

DESCRIBING THE LANDSCAPE OF LYMPHATIC FILARIASIS RESEARCH IN INDIA

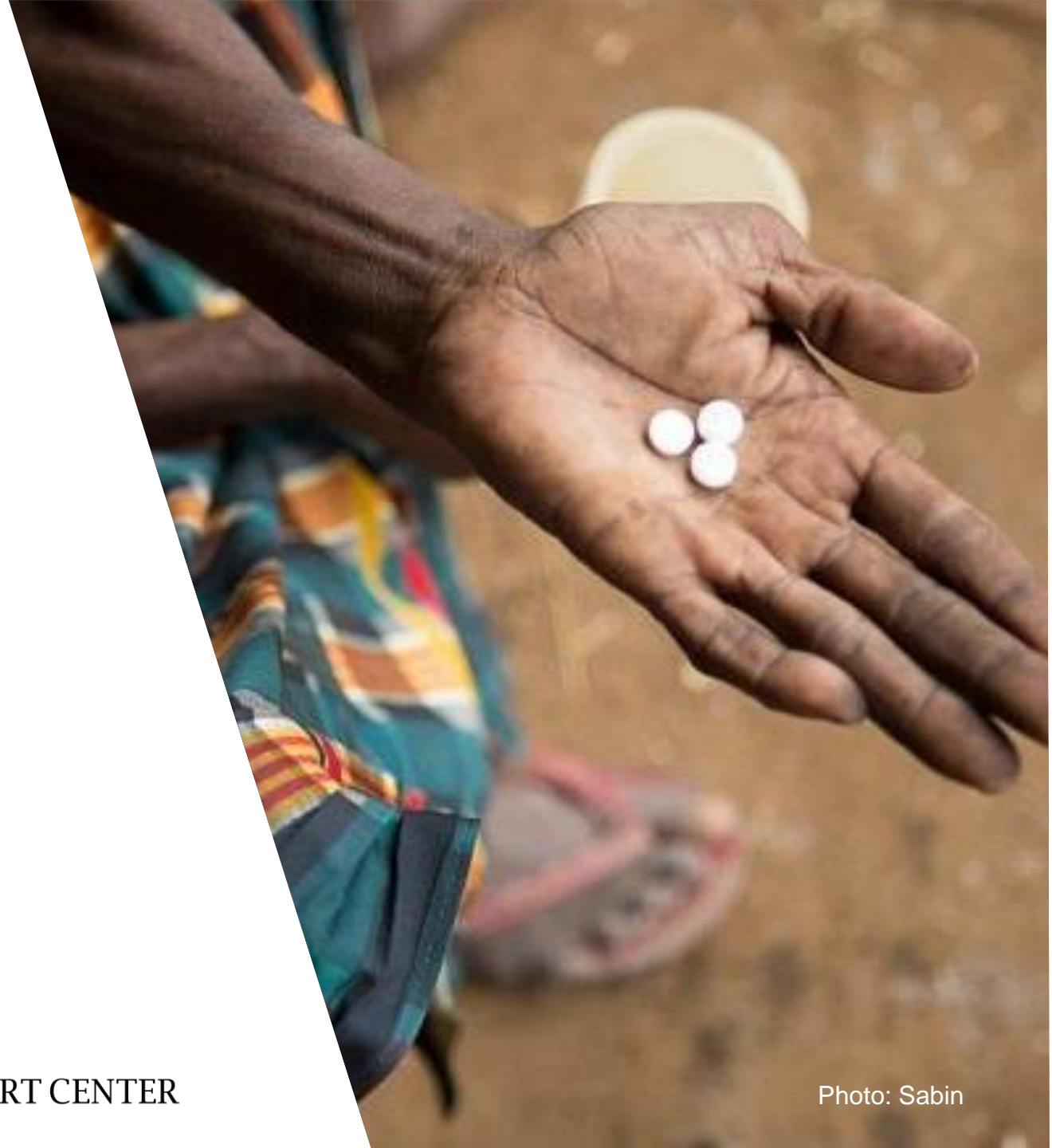
Helena Archer, Mohamed Albirair, Alison Wiyeh, Barclay Stewart
January 28, 2020



START CENTER
STRATEGIC ANALYSIS,
RESEARCH & TRAINING CENTER

MEETING AGENDA

- Project Review
- Review of Literature Database
- Review of Dashboard
- Review of Directory
- Main Findings
- Next Steps
- Questions and Discussion



PROJECT TEAM



Helena Archer

MPH Student, Epidemiology
Project Manager



Mohamed Albirair, MBBS, MPH

PhD Student, Global Health
Research Assistant



Alison Wiyeh, MD, MSc

PhD Student, Epidemiology
Research Assistant



Barclay Stewart, MD, PhD, MPH

Surgery, Public Health
Faculty Lead

PROJECT REVIEW

OBJECTIVE: To describe the landscape of Indian research directly related to lymphatic filariasis, and to identify key Indian organizations and experts on the topic.

KEY RESEARCH OBJECTIVES



To systematically search published and grey literature on lymphatic filariasis research conducted in India.



To map and describe the current landscape of lymphatic filariasis research, with emphasis on foundation priority areas.



To identify Indian researchers and organizations currently working on lymphatic filariasis in India.

PROJECT DELIVERABLES

1

Indexed database of literature on LF research conducted in India organized by date, authors, geographic location and “bucket.”

2

Visualizations of the research landscape that highlights the results of the published literature review.

3

Directory of key actors and organizations currently active in LF in India, based on grey literature review.

A photograph of a person's hands and feet, likely a woman, wearing traditional Indian attire. The hands are adorned with red bangles and are positioned near a piece of fabric with a blue and white pattern. The feet are also adorned with red bangles and are positioned near a piece of fabric with a blue and white pattern. The background is a dark blue overlay with the text "SEARCH RESULTS AND INDEXING STRATEGY – PUBLISHED LITERATURE" in white, bold, uppercase letters.

SEARCH RESULTS AND INDEXING STRATEGY – PUBLISHED LITERATURE

SEARCH STRATEGY

WORD	TERMS
Filariasis	Lymphatic Filariasis, Elephantiasis, Wuchereria bancrofti, Brugia malayi, Bancroftian Filariasis, Filariasis Malayi, Wuchereriosis, Malayi Tropical Eosinophilia, Brugia timori
India	India, Hindustan, Bharat

DATABASE	RESULTS
PubMed	1429
EmBase	81
CENTRAL	392
Total Articles	2,016 after de-duplication
Reviewed	881 Reviewed, 736 included (84%) from Jan. 1st, 2009- Oct 25, 2019

INCLUSION CRITERIA:

- Published after 1970*
 - AND
- Research conducted in India, or by Indian institutions
 - AND
- Research on lymphatic filariasis specifically

AUTHOR MATCHING STRATEGY:

- To get additional information on authors using profiles from SCOPUS, included articles were matched on title and digital object identifier (DOI).
 - 575 (78%) of articles matched successfully

**reviewed after 2009*

ORGANIZATION OF PUBLISHED LITERATURE: “BUCKETS”

