S. Lalithambigai

Assistant Professor

Department of Mathematics

School of Mathematics

Mobile No: 9994807996

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Educational Qualifications	: M. Sc., Ph. D.
Professional Experience	: 8 years

FIELD OF SPECIALIZATION

- **Functional Analysis**

RESEARCH SPECIALIZATION

- **Best approximation in Banach spaces**
- **Geometry of Banach spaces**

Research Supervision:

Program	Completed	Ongoing
Ph.D		2
M.Phil	21	1

PROFESSIONAL EXPERIENCE

No	Institution	Position	From (date)	To (date)	Duration
1	Madurai Kamaraj University	Assistant Professor	19-04-10	Till date	8 years

RESEARCH COLLABORATION (BOTH NATIONAL & INTERNATIONAL)

Name of the Collaborator	Institute	Collaboration Details	Collaboration Output
Prof. G. Godefroy	University Paris VI, France	Research collabration	
Prof. Bor- Lun Lin	Iowa University, USA	Research collabration	1 paper
Prof. P. Shunmugaraj	IIT Kanpur	Research collabration	1 paper
Prof. T. Paul	IIT Hyderabad	Research collabration	1 paper
Prof. C.R. Jayanarayanan	IIT Palakkad	Research collabration	1 paper
Prof. V. Thota	NIT Thrichy	Research collabration	1 paper

COMPLETED RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant in Rs.	Year
1	Proximinal Problems in Banach spaces	DST-SERB	4,20,000	2013-2016

HONORS/AWARDS/RECOGNITIONS

- **2012** – Young Scientist award from DST Fast Track Scheme

- **2003** - CSIR Fellowship with National Eligibility as Lecturer
- **2000** - Chennai Mathematical Institute Visiting Research Fellowship.
- **2000** - GATE 2000 (57th Rank).
- **2000 -** Gold Medal , Dr. Shankar Dhayal Sharma award for M.Sc.
- **1998 -** NBHM fellowship during M.Sc.

PUBLICATIONS

- Fixed point theorem for weakly C-contractive type mapping on complex valued metric spaces (With J. Gnanaraj and S. Gopinath), to appear in International Journal of Pure and Applied Mathematics.

- Chebyshev centers and some geometric properties of Banach spaces (With T. Paul, P. Shunmugaraj and V. Thota) , Journal of Mathematical Analysis and Applications, 2017, 449, 926-938

- Strong ball proximinality and continuity of metric projection in L1-predual spaces (With C.R. Jayanarayanan), Journal of Approximation Theory, 2017, 213, 120-135.

- Strong convergence for Hybrid implicit S-Iteration scheme of nonexpansive and asymptotically demicontractive mappings(With S. Gopinath and J. Gnanaraj), International J. Functional Analysis, Operator Theory and Applications, 2017, 9(1), 1-15.

- Strong Convergence for Hybrid S-Iteration Scheme of Nonexpansive and Asymptotically Demicontractive Mappings (With S. Gopinath and J. Gnanaraj), International Journal of Pure and Applied Mathematics, 2016, 110(1), 153-163.

- Ball Ball Proximinal Banach Spaces (with V. Indumathi), Journal of Convex Analysis, 18(2011), pp353-356.

- Ball Proximinality of Equable Spaces, Collectanea Mathematicae, 60(2009), pp. 79-88

- Ball Proximinality of closed $*$ subalgebras of $C(Q)$ (with V. Indumathi and Bor-Luh Lin), Extracta Mathematicae, 22(2007), pp. 1-17.

- A new proof of Proximinality for M - ideals (with V. Indumathi), Proceedings of AMS, 135(2007), pp.1159-1162.

- Semicontinuity of Metric Projections in c_0 - Direct Sums (with D. Narayana), Taiwanese Journal of Mathematics, 10(2006), pp. 1245-1259.

CONTACT

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