflibnet.ac.in/profile/254146>

Linkedin: <https://www.linkedin.com/in/gnana-soundari-bb5936379/>

CAREER OBJECTIVE

To pursue a challenging and rewarding academic career in Mathematics by contributing effectively to teaching, research, student development and institutional activities. To continuously enhance my academic and research expertise and contribute to the advancement of Mathematics through innovative teaching practices, academic collaboration, research publications and professional development.

PERSONAL DETAILS

Name	Dr. A. Gnanasoundari
Date of Birth	25.07.1991
Designation	Associate Professor of Mathematics
Department	Mathematics
Institution	NGM College, Pollachi
Address	Door No. 2/140, No. 10, Muthur (P.O.), Kinathukadavu
Mobile	9578051267
Email	gnana.ngm@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Institution	Year	Details
Ph.D. Mathematics	Bharathiar University	2025	Thesis: <i>A Study on Generalized Soft Multi Closed Sets and Its Applications</i>
M.Phil. Mathematics	Bharathiar University – NGM College, Pollachi	2013– 2015	Specialization: Topology
M.Sc. Mathematics	Bharathiar University – NGM College, Pollachi	2011– 2013	First Class with Distinction – Silver Medal
B.Sc. Mathematics	Bharathiar University – NGM College, Pollachi	2008– 2011	First Class with Distinction

ACADEMIC EXPERIENCE

Assistant Professor of Mathematics

Department of Mathematics, NGM College, Pollachi

Total Academic Experience: 13 Years 1 Month

Teaching and Academic Responsibilities

- Teaching Mathematics at Undergraduate and Postgraduate levels.
 - Handling courses in Topology, Calculus, Algebra, Dynamics and Mathematical Methods.
 - Mentoring and guiding students in academic and co-curricular activities.
 - Developing innovative and ICT-enabled teaching-learning practices.
 - Participating actively in research and academic activities.
 - Organizing and coordinating academic programmes, seminars and guest lectures.
 - Contributing to curriculum development and academic activities through the Board of Studies.
-

RESEARCH PROFILE

Research Area

Topology, Soft Set Theory, Soft Multiset Theory and Soft Multi Topology

Ph.D. Research

Thesis Title:

A Study on Generalized Soft Multi Closed Sets and Its Applications

Ph.D. Awarded: 04 November 2025

RESEARCH PUBLICATIONS

2025

1. Soft Multi Filters

Inthumathi, V., Gnanasoundari, A. & Maheswari, M.

Indian Journal of Natural Sciences, 2025, **16(92)**, 100914–100922.

2. Generalized Soft Multi Functions

Inthumathi, V., Gnanasoundari, A. & Maheswari, M.

Indian Journal of Science and Technology. Accepted.

2024

3. Generalized Soft Multi Connectedness and Compactness

Inthumathi, V., Gnanasoundari, A. & Maheswari, M.

Ratio Mathematica, Vol. 51, 2024.

2023

4. Generalized Semi Operators in Soft Multi Topological Spaces

Inthumathi, V., Gnanasoundari, A. & Maheswari, M.

Indian Journal of Natural Science, Vol. 14, No. 8, 2023, pp. 64295–64302.

2022

5. Generalized Semi Closed Soft Multisets

Inthumathi, V., Gnanasoundari, A. & Maheswari, M.

Journal of Xidian University, Vol. 16, No. 8, 2022, pp. 234–243.

2018

6. On Weakly $\tilde{g}$ -Closed Mappings and Weakly $\tilde{g}$ -Homeomorphisms in Intuitionistic Fuzzy Topological Spaces

Gnanasoundari, A.

Journal of Computer and Mathematical Sciences, **Volume 9**, 2018.

CONFERENCE PROCEEDINGS

2024

On Separation Axioms on Soft Multi Topological Spaces

Two-Day National Conference on *Deep Learning & Computer Interaction for Sustainability – DLCIS'24*, organized by the Department of Computer Applications, NGM College, Pollachi, 10–11 January 2024.

2023

Generalized Semi Operators in Soft Multi Topological Spaces

International Conference on *Blooming Fuzzifier Logic (ICBFL-2023)*, Department of Mathematics, Chikkanna Government Arts College, Tirupur, 23–24 August 2023.

Matrices on Soft Multisets and Its Applications

International Conference on *Mathematical Modelling (ICMM-2023)*, Department of Mathematics, Bharathiar University, Coimbatore, 27–28 January 2023.

2020

Application of Intuitionistic Fuzzy Multisets in an Investment Decision Making Problem

Gnanasoundari, A., V. Inthumathi

Conference Proceedings: *International Conference on Mathematical Modeling (ICMM-2023)*

Year: 2020

Page: 67

2015

1. On $\tilde{g}$ -Closed Sets, $\tilde{g}$ -Continuity and $\tilde{g}$ -Closed Mapping in Intuitionistic Fuzzy Topological Spaces

Gnanasoundari, A., M. Thirumalaiswamy

Conference Proceedings: *International Conference on Innovative Challenges in Multidisciplinary Research and Practice of Mathematics*

Year: 2015.