LF Research
in India

Level 1

Etiology

Epidemiology

Disease

Diagnostics

Prevention

Management

Others

Level 2

Vectors

Parasites

Risk factors

Disease burden

Signs/symptoms

Atypical cases

Vector control

MDA

Selective treatment

MMDP

Level 3

Mapping

Campaign

Stopping Decisions

Post-MDA Surveillance

Post-validation surveillance

Situation analysis

Implementation

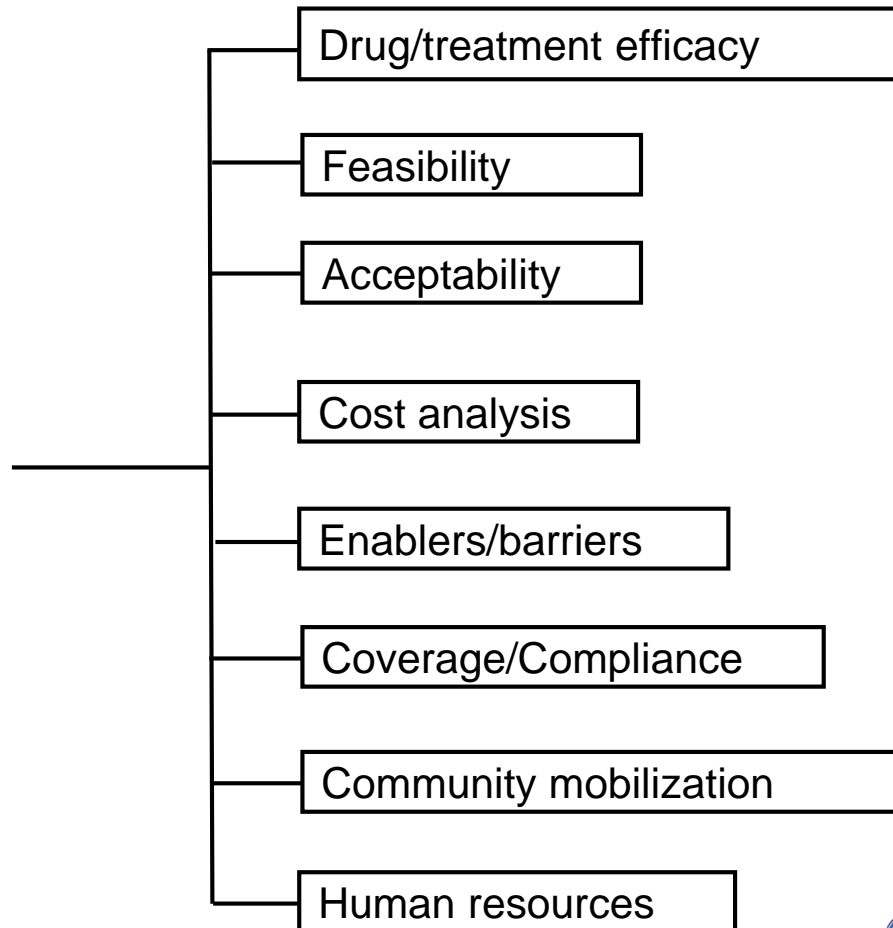
Integration into
health services



START CENTER

ORGANIZATION OF LITERATURE, CTD.

Implementation Categories (for MDA and MMDP only)



ADDITIONAL TAGS FOR AREAS OF SPECIAL INTEREST:

- Ayurvedic medicine
- TAS/Pre-TAS
- Coverage validation surveys
- Filarial control units
- Entomology
- Triple drug therapy
- Review articles

GEOGRAPHY (STATE/TERRITORY):

If stated in the title/abstract review, the province in which the research took place* was noted. National or multiple province-level studies were noted as such.

**Location of institution is captured in the author supplement.*

A photograph of a person's legs and feet, wearing a vibrant, multi-colored sarong with patterns of blue, green, yellow, and red. The person is sitting on a thick, weathered wooden plank. Their feet are visible, with one foot showing a small red mark on the toe. The background is dark and out of focus.

OVERVIEW OF DELIVERABLES 1 AND 2

DELIVERABLE 1:

INDEXED LITERATURE DATABASE

B	C	D	I	J	K	L	P	Q
PUBLICATION DETAILS			CATEGORIZATION					
Year	Title	Author List	State/Territory	Bucket Level 1	Bucket Level 2	Bucket Level 3	Implementation categories	Special Tags
2014	Incidental detection microfilaria in subcutaneous breast nodule of lactating female Fnac: A rare case report	A.K.R., Singh, ; Gupta, P.	Uttar Pradesh - UP	Disease	Atypical cases			
2019	Microbial exopolymer-capped selenium nanowires – Towards new antibacterial, antibiofilm and arbovirus	Abinaya, Muthukumar,	Not Available	Others	Pharmacology			
2014	<i>In utero</i> sensitization modulates IgG isotype, IFN-? and IL-10 responses of neonates in bancroftian filariasis	Achary, K., G.; Mandal, P.	Odisha - OD	Others	Immunology			
2011	In vivo antifilarial activity of some cyclic and acyclic	Agarwal, A., ; Awasthi, S.	Not Available	Etiology	Parasite			
2011	An uncommon infectious cause of pleural effusion	Aggarwal, Amitesh, ; Ra	Not Available	Disease	Atypical cases			
2013	Self care integrative treatment demonstrated in rural community setting improves health related quality of life of lymphatic filariasis patients in endemic villages	Aggithaya, Madhur, Gur	Kerala - KL	Management	MMDP	Integration into health	Implementation; eff	Ayurvedic data
2015	Scroto-perineal hidradenitis suppurativa complicated by giant scrotal elephantiasis	Alharbi, B., ; Shlash, A.,	Not Available	Disease	Atypical cases			
2013	Improved antifilarial activity of ivermectin in chitosan-alginate nanoparticles against human lymphatic filarial parasite, Brugia malayi	Ali Afzal, M., ; Ali Afzal,	Not Available	Management	Selective treatment			
2014	Nanocurcumin: a novel antifilarial agent with DNA topoisomerase II inhibitory activity	Ali, Mohammad, ; Afzal	Not Available	Management	Selective treatment			
2013	Nanopharmaceuticals to target antifilarials: a comprehensive review	Ali, Mohammad, ; Afzal	Not Available	Management	Selective treatment			
2014	Perceptive solutions to anti-filarial chemotherapy of lymphatic filariasis from the plethora of nanomedical	Ali, Mohammad, ; Afzal	Not Available	Management	Selective treatment		Drug/treatment effic	
2014	Therapeutic efficacy of poly (lactic-co-glycolic acid) nanoparticles encapsulated ivermectin (nano-ivermectin) against brugian filariasis in experimental rodent model	Ali, Mohammad, ; Afzal	Not Available	Management	Selective treatment		Drug/treatment effic	

The database may be filtered by publication details or by assigned category, corresponding to graphics on slides 9 and 10.

