ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt of AP, Affiliated to JNTUK, Kakinada)

An ISO 9001 : 2008 Certified Institution

Govt Polytechnic Post, ITI Road, ALC Campus, Near Ramesh Hospital, Vijayawada-8

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FACULTY PROFILE

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Name of the Faculty	**Dr. Leelavathi Rekapalli**	
Designation	**Assistant Professor**	
Department	**Science & Humanities**	
Date of Joining the Institution	**04-02-2021**	
Qualification with Class/Grade	**UG: B.sc (1ST CLASS) , M.Sc Mathematics (Distinction) Ph.D.**	
	Thesis title: Some Studies on Existence and Uniqueness Criteria for Fuzzy Nabla Dynamic Equations on Time Scales	
Employee ID	**ALIET-21-11**	
E-Mail	**drrlv2021@aliet.ac.in** **leelaammu36@gmail.com**	

Total Experience in Years	**Teaching:9.8years**	**Industry: 0 years**	**Research:07**
Papers Published	**National: ---00**	**International: 07**	
Papers presented in Conferences	**National: 03**	**International: 02**	
PhD Guide? Give field & University	**Field: ---**	**University: --**	
PhDs / Projects Guided	**PhDs: 00**	**Projects at Masters Level: 00** **Projects at UG Level: 00**	
Books Published/IPRs/Patents	**1**		
Professional Memberships	**---IAENG**		
Consultancy Activities	**---**		
Awards	**---**		
Grants fetched	**---**		
Whether Ratified by University (Yes/No)	**No**		

Experience in other Institutions: 7.6 years old

List of Publications (Journal/Conference/book): 06

S. No.	Authors	Title of the Research paper	Name of the Journal	Volume No.	Issue No.	Page Nos.	Year of publication
1	Leelavathi Rekapalli	Nabla Integral for Fuzzy Functions on Time Scales. **(SCOPUS)**	International Journal of Applied Mathematics	Vol. 31,	Issue 5	669 - 678.	2018
2	Leelavathi Rekapalli	Nabla Hukuhara Differentiability for Fuzzy Functions on Time Scales. **(SCOPUS)**	IAENG International Journal of Applied Mathematics	Vol. 49	Issue 1	114-121	2019
3	Leelavathi Rekapalli	Existence uniqueness of solutions for fuzzy nabla initial value problems on time scales. 269. doi.org/ 10.1186/s13662-019-2201-6. **(SCI AND SCOPUS)**	Advances in Difference Equations	269			2019
4	Leelavathi Rekapalli	Characterization Theorem for Fuzzy Functions on Time Scales under Generalized Nabla Hukuhara Difference. **(SCOPUS)**.	International Journal of Innovative Technology and Exploring Engineering	Vol-8	Issue 2	1104-1106	2020
5	Leelavathi Rekapalli	Second type nabla Hukuhara differentiability for fuzzy functions on time scales **(SCI AND SCOPUS)**	Italian Journal of Pure and Applied Mathematics	Vol.43	No 65.	115-120	2020

| 6 | Leelavathi Rekapalli | Generalized Nabla differentiability and integrability for fuzzy functions on time scales. **(SCI AND SCOPUS)** | MDPI Axioms | Vol-9 | 65 | | 2020 |
| 7 | Leelavathi Rekapalli | THERMOPHORESIS AND BUOYANCY EFFECTS ON CHEMICALLY REACTIVE UPPER CONVECTED MAXWELL FLUID FLOW INDUCED BY AN EXPONENTIALLY STRETCHING SHEET: APPLICATION OF CATTANEO-CHRISTOV HEAT FLUX | Frontiers in Heat and Mass Transfer | 17 | DOI : 10.5098/hmt.17.23 | Global Digital Central ISSN: 2151-8629 | 2021 |

Book Publications: Existence and Uniqueness Criteria for Fuzzy Nabla Dynamic Equations on Time Scales.

List of Faculty development Programs/ workshops/seminars and Conferences:

1. Participated in the Two-day faculty development Program conducted by IQAC on 6th and 7th June 2013 in Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada.

2. Presented a paper in National Conference on "Applications of Mathematics in Engineering, Physical

and Life Sciences" (AMEPLS-2013) conducted on 3rd and 4th Aug 2013, organized by department of Mathematics, KLEF, Guntur.

3. Participated in the National Conference on "Applications of Mathematics in Engineering, Physical and Life Sciences" (AMEPLS-2014) conducted on 29th and 30th Dec 2014, organized by department of Mathematics, KLEF, Guntur.

4 Presented a paper in National Conference on "Applications of Mathematics in Engineering, Physical and Life   Sciences" (AMEPLS-2015) conducted on 9th and 10th Dec 2015, organized by department of Mathematics, KLEF, Guntur.

5. Presented a paper in NBHM sponsored National conference on : Women in Mathematics with Special Reference to LILAVATI organized by department of Mathematics, Maris Stella College, Vijayawada.

6. Presented a paper in National Conference on "Applications of Mathematics in Engineering, Physical and Life Sciences" (AMEPLS-2016) conducted on 4th and 5th Aug 2016, organized by department of Mathematics, KLEF, Guntur.

7. Participated in "National Symposium on Intellectual Property Rights (IPRs) conducted on 25th and 26th oct 2017at KL University.

8. Presented a paper in National Conference on "Essence of Mathematics and Engineering Applications" on 17th and 18th NOV 2017, organized by department of Mathematics, KLEF, Guntur.

9. Presented a paper in National Conference on "Essence of Mathematics and Engineering Applications" on 14th and 15th DEC 2018, organized by department of Mathematics, KLEF, Guntur.

10. Participated in International conference on "Advances & Applications in Mathematics, Statistics & Computer Science" 1st and 2nd Nov 2019, at Andhra Loyola College, Vijayawada.

11. Participated in Webinar on "A systematic Statistical Approach for optimal solutions of Industrial Problems" conducted by department of Mathematics, KLEF on 5th June 2020.

12. Attended Five-day workshop on "Mathematical Approaches in Science And Engineering" from 8th to 12th Feb 2021 organized by Department of Mathematics, KLEF, Guntur.

Other Contributions:
1. **Reviewer for Asian Journal of Mathematics.**
2. **Fuzzy Sets and Systems.**