

Consolidated List of Research Projects

S.No.	Project Title	Funding agency	Collaborators	Year and duration
1.	Assessing the role of LPG coverage at scale to achieve household air pollution and ambient air pollution exposure reductions using hyper-local, low-cost PM2.5 sensor networks: implications for the Pradhan Mantri Ujjwala Yojana program in India.	Implementation Science Network, National Institutes of Health	University of Emory and University of Pennsylvania	2020-2021
2.	Protocol of Heat stress and heat strain assessment in Uddanam Community George institute of global Health	Dept of Science and Technology (DST)	George Institute of Global Health, India	2020-2021
3.	Nexus of Covid-19 and extreme heat for poor urban populations in the Global South (Covid-19/Heat Nexus)	Scottish Funding Council's- Global Challenges Research Fund Covid-19 Urgency grants	Institute for Energy systems, The University of EDINBURGH	2020
4.	Silica Nephropathy and Chronic Kidney Disease of Unknown Etiology	National Institute of Health	University of Colorado, USA, Karolinska Institute, Sweden ,Rajarata University, Srilanka, Nizam's Institute of Medical Sciences, India National Autonomous	2020-2024
5.	Protection Resilience Efficiency and Prevention for workers in industrial agriculture in a changing climate (PREP)	Belmont Forum (Forte, Sweden NOAA, USA NSF, USA	La Isla Network, USA Karolinska Institute, Sweden,Lund University, Sweden,	2020-2022

S.No.	Project Title	Funding agency	Collaborators	Year and duration
		UKRI, United Kingdom)	The University of Texas at Austin, USA, The University of Birmingham, UK	
6.	Prenatal Exposure to Air Toxics and Birth outcome assessment in rural and Urban Tamil Nadu	Indian Council of Medical Research	AIIMS, Delhi	2019-2022
7.	Encouraging use of liquefied petroleum gas, a clean cooking fuel, among rural households in central Tamil Nadu	University of Pennsylvania IRF & UPIASI	University of Pennsylvania	2019-2020
8.	National Environmental Health Profile Study for Chennai City	Ministry of Environment, Forest and Climate Change	Tamilnadu Pollution Control Board, Department of vital statistics of Chennai Corporation, Indian Institute of Tropical Meteorology, Pune and Indian Meteorological Department, pune	2018
9.	Impact of meteorological changes and air pollution on respiratory health & morbidity: A retrospective multicentric study	Indian Council of Medical Research	PGIMER, Chandigarh and University of Calcutta	2018
10.	Estimating Exposures to Volatile Organic Compounds and Polycyclic Aromatic Hydrocarbons associated with use of Kerosene as a Household Fuel through integrated environmental and bio-monitoring in rural and urban Tamil Nadu: a follow-up study on air toxics in the	Indian Council of Medical Research		2018

S.No.	Project Title	Funding agency	Collaborators	Year and duration
	ICMR-CAR cohort” (ongoing)			
11.	Geographical Information Systems for Epidemiological research. Case studies with focus on Chronic Kidney Disease of unknown etiology	Swedish Research Link	Stanley Medical College, Chennai, Apollo Hospitals Nellore, India, Sahlgrenska Academy, University of Gothenburg, Sweden , Lund University, Sweden. Universidad Nacional Autónoma de Nicaragua, Rajarata University, Sri Lanka., La Isla Network, USA	2018-2020
12.	Chronic kidney disease of unknown etiology in central America and Asia – is it the same disease?	Swedish Research Council	Apollo Hospitals Nellore, India, Narayana Medical college, Nellore, India, Sahlgrenska Academy- (University of Gothenburg), Sweden, Karolinska Institute, Sweden. Universidad Nacional Autónoma de Nicaragua, Rajarata University, Sri Lanka.	2017-2019