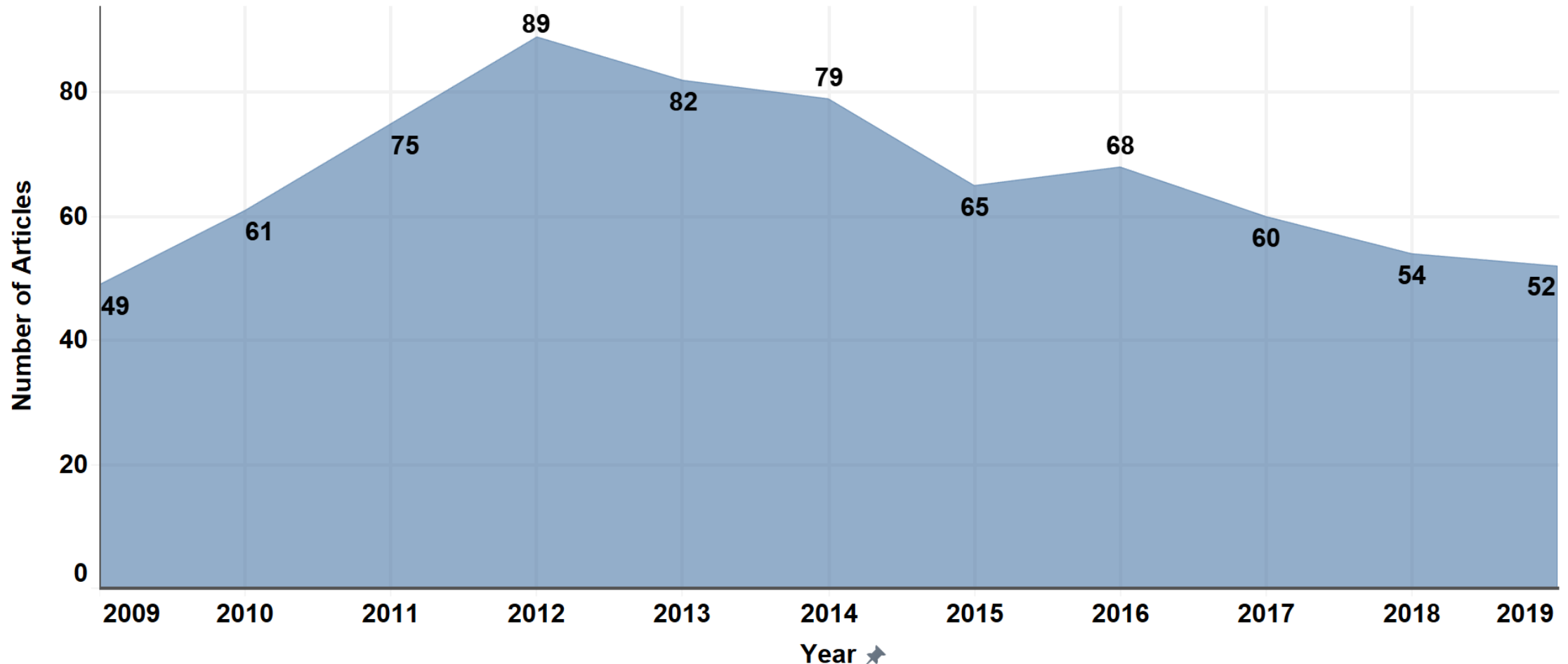
DELIVERABLE 1: INDEXED LITERATURE DATABASE

U	V	W	X	Y	Z	AA	AB	AC	AD
AUTHOR SUPPLEMENT (SCOPUS)									
FA Affiliation	FA Afil. Country	FA Afil. Locality	FA Afil. Institution	Last Author	LA Affiliation	LA Afil. Country	LA Afil. Locality	LA Afil. Institution	Scopus Funding Details
Biomaterials and Bi	India	Tamil Nadu	Alagappa University	Al-Anbr M.N.	Department of Botany a	Saudi Arabia	Riyadh	King Saud University	Deanship of Scientific Re
Division of Immuno	India	Odisha	Regional Medical Res	Bal M.S.	Division of Immunology	India	Odisha	Regional Medical Resear	Indian Council of Medica
Department of Medi	India	Varanasi	Banaras Hindu Unive	Murthy P.K.	Parasitology Division, C	India	Lucknow		"Banaras Hindu Universi
Department of Medi	United States			Sharma V.	Department of Medicine	United States			
Institute of Applied	India	Kerala	Institute of Applied D	Sushma K.V.	Institute of Applied Der	India	Kerala	Institute of Applied Dermatology	
Departments of Uro	Saudi Arabia	Riyadh		Said M.	Departments of Urology	Saudi Arabia			
Nanomedicine Lab,	India	New Delhi	Hamdard University (Dinda A.K.	Department of Patholog	India	Ne		dica
Nanomedicine Lab,	India	New Delhi	Hamdard University	Ahmad I.	Department of Biotechn	India	Ne		dica
Hamdard University	India	New Delhi	Hamdard University (Dinda A.K.	Hamdard University (Jar	India	Ne		

Where available, additional details from SCOPUS, including affiliation for first and last author, the full set of authors and affiliations (in a single cell), and funding details, were appended to the articles.

