

CURRICULUM VITAE

LEVIN THOMAS

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Google scholar link: <https://scholar.google.com/citations?user=YBucFAcAAAAJ&hl=en>

SUMMARY

- **Eleven years** of research and teaching experience in translational research, pharmacogenomics, clinical pharmacology, and pharmacy practice. Resourceful problem-solver and motivated team player with proven ability to quickly resolve challenging workplace situations. History of building lasting relationships with supervisors, collaborators, and co-workers.
- Major areas of expertise include pharmacogenomic screening of drug metabolism enzymes and drug transporters from clinical samples of tuberculosis (TB) and cancer patients, DNA extraction, adverse drug reaction monitoring, narrative and systematic reviews, and drug-drug interaction identification and screening.
- PhD thesis: *Integrating pharmacogenomics and population pharmacokinetic analysis for precision therapy of isoniazid in TB patients* (PhD defense presentation completed on January 4, 2025).
- Funding sources for PhD:
 - i. Indian Council of Medical Research (ICMR), the Government of India, to Dr. Mahadev Rao (PhD guide).
 - ii. Senior Research Fellowship (SRF)-Direct from ICMR, Government of India.
 - iii. Dr TMA Pai PhD Scholarship from Manipal Academy of Higher Education (MAHE).
 - iv. MAHE contingency grant.
- Author of 23 publications in peer-reviewed journals, including six as primary author and 17 as co-author and two book chapters.
- Research focused on identifying pharmacogenomic biomarkers for improving drug treatment and designing precision therapies, with subsequent translation to clinical practice, primarily in TB and cancer.

EDUCATION

Degree	Year	College	University	Grade
PhD	2018-2025	Manipal College of Pharmaceutical Sciences (MCOPS), Manipal, Karnataka, India	Manipal Academy of Higher Education (MAHE), Manipal, Karnataka, India	-
M.Pharm	2011-2013	College of Pharmaceutical Sciences, Government Medical College, Thiruvananthapuram, Kerala, India	Kerala University of Health Sciences (KUHS), Thrissur, Kerala, India	77%
B.Pharm	2006-2010	St. John's Pharmacy College, Bengaluru, Karnataka, India	Rajiv Gandhi University of Health Sciences (RGUHS), Bengaluru, Karnataka, India	78%

EXPERIENCE

Position	Year	College
Assistant Professor & Clinical Preceptor	2013-2018	Al Shifa College of Pharmacy, Perinthalmanna, Kerala, India

AWARDS & ACHIEVEMENTS

- ❖ **Best Oral Presentation Award** at 63rd Annual Conference of National Academy of Medical Sciences (NAMSCON) 2023, Bengaluru, Karnataka, India
- ❖ **Full Sponsorship for Oral Presentation** for 9th Global TB Portals Consortium held at Baku, Azerbaijan in 2023 by NIH/NIAID, USA
- ❖ **Student Travel Award** by Manipal Center for Infectious Diseases (MACID) to attend 63rd NAMSCON 2023, Bengaluru, Karnataka, India
- ❖ **Full Sponsorship** to attend the 8th Global TB Portals Consortium held at Munich, Germany in 2022 by NIH/NIAID, USA
- ❖ **Best Poster Presentation Award** at the Second annual national convention of ISPOR India, Karnataka regional chapter, 2015, Manipal, Karnataka, India
- ❖ **Best Poster Presentation Award** at *Pharma Conciencia 2014*, Thiruvananthapuram, Kerala, India
- ❖ **Best Poster Presentation Award- 64th Indian Pharmaceutical Congress (IPC) 2012**, Chennai, Tamil Nadu, India
- ❖ Qualified **Graduate Aptitude Pharmacy Test [GPAT]** (national-level entrance exam for admission to post-graduate pharmacy courses with fellowship) in 2010
- ❖ Qualified **Kerala State Government entrance examination** for admission to Master in Pharmacy courses in 2011

MAJOR FIVE RECENT PUBLICATIONS

1. **Thomas L**, Raju AP, Chaithra S, Kulavalli S, Varma M, Sv CS, Baneerjee M, Saravu K, Mallayasamy S, Rao M. Influence of N-acetyltransferase 2 polymorphisms and clinical variables on liver function profile of tuberculosis patients. *Expert Review of Clinical Pharmacology*. 2024;17(3):263-274.
2. **Thomas L**, Raju AP, Chaithra, M SS, Varma M, Saravu K, Banerjee M, Sv CS, Mallayasamy S, Rao M. Influence of N-acetyltransferase 2 (NAT2) genotype/single nucleotide polymorphisms on clearance of isoniazid in tuberculosis patients: a systematic review of population pharmacokinetic models. *European Journal of Clinical Pharmacology*. 2022;78(10):1535-1553.
3. **Thomas L**, Sekhar Miraj S, Surulivelrajan M, Varma M, Sanju CSV, Rao M. Influence of Single Nucleotide Polymorphisms on Rifampin Pharmacokinetics in Tuberculosis Patients. *Antibiotics (Basel)*. 2020;9(6):307.
4. Rao M, Wollenberg K, Harris M, Kulavalli S, **Thomas L**, Chawla K, Shenoy VP, Varma M, Saravu K, Hande HM, Shanthigrama Vasudeva CS, Jeffrey B, Gabrielian A, Rosenthal A. Lineage classification and antitubercular drug resistance surveillance of Mycobacterium tuberculosis by whole-genome sequencing in Southern India. *Microbiology Spectrum*. 2023;11(5):e0453122.
5. Kolesar J, Peh S, **Thomas L**, Baburaj G, Mukherjee N, Kantamneni R, Lewis S, Pai A, Udupa KS, Kumar An N, Rangnekar VM, Rao M. Integration of liquid biopsy and pharmacogenomics for precision therapy of EGFR mutant and resistant lung cancers. *Molecular Cancer*. 2022;21(1):61.

REFERENCE

Dr. Mahadev Rao, PhD

Professor, Department of Pharmacy Practice

Coordinator- Centre for Translational Research

Principal Investigator (India)- TB Portals

Co-founder, Global Cancer Consortium

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