S.No.	Project Title	Funding agency	Collaborators	Year and duration
13.	Atmospheric Pollution & Human Health in an Indian Megacity: Delhi Air Pollution Health and Effects (DAPHNE) Study	Department of Biotechnology & National Environmental Research Council(UK)	University of Edinburg, UK, IIT-D, IIT-Kanpur, AIIMS, INCLEN, UCMS, New Delhi	2017-2021
14.	Heat Stress Index For India: Projections for near future HIIPROF	DST Govt. of India	Indian Institute of Technology, New Delhi, IIT Kanpur, R K M V University, IISER Bhopal, IIPH Gandhinagar.	2017-2020
15.	Occupational heat stress implications on renal health in the context of Climate Change	DST Govt. of India	Unorganized workers federation, Chennai, India and Department of Physiology-Sri Ramachandra Medical College -Porur, India	2017-2020
16.	Air Pollution, Health and Climate in India: Building Capacities for Health Research and Program Evaluation	USEIF	Clarkson University and NIREH (ICMR)	2016-2019
17.	Increasing LPG use during Pregnancy	National Institute of Health, USA	University of California, Berkeley and KEMHRC pune	2016-2018
18.	Exposure-response relationships for PM2.5 and cardio-respiratory health risks in rural communities of Tamil Nadu, India	Global Alliance for Clean Cook Stoves, UN Foundation, Public Health	Tufts university and Boston University	2016-2018

S.No.	Project Title	Funding agency	Collaborators	Year and duration
		Institute, CDC, USA		
19.	Household Air Pollution and Health: a multi-country LPG intervention trial	National Institute of Health, USA	Emory university, Johns Hopkins University, Colorado state university and NIOH-ROHC (ICMR)	2016-2021
20.	Assessment of priority carcinogenic chemical exposures in selected industries of Bhutan	The World Health Organisation (SEARO)		2016 (3Months)
21.	Feasibility study to explore links between Occupational Heat Stress and Renal Health in Industries in Indonesia	La Isla Network, USA	FIT Work, Occupational Medicine & Environmental study centre, Indonesia	2016
22.	Exposure assessment and modeling for PM2.5 in the Andhra Pradesh Children and Parents Study (APCAPS), a prospective cohort examining risk factors for cardiovascular health effects in India	European union Council	London School of Hygiene	2015-2017
23.	Assessment of Effect of Air Pollution on Early Vascular Aging and Blood Pressure in the PURSE-HIS Cohort project	Tufts University		2015-2016
24.	Review of air quality survey and preparation for global mercury project bio monitoring project	The World Health Organisation (SEARO)		2015
25.	Exploring respiratory health outcomes from sustained use of efficient cook-stoves:	National Institutes of Health	Washington University	2014-2016

S.No.	Project Title	Funding agency	Collaborators	Year and duration
	A pilot cluster randomized trial in rural households of Andhra Pradesh and Karnataka			
26.	Global Health Equity Fellowship Training Grant	Fogarty International Center	UC Berkeley	2014 (1 Year)
27.	Nutrition and Oral Cleft in India	Utah State University & British Council	Utah State University	2013
28.	Capacity Building program for Labour Inspectors, Ministry of Labour and Human Resources, Bhutan	The World Health Organisation (SEARO)		2013
29.	Monitoring Air Pollution and Networking (MAPAN)-India	Ministry of Earth Sciences	Indian Institute of Tropical Meteorology	2012-2016
30.	Vulnerability Assessment to Heat stress and its impacts on Health and Productivity for select Occupational sectors in the context of Climate Change.	Department of Science and Technology	IIT Delhi, NIOH Ahmedabad	2012-2015
31.	Sweden-India cooperation on protection of working people from health and productivity risks due to workplace heat exposure and the links to climate change	Swedish International Development Agency	IIT Delhi, NIOH Ahmedabad	2012-2013
32.	Development of teaching module on Environmental Health and Climate Change for the Bachelor of Public Health course at the Royal Institute of Health Sciences, Bhutan	The World Health Organisation (SEARO)		2012-2013 (4 months)
33.	Preliminary study on Air Quality of Lumbini and Proposal development to conducting health assessment	The World Health organization (SEARO)	IITM	2012