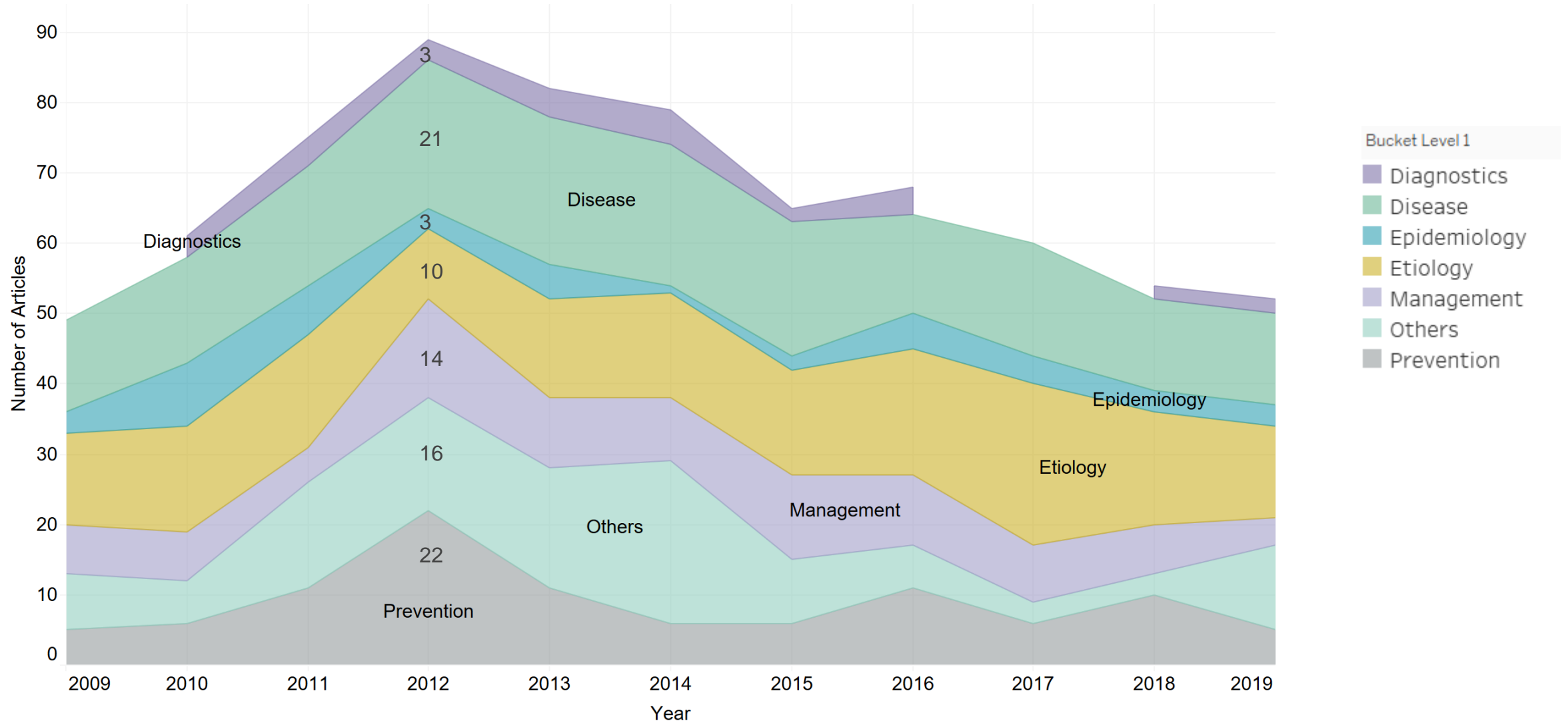
DELIVERABLE 2: VISUALIZATIONS

RECORDS COUNT PER YEAR



DELIVERABLE 2: VISUALIZATIONS

RECORDS COUNT PER BUCKET PER YEAR



DELIVERABLE 2: VISUALIZATIONS

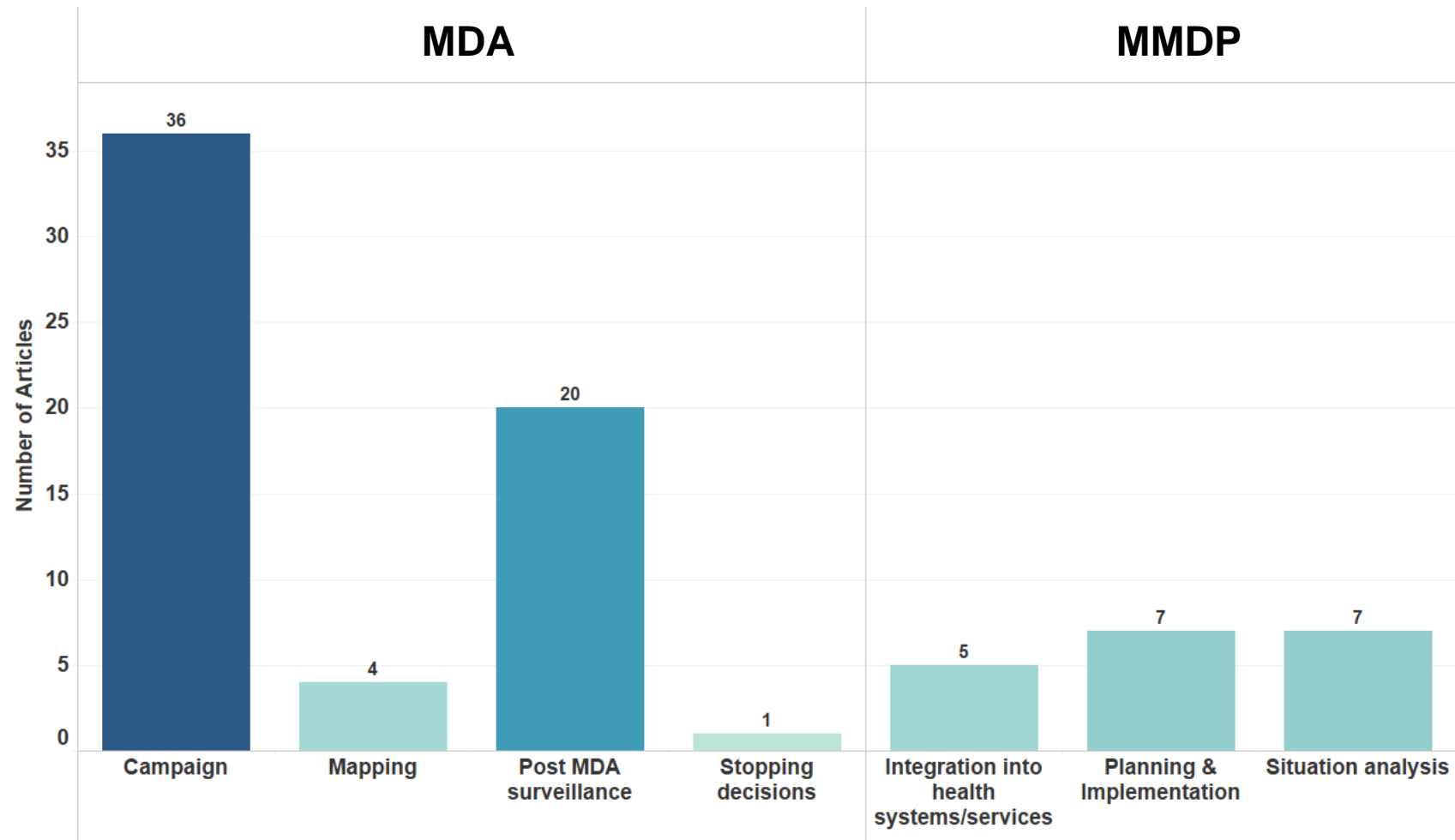
BREAKDOWN OF BUCKET LEVELS 1 AND 2

Bucket Level 1	Bucket Level 2	Year										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Diagnostics	Cytology						2					
	Microscopy			1	2						1	
	Serology		2	2	1	1		1	2		1	2
Disease	Atypical cases	10	11	13	15	20	14	17	14	13	13	12
	Signs & Symptoms	3	4	4	6	1	6	2		3		
Epidemiology	Disease burden	3	7	6	3	4	1	2	2	3	2	3
	Reviews					1						
	Risk factors		2	1					3	1	1	
Etiology	Parasite	12	14	14	9	13	14	7	16	22	13	11
	Vector	1	1	2	1	1	1	8	2	1	3	2
Management	MMDP		2	2	5	5		1	2	3	1	4
	Selective treatment	7	5	3	9	5	9	11	8	5	6	
Others	Biochemistry				1	1						
	Commentary		1	1				1	2			
	Immunology		2	2	3	3	6	4	1			4
	Modelling studies							1	1	1		
	Pharmacology	2	2	5	7	7	8	3	1			8
	Reviews	5	1	7	3	5	9		1	2	3	
Prevention	MDA	3	3	6	12	8	5	5	2	6	9	5
	Vector control	2	3	5	9	3	1	1	9		1	

Articles that did not fit a main bucket were put in "others," with Level 2 groupings created to suit the general categories.