2. On $\tilde{g}$ -Homeomorphisms in Intuitionistic Fuzzy Topological Spaces

M. Thirumalaiswamy and A. Gnanasoundari

UGC Sponsored National Seminar on Recent Developments in Topology

Year: 2015.

3. Intuitionistic Fuzzy $\tilde{g}$ -Connectedness and Intuitionistic Fuzzy $\tilde{g}$ -Compactness

M. T. A. Gnanasoundari

National Seminar on Modern Techniques and Applications in Mathematics

Year: 2015.

ACADEMIC AND INSTITUTIONAL RESPONSIBILITIES

Year	Position / Responsibility
2013	Member, Board of Studies
2013	Organizing Committee Member for Guest Lectures and Seminars
2020	Member, Indian Mathematical Society (IMS)
2021	Innovation Ambassador, Institution Innovation Council (IIC)
2022	Member, Graduation Day Registration Committee
2023	Member, Students Cooperative Society
2024	RRC Coordinator

PARTICIPATION IN CONFERENCES / WORKSHOPS / FDPs / SEMINARS

2026

- Participated in the 5- day Virtual International FDP on Teaching and Research Beyond Boundaries, Govindammal Aditanar College for Women, Tiruchendur, 01.06.2026 to 05.06.2026.

2025

- Successfully completing the open online transdisciplinary course on Innovation, Entrepreneurship and venture development offered in association with Atal Incubation centre, Sri Krishnadevaraya University, Sep 2025.
- Participated One week FDP on Artificial Intelligence and Its Applications in Multidisciplinary conducted by the Apollo university, Chittoor from 10.03.2025 to 15.05.2025

2023

- Participated in National Level Workshop on **“Recent Trends of Artificial Intelligence in Mathematics”**, PG & Research Department of Mathematics, Gobi Arts & Science College, Gobichettipalayam, 10 March 2023.

2022

- Participated in Two-Day Hands-on Training on **“Effective Teaching of Mathematics Using Python”**, PSG Institute of Technology and Applied Research, Coimbatore, 15–16 December 2022.

2021

- Participated in **Science Academies Refresher Course in Differential Equations and Its Applications**, Department of Mathematics, Dr. N.G.P. Arts and Science College, Coimbatore, 11–26 August 2021.
- Participated in Faculty Development Programme on **“Maha Mantras for Versatile Faculty”**, Department of Mathematics, Sree Narayana Guru College, Coimbatore, 13 September 2021.
- Participated in International Webinar on **“Cyber Security in Middle East”**, Department of Computer Science, NGM College, Pollachi, 3 September 2021.
- Participated in Webinar on **“Research Fellowships in India”**, Research Cell, Sri Sarada College for Women, Salem, 29 July 2021.
- Participated in One-Week Faculty Development Programme on **“Recent Trends in Applications of Mathematics (RTAM)”**, Department of Freshman Engineering, Tirupati, 12–17 July 2021.
- Participated in UGC-Sponsored Webinar on **“Artificial Intelligence”**, Department of Mathematics, NGM College, Pollachi, 31 August 2021.

- Participated in Seven-Day International Level Online Faculty Development Programme on “**Research Perspectives on New Age Technologies**”, Department of Computer Science (SF), NGM College, Pollachi, 3–10 August 2021.
-

TECHNICAL SKILLS

- **Programming:** C, C++
 - **Mathematical Typesetting:** LaTeX
 - **Mathematical Software:** GeoGebra
 - **ICT Tools:** Mentimeter, Kahoot, Google Classroom
 - **Office Applications:** MS Word, MS PowerPoint, MS Excel
 - **Digital and ICT-Enabled Teaching**
-

PROFESSIONAL SKILLS

- Teaching and Learning
 - Mathematical Problem Solving
 - Research and Analytical Skills
 - Research Paper Writing
 - Academic Presentation
 - Student Mentoring and Counselling
 - Curriculum and Lesson Plan Development
 - ICT-Enabled Teaching
 - Academic Coordination
 - Seminar and Conference Organization
 - Teamwork and Institutional Coordination
-

PROFESSIONAL STRENGTHS

- Ph.D. in Mathematics with specialization in Soft Multi Topology.
 - More than **13 years of academic teaching experience.**
 - Research experience in Topology, Intuitionistic Fuzzy Topology, Soft Multisets and Soft Multi Topological Spaces.
 - Research publications in journals and conference proceedings.
 - Presented research papers at national and international conferences.
 - **Member of the Indian Mathematical Society since 2020.**
 - **Innovation Ambassador, Institution Innovation Council (IIC).**
 - **RRC Coordinator since 2024.**
 - Experience in organizing guest lectures, seminars and academic programmes.
 - Experience in curriculum-related activities through the Board of Studies.
 - Strong commitment to innovative teaching, student mentoring and research.
-

DECLARATION

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.

Place: Pollachi

Date:

Dr. A. GNANASOUNDARI
Assistant Professor
Department of Mathematics
NGM College, Pollachi