

## Patents

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Ceon, Y. P.	Method for Optimizing Edge-Based AI Model Deployment Using Dynamic Resource Allocation System	Indian Patent Office	2025	Utility Patent, Publication Date: 05-09-2025

## Publications

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Ramani, R. G.	A survey on anatomization of pushdown automata in robotics	AIP Conference Proceedings	2025	Vol. 3291, Issue 1 (Scopus)
2	Vinitha, R.	Stability analysis of implicit fractional differential equations with Hilfer-Katugampola derivatives	Mathematics in Engineering, Science and Aerospace	2024	Vol. 15, Issue 3, pp. 991-1002 (Scopus)
3	Krishnaveni, V.	MHD Mixed Convection Inside Double-wall-driven Enclosure Containing Ag-water Nanofluid and Center Heater	Journal of Applied Nonlinear Dynamics	2024	Vol. 13, Issue 1, pp. 49-63 (Scopus)
4	Kavitha, P. R.	Structure and opto-electronic properties of MgO nanocrystals calculated by GGA approximation	Journal of Ovonic Research	2023	Vol. 19, Issue 3, pp. 265-273 (Scopus)
5	Ceon, Y. P.	Selection of Best Social Media Using Group Decision with Picture Fuzzy Graphs	Journal of Physics: Conference Series	2021	Vol. 1947, Issue 1 (Scopus)

## Conferences

<b>S.No.</b>	<b>Author(s)</b>	<b>Title / Topic</b>	<b>Publisher / Organizer / Journal</b>	<b>Year</b>	<b>Additional Details</b>
1	Ramani, R. G.	An overview of vedic mathematics in accounts and finance	Dr. NGP Arts and Science College	2024	ISBN: 978-81-971000-5-5
2	Ramani, R. G.	A Study on a Strategic Approach to Enhancing Sustainable Development via Mathematics in Economic Aspects	Aditanar College of Arts and Science	2025	ISBN: 978-93-94293-97-7
3	Ramani, R. G.	A Study Concerning the Analysis of the merging of Differential equations and Artificial Intelligence in Scientific Computing	Dr. SNS Rajalakshmi College of Arts and Science (ICEGMICL 2025)	2025	ISBN: 978-81-986245-7-4
4	Ramani, R. G.	Impact of Unhealthy Environment	Aditanar College of Arts and Science	2025	ISBN: 978-93-94293-68-7
5	Nirmala, J.	An overview of vedic mathematics in accounts and finance	Dr. NGP Arts and Science College	2024	ISBN: 978-81-971000-5-5
6	Nirmala, J.	A study on recent trends in science and technology development	Aditanar College of Arts and Science	2025	ISBN: 978-93-94293-97-7
7	Nirmala, J.	An innovative application of minimal spanning trees in cryptography	AJK College of Arts and Science (IMCISMRSS - 2025)	2025	ISBN: 978-81-985022-6-1
8	Ceon, Y. P.	Binding Nature-Based Solutions for Water Management: Innovations and Future Prospects	Aditanar College of Arts and Science	2025	ISBN: 978-93-94293-97-7
9	Ceon, Y. P.	Mathematical Modelling of Robotic Motion in Math Education	United College of Arts and Science	2025	ISBN: 978-93-6126-295-1
10	Ceon, Y. P.	Robust Optimization Approaches for Uncertain Biological Network Data	Sriramakrishna College of Arts and Science for Women	2023	ISBN: 978-93-5635-850-8