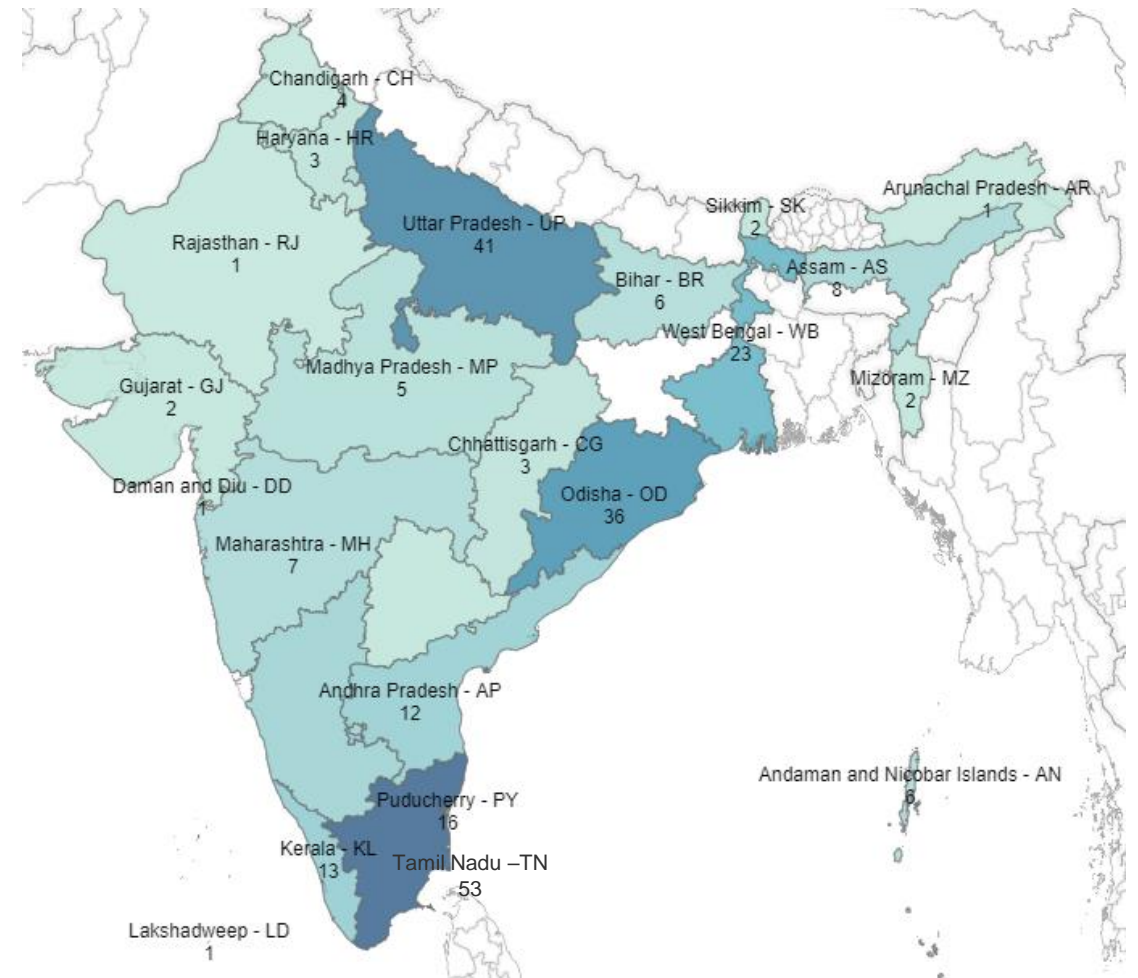
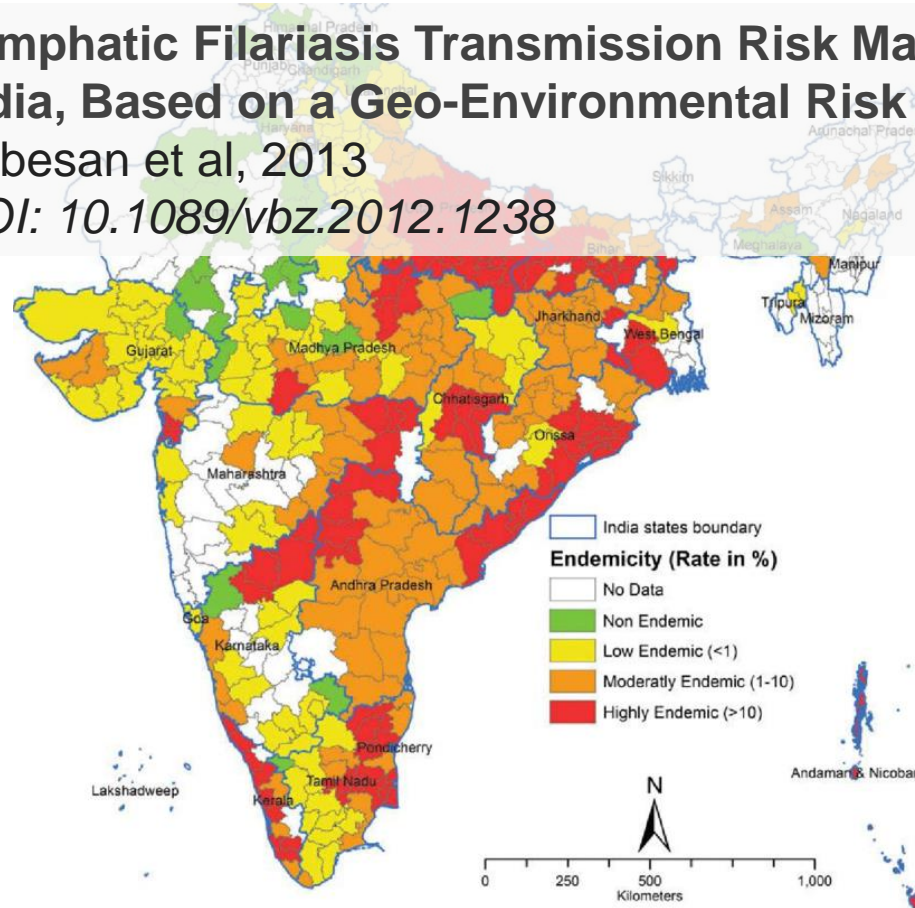
DELIVERABLE 2: VISUALIZATIONS

BREAKDOWN OF BUCKET LEVEL 3



DISTRIBUTION OF RESEARCH BY PROVINCE

Lymphatic Filariasis Transmission Risk Map of India, Based on a Geo-Environmental Risk Model
Sabesan et al, 2013
DOI: 10.1089/vbz.2012.1238