S.No.	Project Title	Funding agency	Collaborators	Year and duration
	study			(2 months)
34.	The National New Born Stove Trial: A Pilot Feasibility Assessment	The World Bank	UC Berkeley, CA, USA Columbia University, NY, USA INCLLEN Trust, New Delhi, India	2012 (1 year)
35.	Developing a framework for regional implementation of BOHS: TOT For BOHS Part II	The World Health Organization (SEARO)		2011 (6 months)
36.	Developing a framework for regional implementation of BOHS: TOT For BOHS Part I	The World Health Organization (SEARO)		2011 (6 months)
37.	Center for Advanced Research On Environmental Health: Air Pollution	Indian Council of Medical Research	TNPCB, Chennai, India Calcutta University, Kolkata, India	2010 (5 years)
38.	Assessment of health risks in the vicinity of chrome containing hazardous waste sites	The Tamil Nadu State Pollution Control Board	TNPCB, Chennai, India	2009 (2 years)
39.	Creation and update of Global Indoor Air Pollution Database	The United States Environmental Protection Agency	Stratus Consulting, Washington D.C. USA UC Berkeley, CA, USA	2009 (1 year)

S.No.	Project Title	Funding agency	Collaborators	Year and duration
40.	Assessment of heat stress, worker productivity and climate change: A pilot assessment	The World Health Organisation (SEARO)		2009 (1 year)
41.	Evaluation of improved stoves for climate change and health related emission reductions	The United Nations Environment Programme	The Scripps Institute of Atmospheric Sciences, UC San Diego, CA, USA TERI, New Delhi, India	2010 (2 years)
42.	Creation of Basic Occupational Health Services in Tamil Nadu- A Pilot Assessment	The World Health Organisation (India office)	NIOH, Ahmedabad, USA	2009 (2 years)
43.	Monitoring and Evaluation of Improved Biomass Stoves in Tamil Nadu and Karnataka: Phase IV	The Shell Foundation, USA	Berkeley Air Monitoring Inc. CA, USA	2011 (6 months year)
44.	Monitoring and Evaluation of Improved Biomass Stoves in Tamil Nadu and Karnataka: Phase III	The Shell Foundation, USA	Berkeley Air Monitoring Inc. CA, USA	2010 (1 year)
45.	Monitoring and Evaluation of Improved Biomass Stoves in Tamil Nadu and Karnataka: Phase II	The Shell Foundation, USA	Berkeley Air Monitoring Inc. CA, USA	2010 (1 year)
46.	Monitoring and Evaluation of Improved Biomass Stoves in Tamil Nadu and Karnataka: Phase I	The Shell Foundation, USA	Berkeley Air Monitoring Inc. CA, USA	2009 (1 year)

S.No.	Project Title	Funding agency	Collaborators	Year and duration
47.	Occupational Safety and Health Aspects of CTC Substitutes: An assessment for 8 Industrial Sectors Phase III	GTZ-Proklima-MOEF Ozone Cell	GTZ-India	2009 (6 months)
48.	Occupational Safety and Health Aspects of CTC Substitutes: An assessment for 8 Industrial Sectors Phase II	GTZ-Proklima-MOEF Ozone Cell	GTZ-India	2008 (1 year)
49.	Occupational Safety and Health Aspects of CTC Substitutes: An assessment for 8 Industrial Sectors Phase I	GTZ-Proklima-MOEF Ozone Cell	GTZ-India	2007 (2 months)
50.	Set up of Air Pollution Related Disease Diagnostic Center (APRDC)	The Gas Authority of India Limited (GAIL)	GAIL DPH	2006-2010
51.	Human health risk assessment for air pollutants in Chennai	The Indian Council of Medical Research and CDC, USA	OHSC, OH, USA	2007-2009
52.	International Training in Research on occupational and environmental health (ITROEH)	Fogarty International Centre, National Institutes of Health, USA	UC Berkeley, CA, USA	2008-2011
53.	Impact assessment for water quality interventions in districts of Southern India, funded by The Agora Foundation, USA	Aquaya Institute	UC Berkeley, CA, USA Aquaya Institute, CA, USA	2007-2009