<b>S.No.</b>	<b>Author(s)</b>	<b>Title / Topic</b>	<b>Publisher / Organizer / Journal</b>	<b>Year</b>	<b>Additional Details</b>
11	Muthumani, R.	The Vedic Mathematics system	Dr. N.G.P. Arts and Science College	2025	ISBN: 978-93-49348-76-9
12	Muthumani, R.	AI & Emotional Intelligence	Dr. SNS Rajalakshmi College of Arts and Science (ICEGMICL 2025)	2025	ISBN: 978-81-986245-7-4
13	Muthumani, R.	Bridging Mathematics and AI	AJK College of Arts and Science (IMCISMRSS - 2025)	2025	ISBN: 978-93-344-4715-6
14	Muthumani, R.	Algebra: Foundations, Innovations and Real Life Applications	St. Joseph College of Arts and Science for Women (ICMMA-2025)	2025	ISBN: 978-93-343-8629-5
15	Vinitha, R.	Application of Fuzzy Matrix Composition in Intelligent Medical Diagnosis	AJK College of Arts and Science (IMCISMRSS - 2025)	2025	ISBN: 978-93-344-4715-6
16	Vinitha, R.	Existence and Uniqueness Results for Fuzzy $\psi$ -Hilfer Fractional Delay Differential Equations with Stability Analysis	Reva University (ICRTACM-2025)	2025	ISBN: 978-93-344-4942-6
17	Vinitha, R.	Analysis of vertex and edge coloring in intuitionistic fuzzy graphs	St. Joseph College of Arts and Science for Women (ICMMA-2025)	2025	ISBN: 978-93-343-8629-5
18	Vinitha, R.	Fuzzy Optimization of Food Grain Production in India: A Quantitative Analysis	Aditanar College of Arts and Science	2025	ISBN: 978-93-94293-97-7
19	Vinitha, R.	AI for Sustainability: Innovation and Solutions for a Greener Future	Nehru College of Arts and Science	2025	ISBN: 978-93-6163-956-2

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20	Kalaiselvi, D.	Study of Linear Differential Equations in Blurred Environments	Dr. SNS Rajalakshmi College of Arts and Science (ICEGMICL 2025)	2025	ISBN: 978-81-986245-7-4
21	Kalaiselvi, D.	A Study of Integrable Difference Equation Solutions for a certain Class	St. Joseph College of Arts and Science for Women (ICMMA-2025)	2025	ISBN: 978-93-343-8629-5
22	Padmavathi, C.	Neutrosophic Fuzzy Ideal at Near Rings of $M\Gamma$ Groups and its Residue Product of a Strong Graph	Gobi Arts and Science College	2025	ISBN: 978-93-49188-27-3
23	Padmavathi, C.	Neutrosophic Fuzzy Ideal at Near Rings of $M\Gamma$ Groups and its Maximal Product of a Graph	Nirmala College for Women	2024	ISBN: 978-81-969743-3-6
24	Padmavathi, C.	Graph of Neutrosophic Fuzzy Ideal of $M\Gamma$ Groups in Near Rings	Reva University (ICRTACM-2025)	2025	ISBN: 978-93-344-4942-6
25	Kavitha, P. P.	On quasi chi alpha g -open functions in topological spaces	Arul Anandar College	2025	ISBN: 978-81-985379-4-2
26	Kavitha, P. P.	Model Neural processing of symptom-disease associations using fuzzy graphs	VET Institute of Arts and Science	2025	ISBN: 978-93-49188-31-0
27	Parimala, P. M.	Numerical Simulations Reveal How Nonlinear Heat Source-Sink Terms and Fourier-Based Heat Flux Alter the Thermal Response of a Ternary Hybrid Nanofluid Traversing a Disk	AJK College of Arts and Science (IMCISMRSS - 2025)	2025	ISBN: 978-81-985022-6-1
28	Parimala, P. M.	Encryption and decryption using graph theory	St. Joseph College of Arts and Science for Women (ICMMA-2025)	2025	ISBN: 978-93-343-8629-5

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29	Parimala, P. M.	Stochastic MCDM/A Methods can be applied to rank different redesign alternatives of a distribution system	Reva University (ICRTACM-2025)	2025	ISBN: 978-93-344-4942-6
30	Parimala, P. M.	Slip flow of half and half based ternary hybrid nano fluid over a moving thin inclined needle with inclined Lorentz Force	Nehru College of Arts and Science	2025	ISBN: 978-93-6163-956-2
31	Parimala, P. M.	Comparison between M/M/1 and M/D/1 Queuing models to vehicular traffic	RVS College of Arts and Science	2024	ISBN: 978-93-6143-220-0

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S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Kalaiselvi, D.	Applications of Statistics	-	2025	Professional Development/Certification, 10/06/2025, Certificate No: LD-20250166316
2	Kavitha, P. R.	Latex software for documentation	-	2025	Professional Development/Certification, 03/06/2025, Certificate No: LD-20250165875