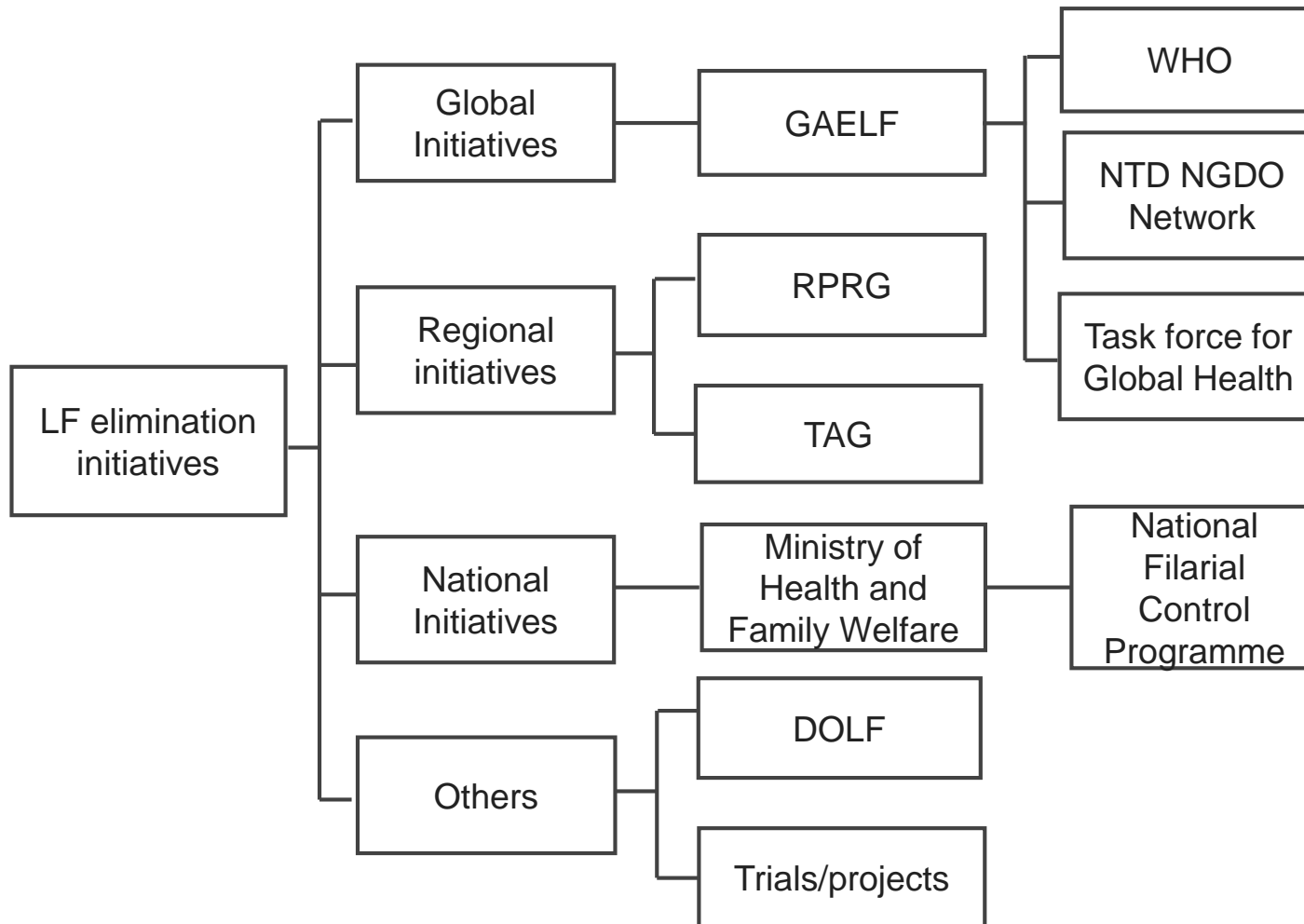


A photograph of a person's legs and feet, wearing a vibrant, multi-colored sarong with patterns of blue, green, yellow, and red. The person is sitting on a weathered wooden plank. Their feet are visible, with one foot showing a small red mark on the toe. The background is dark and out of focus.

OVERVIEW: DELIVERABLE 3

REVIEW OF METHODS

GREY LITERATURE



Key actors identified from:

- Websites
- Meeting reports
- Guidelines
- Key publications
- Annual reports
- Progress reports
- Workshop reports
- Informal consultations
- Expert missions

GAELF: Global alliance for the elimination of lymphatic filariasis
RPRG: Regional programme review group
TAG: Technical advisory group (LF)
DOLF: Death to Onchocerciasis and Lymphatic Filariasis
NTD NGDO Network: Neglected Tropical Diseases Non-Governmental Development Organisation

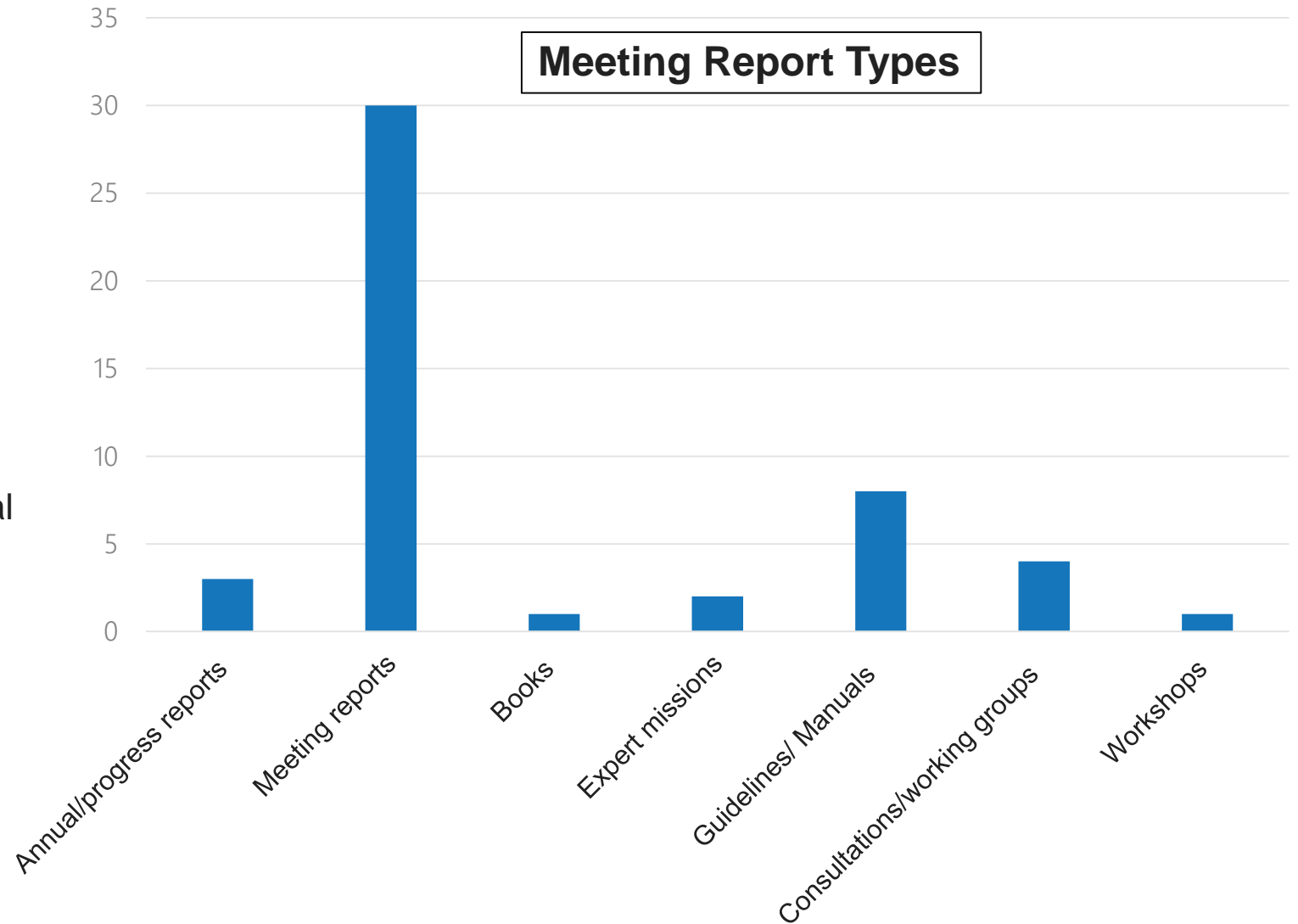
REVIEW OF METHODS

RESULTS:

49 reports found

30 meeting reports from:

- GAELF: Global alliance for the elimination of lymphatic filariasis
- RPRG: Regional programme review group
- TAG: Technical advisory group (LF)
- STAG (NTD): Strategic and Technical Advisory Group for Neglected Tropical Diseases



DELIVERABLE 3: DIRECTORY

KEY INSTITUTIONS

	A	B	C	D	
	Institution	Name	Position		
1	Ministry of Health and Family Welfare	Dr (Smt) Nupur Roy	Additional Director, Head of Kala-Azar &		
2		Dr. Bipin Sinha	Additional director and Bihar state LF		
3		Dr. Dinkar Raval	Joint Director (Mal. & Fil.), Gujarat		
4		Dr. Prakash B. Bhoi	Joint Director (Mal & Fil & WBD), Maharashtra		
5					
6	Government TD Medical College, Kerala, India	Dr. Pushpalatha. M	Principal		
7		Prof Suma Krishnasastry	(lead for WHO LF MMDP collaborating (Scientist G)		
8	Indian Council of Medical Research	Kasinathan Gunasekaran	(Scientist G & Director I/C)		
9		S L Hoti			
		Dr Ashwani Kumar	Director - Vector		
	<div> <div>Key institutions</div> <div>Key meetings</div> <div>Projects</div> <div>Published Literature Results</div> <div>+</div> </div>				

6 Key institutions identified

The Key Institutions sheet lists organizations identified during the grey literature review, with leadership figures in LF and NTDs identified..