S.No.	Project Title	Funding agency	Collaborators	Year and duration
54.	Assessing & Mitigating Health Risks from Pollution by Small and Medium Scale Enterprises (SMEs) related to stone quarrying and crushing	International Development Research Centre, Canada	Development Alternatives, New Delhi, India	2007-2009
55.	Sound chemicals management for a healthier environment in India and Vietnam	European Commission, Belgium	GTZ, Germany VEPA, Vietnam TNPCB, Chennai, India	2006-2008
56.	Establishing bio-aerosol monitoring programs in South India	Foundation for Occupational Health & Safety, USA		2006
57.	Assessing & Mitigating Health Risks from Pollution by Small and Medium Scale Enterprises (SMEs) Initiative in Uttar Pradesh (Pilot Project)	International Development Research Centre, Canada	Development Alternatives, New Delhi, India	2005-2006
58.	Training and Capacity Building in Occupational Health: A needs assessment	The World Health Organisation (SEARO)	NIOH, Ahmedabad, India	2004
59.	Environmental pollution, social structure, and health outcomes in India-a pilot study	The National Institutes of Health, USA	University of Maryland, MD, USA NCAER, New Delhi, India TERI, New Delhi, India	2004-2006

S.No.	Project Title	Funding agency	Collaborators	Year and duration
60.	Time series study on air pollution and mortality in Chennai, India	The Health Effects Institute, Boston, USA.	TERI, New Delhi, India	2004-2007
61.	Exposure to biomass fuel smoke and tuberculosis - A case-control study based in a rural district of Tamil Nadu in Southern India	Fogarty International Center, National Institutes of Health, USA	UC Berkeley, CA, USA	2002-2007
62.	Training grant for capacity building in occupational and environmental health	Fogarty International Center, National Institutes of Health, USA	UC Berkeley, CA, USA	2002-2007
63.	Study of Lead Exposure and Outcomes Amongst Children in Chennai, India	Fogarty International Center, National Institutes of Health, USA	Channing Laboratories, Harvard University, Boston, MA, USA	2004-2006
64.	Assessment of baseline health and environmental status of the municipal solid waste sector in Chennai	Central Pollution Control Board	CNCI, Kolkata, India	2003-2005
65.	Comparative risk assessment for interventions aimed at reduction of indoor air pollution associated with bio - mass fuel use in rural and urban settings of Andhra Pradesh, India - an integrated evaluation based on health risks and greenhouse gas emissions	The United States Environmental Protection Agency	TERI, New Delhi, India	2003-2005

S.No.	Project Title	Funding agency	Collaborators	Year and duration
66.	Comparative Risk Assessment of Environmental Health Concerns in Chennai	The World Health Organisation through MOEF, Govt. of India	NIOH, Ahmedabad, India	2001-2005
67.	Indoor air pollution associated with household fuel use in India-An exposure assessment and modeling exercise in rural districts of Andhra Pradesh, India	ESMAP Unit, The World Bank	UC Berkeley, CA, USA IHS, Hyderabad, India	2002-2004
68.	Health risk assessment for occupational exposure to airborne pollutants in the textile industry through environmental biological and clinical monitoring	Tamil Nadu State Pollution Control Board, Chennai	TNPCB	2000-2001
69.	Preparation of posters & information booklets on prevention of water pollution from hospitals and prevention of lead poisoning in school children	Ministry of Environment and Forests, Govt. of India	CPR Center, Chennai, India	2001
70.	Indoor air quality monitoring and exposure assessment for indoor air pollutants associated with the combustion of bio-fuels, in rural homes of Tamil Nadu	United Nations Development Project (UNDP) through IGIDR, Mumbai	IGIDR, Mumbai, India	2001
71.	Economic Evaluation of Health Damage in North Chennai using a Comparative Risk Assessment Framework	The World Bank through IGIDR, Mumbai	IGIDR, Mumbai, India MSE, Chennai, India MIDS, Chennai, India	2000-2001
72.	Comprehensive evaluation of the workplace environment in tanneries through environmental, biological and clinical monitoring	UNIDO (United Nations Industrial Development Organization)	CLRI, Chennai, India	1998