DELIVERABLE 3: DIRECTORY

KEY MEETINGS—FILTERING BY NAME

	A	B	C	D	E	F	G	H	I
1	Type (meeting/report/guid)	Title	Year	Name	Institution	Location	Position	Role	Our certainty of stakeholder's relevance
60	Guideline/Manual	Morbidity management and disability	2013	Aditya Prasad Dash	World Health Organization South East	New Delhi	Regional Adviser-Vector Borne and Neglected	Reviewed the document	High certainty
80	Workshop	Regional capacity-building workshop on	2012	Aditya Prasad Dash	World Health Organization South East	New Delhi	Regional Adviser-Vector Borne and Neglected	World Health Organization Secretariat	High certainty
113	Meeting	Global Alliance to Eliminate Lymphatic	2010	Aditya Prasad Dash	World Health Organization South East	New Delhi	Regional Adviser-Vector Borne and Neglected	Meeting participant	High certainty
119	Meeting	Global Alliance to Eliminate Lymphatic	2012	Aditya Prasad Dash	World Health Organization South East	New Delhi	Regional Adviser-Vector Borne and Neglected	Meeting participant	High certainty
134	Guideline/Manual	Guideline on Alternative mass drug	2017	Aditya Prasad Dash	Central University of Tamil Nadu	Tamil Nadu	Professor parasitology, vector-borne dis	Member of the	High certainty
190									
191									
192									
193									

The Key Meetings sheet lists people identified from the meeting documents, with separate entries per meeting. By filtering on name, for example, it is possible to see which of the identified meetings, and in which years, they attended.

The relevance category is a subjective measure created by the team based on the meetings and role a person was engaged in.

Year has color categories for the following time periods:
Red: <2014
Yellow: 2014-2016
Green: >2017

DELIVERABLE 3: DIRECTORY

CURRENT LF PROJECTS

	A	B	C	D	
1	Project / Trial	Institution	Funder	Status	
2	m&e study to guide a triple drug stopping decision for lymphatic	India VCRC - ICMR	BMGF	in progress	
3	IDA acceptability study	Bruyere Research Institute	BMGF	in progress	
4	management of filarial lymphedema	Government td medical college	USAID	in progress	
5	Triple drug therapy	Vector Control Research Center	BMGF	in progress	
6	sampling strategies for xenomonitoring of infection in culex	Neglected Tropical Disease Support Center	BMGF	Completed	
7	for the clearance of w.bancrofti infection:double blind rct to study	Dr Lourduaj John De Britto, Vector Control Research Centre	Indian Council of Medical Research	Completed	
8	Trial of Predefined Homeopathic Medicines on Acute	Dr Alok Kumar, Central Council for Research in Homoeopathy	Central Council for Research in Homoeopathy	Open to Recruitment	
9	Filariasis using self care Ayurveda & Yoga therapy as pilot in two	Dr S R Narahari, Institute of Applied Dermatology	Central Council for Research in Ayurvedic Sciences	Completed	
	single dose DEC of 100 mg, 200 mg	Medical research Centre ICMR			
	Key institutions	Key meetings	Projects	Published Literature Results	

The Projects sheet lists ongoing LF research projects identified during the review, including clinical trials and epidemiologic studies.

DELIVERABLE 3: DIRECTORY PUBLISHED LITERATURE AUTHORS

A	B	C	D	E	F	G
Author	Role	Affiliations	Affiliation Country	Affiliation Locality	Affiliation Institut	Publication Year
Abdul Khader M.S.M.	Last Author	Institute of Vector Borne Diseases and Z	India	Tamil Nadu	Institute of Vector Bo	2016
Abera B.	Last Author	Department of Microbiology, Immunolo	Ethiopia	Bahir Dar University	College of Medicine	2016
Aberdour S.	First Author	Lymphoedema Research Unit, Departme	Australia	SA	School of Medicine	2015
Abinaya M.	First Author	Biomaterials and Biotechnology in Anim	India	Tamil Nadu	Alagappa University	2019
Achary K.G.	First Author	Division of Immunology, Regional Medic	India	Odisha	Regional Medical Re	2014
Adhikari A.	Last Author	Department of Pathology, Bankura Samr	India	West Bengal	Bankura Sam	2014
Adhikari U.	First Author	Mosquito, Microbiology and Nanotechno	India	West Bengal		
Agarwal A.	First Author	Department of Medicinal Chemistry, Ins	India	Varanasi	Banaras Hir	
Agbo O.E.	First Author	Department of Biological Sciences, Benu	Nigeria	Makurdi	Benue State	
Aggarwal A.	First Author	Department of Medicine and, United Sta	United States			
Aggithaya G.M.	Last Author	Institute of Applied Dermatology, Kerala	India	Kerala	Institute of	
		Institute of Applied Dermatology, IAD Ju	India	Kerala	Institute of	
		Army Hospital (RandR), Delhi Cantt, Indi	India	Delhi Cantt	Army Hosp	
		Department of Biotechnology, Jamia Mil	India	New Delhi		2014
		Department of Clinical Laboratory Scienc	Saudi Arabia	Abha	King Khalid Universit	2018
		Department of Biochemistry, Faculty of	India	Uttar Pradesh	Department of Bioch	2017
		Department of Diagnostic Radiology and	Hong Kong	Hong Kong	Chinese University o	2011
		Dept of Botany and Microbiology, Addiri	Saudi Arabia	Riyadh	College of Science	2016
		Department of Botany and Microbiology	Saudi Arabia	Riyadh	King Saud University	2019
Alharbi B.	First Author	Departments of Urology and Plastic Surg	Saudi Arabia	Riyadh		2015
Ali M.	First Author	Nanomedicine Lab, Faculty of Engineeri	India	New Delhi	Hamdard University	2013
Ali M.	First Author	Nanomedicine Lab, Faculty of Engineeri	India	New Delhi	Hamdard University	2014
Ali M.	First Author	Hamdard University (Jamia Hamdard), H	India	New Delhi	Hamdard University	2013
Ali M.	First Author	Nanomedicine Lab, Hamdard Nanobiote	India	New Delhi	Hamdard University	2014
Ali M.	First Author	Nanomedicine Lab, Faculty of Engineeri	India	New Delhi	Hamdard University	2014
Amala M.	First Author	Department of Bioinformatics, Alagappa	India	Karaikudi	Alagappa University	2019
Ambily V.R.	First Author	Department of Clinical Veterinary Medic	India	Trichur	College of Veterinar	2011
Amdare N.	First Author	Department of Biochemistry, JB Tropical	India	Maharashtra	Mahatma Gandhi Ins	2015

This sheet lists the authors identified in SCOPUS from the published literature review. This format allows for easier filtering by author and institution.

Year has color categories for the following time periods:

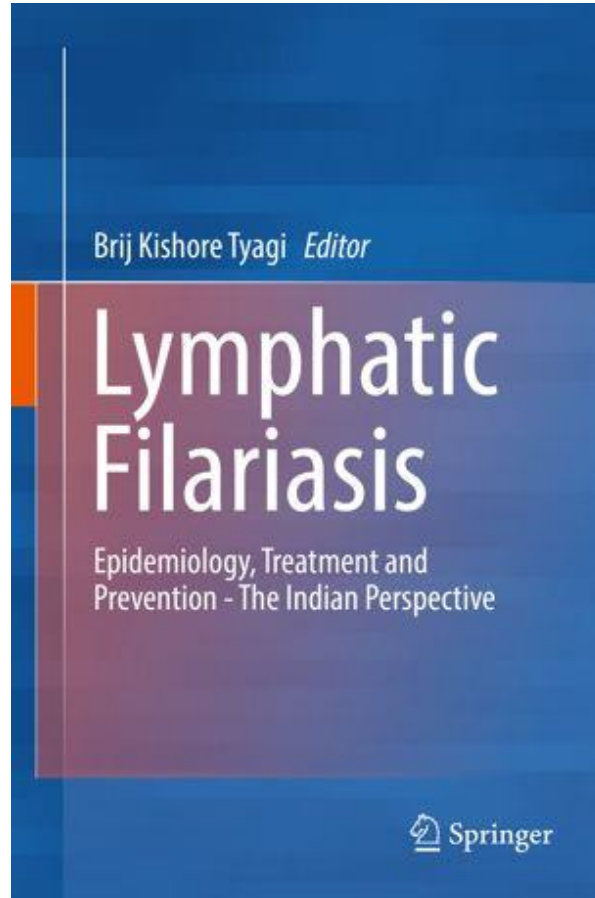
Red: <2014

Yellow: 2014-2016

Green: >2017


ADDITIONAL GREY LITERATURE: BOOK

11	Prevalence of Lymphatic Filariasis in the Northeastern States of India, with Particular Reference to Assam and Prospects of Elimination	149
	A. M. Khan, P. Dutta, S. A. Khan, and J. Mahanta	
12	An Overview of Lymphatic Filariasis Control in Puducherry, Union Territory, India	165
	M. R. Bhagyasree	
13	Sporadic Incidence of Lymphatic Filariasis in Nonendemic State of Rajasthan and Control of the Vector (<i>Culex quinquefasciatus</i> Say, 1823), with Innovative Botanicals and a Possible Hypothesis on the Spread of 'Disease Endemism'	171
	Arti Prasad and Girima Nagda	
14	Integrated Vector Control for the Elimination of Bancroftian Filariasis in the Villages of Tirukoilur, South India	185
	I. P. Sunish, M. Kalimuthu, Shok Kumar, R. Rajendran, A. Munirathinam, N. Nagaraj, N. Arunachalam, and B. K. Tyagi	
15	The Indian Lymphatic Filariasis Elimination Programme: The Success to Sustain	193
	P. K. Srivastava, A. C. Dhariwal, and B. K. Tyagi	
16	Bioecology, Insecticide Susceptibility and Management of <i>Culex quinquefasciatus</i> Say, 1823: A Major Vector of Lymphatic Filariasis in India	199
	Raji Gopalakrishnan and Vijay Veer	
17	Ecology and Biology of <i>Culex quinquefasciatus</i> Say, 1823, in Two Physiographically Different Ecosystems with Special Reference to Human Lymphatic Filariasis in West Bengal, India	211
	Sajal Bhattacharya and Probal Basu	
18	Actinobacteria: A Promising Biocontrol Agent for Filariasis Vector, <i>Culex quinquefasciatus</i> Say, 1823 (Insecta: Diptera: Culicidae)	227
	K. Rajesh and D. Dhanasekaran	
19	Nanopesticides: A Boon Towards the Control of Dreadful Vectors of Lymphatic Filariasis	247
	Prabhakar Mishra, A. P. B. Balaji, B. K. Tyagi, Amitava Mukherjee, and N. Chandrasekaran	



1	Epidemiology of Lymphatic Filariasis	1
	P. L. Joshi	
2	Lymphatic Filariasis Elimination: Update for Mission Possible	15
	P. K. Srivastava and A. C. Dhariwal	
3	Next Step Lymphatic Filariasis Eradication: Current Status in the Development of a Vaccine Against Lymphatic Filariasis	33
	Ramaswamy Kalyanasundaram	
4	Progress in the Treatment and Control of Lymphatic Filariasis	47
	Shailja Misra-Bhattacharya and Mohd. Shahab	
5	Immunotechnological Advancements in Developing Vaccines for Lymphatic Filariasis	59
	Prince R. Prabhu, Jayaprakasam Madhumathi, and Perumal Kaliraj	
6	Recombinant Filarial, <i>Wolbachia</i> Antigens and their Role in the Immunopathogenesis of Human Lymphatic Filariasis	81
	Kirthika Sreenivas, Kamalakannan Vijayan, and Rangarajan Badri Narayanan	
7	Transmission Potential of <i>Wuchereria bancrofti</i> by <i>Culex quinquefasciatus</i> in Malaysia and Its Global Significance	99
	Indra Vythilingam	
8	Genetic Diversity, Molecular Markers, and Population Genetics of Human Lymphatic Filariasis Parasites	107
	S. L. Hoti and R. Dhamodharan	
9	Transmission Dynamics of Diurnally Subperiodic Lymphatic Filariasis in the Andaman and Nicobar Islands	129
	A. N. Shriram, Krishnamoorthy, and P. Vijayachari	
10	Success Story and Challenges Faced to Achieve 'Elimination of Lymphatic Filariasis' Status in Tamil Nadu	139
	S. Elango	

ADDITIONAL GREY LITERATURE: DATABASE

 Experience

2015 - Present

Vice Chancellor
Central University of Tamil Nadu, Thiruvavur

2009 - 2014

Advisor
World Health Organization, South-East Asia Regional Office, New Delhi

2008 - 2009

Director
Desert Medicine Research Centre, Jodhpur

2004 - 2009

Director
National Institute of Malaria Research, New Delhi

2003 - 2005

Director
Centre for Research in Medical Entomology, Madurai

2003 - 2005

Director
Regional Medical Research Centre for Tribals ICMR, Jabalpur

1998 - 2003

Director
Institute of Life Sciences, Bhubaneswar

1983 - 1998

Scientist
Regional Medical Research Centre, Bhubaneswar, Bhubaneswar

1974 - 1978

Research Fellow
Utkal University, Khurda

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Showcase credentials, expertise, skills, and professional achievements of faculty, scientist and organisation to the peer group

Connect within focus areas and geographic expertise

Integrate with external academic identity and other sources to generate biosketches or CV or for research reporting purposes.



Profile

Vidwan Score10

254 ARTICLES15 CONFERENCES6 BOOKS23 PROJECTS

Prof Aditya Prasad Dash

Vice Chancellor
Central University of Tamil Nadu

Publications 1975 - 2019



The VIDWAN Database is an online resource that lists details information for a number of Indian researchers.

 START CENTER

| 27

A photograph of a person's feet and hands, likely a woman, wearing traditional Indian attire. The person is wearing a blue and white patterned sari. Their feet are adorned with red bangles and a silver anklet. The hands are also wearing red bangles. The image is overlaid with a dark blue semi-transparent layer, and the text "KEY FINDINGS AND NEXT STEPS" is written in white, bold, uppercase letters across the center.

KEY FINDINGS AND NEXT STEPS

KEY FINDINGS AND LIMITATIONS

KEY FINDINGS

- In past 10 years, there has been minimal research regarding BMGF priorities, particularly regarding MDA implementation, MDA stopping decisions and post-MDA surveillance.
- The published literature is dominated by case reports that do not add to elimination evidence.
- LF-related publications increased around 2012 likely related to WHO GPELF report, and have generally decreased since

LIMITATIONS

- Subjectivity of categorization (single review)
- Limited ability to match all authors to institutions
- Quality of research and publications not assessed

NEXT STEPS

1

Use of literature database and directory to identify opportunities for partnership and organizing technical working groups aligned with BMGF priorities.

2

Incentivize research and programming to fill evidence gaps related to elimination.

3

Consider Indian and other exemplars for improving evidence and implementation around LF elimination programming.

THANK YOU



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