

## S. ARULSELVAN, M.E

Specialization: Occupational Hygiene & Environmental Engineering  
Research interests: Environmental Health & Exposure Science & Air pollution modelling and Data analysis

### EDUCATION

Institution & Location	Degree/position	Month/Year	Field of study/research
Sathyabama University	M.E	April 2012	Environmental Engineering
Annamalai University	D.I.S	May 2010	Industrial Safety
University of Madras	B. Tech	June 2003	Chemical Engineering

### EMPLOYMENT

#### Month & Year, Position and Employer

Oct 2018-Till date	Senior Lecturer, EHE, Sri Ramachandra Institute of Higher Education & Research, Chennai, TN
Feb 2016-Sep 2018	Lecturer, EHE, Sri Ramachandra Medical College & Research Institute, Chennai, TN
Apr 2015-Feb 2016	Scientist, EHE, Sri Ramachandra Medical College & Research Institute, Chennai, TN
Dec 2012- Mar 2015	ICMR-CAR Scientist, EHE, Sri Ramachandra Medical College & Research Institute, TN
July 2007-Nov 2012	Junior Research Fellow, EHE, Sri Ramachandra Medical College & Research Institute, TN
Mar 2007-June 2007	Process Engineer, M/s. Keerthana Gases & Chemicals PVT, Ltd, Trichy, TN
Aug 2006- Feb 2007	Process Engineer, M/s. Vel Biodiesel Energy PVT, Ltd, Trichy, TN
Aug 2005- Aug 2006	Project Assistant, Dept. of Chemical Engineering, CLRI, Adyar, Chennai, TN
Aug 2004- Aug 2005	Graduate Apprentice, Dept. of Chemical Engineering, CLRI, Adyar, Chennai, TN

### CONSULTANCY WORK @ CPCL, MANALI, CHENNAI

On deputation as **Occupational Hygienist** in Chennai Petroleum Corporation Limited (CPCL), Manali for Industrial Hygiene consultancy work for the period of August 2018 to till date

#### Occupational health & safety consultancy services:

- Occupational exposure evaluation, training, management & reporting; indoor air quality investigations for buildings. Sampling and Analysis for Health hazards, Recommending control measures for various hazards. Providing Training and Performance report for clients in thermal power plant / automobile sector / process industry, etc.

- Worked in Occupational Health & Safety consultancy projects involving Dust Exposure Assessment, Chemical Exposure Assessment, Physical (Heat Stress, Noise, Illumination and wind speed) Exposure Assessment, Bio-aerosol Assessment and Indoor Air Quality (IAQ) Assessment in various companies like ST-CMS Electric Co. Ltd., Petro araldite., Ford India Ltd., Caterpillar India Ltd., Lucas TVS Ltd., Breaks India Ltd., Delphi-TVS Ltd., Audco India Ltd , Tube Products India Ltd, Sundaram Clayton Ltd, Saint Gobain Glass India Ltd., Visteon Automotive & Technologies Ltd., Nokia India Ltd., etc.
- Assisted in organization of academic and short term training programs in occupational safety & health. Training of Research Fellows of the department in Industrial Hygiene and Environmental Monitoring.
- Assisting in pulmonary function testing, Audiometry & Blood lead level Analysis.

## PUBLICATIONS & ABSTRACTS

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1. V. Sreekanth , Cathryn Tonne , Maëlle Salmon , **S. Arulselvan**, Julian D. Marshall. The role of blank filter mass in attenuation measurements using an off-line transmissometer
2. Kalpana Balakrishnan, Santu Ghosh, Gurusamy Thangavel, Sankar Sambandam, Krishnendu Mukhopadhyay, Naveen Puttaswamy, **Arulselvan Sadasivam**, Padmavathi Ramaswamy, Priscilla Johnson, Rajarajeswari Kuppaswamy, Durairaj Natesan, Uma Maheshwari, Amudha Natarajan, Gayathri Rajendran, Rengaraj Ramasami, Sathish Madhav, Saraswathy Manivannan, Srinivasan Nargunanadan, Srinivasan Natarajan, Sudhakar Saidam, Moumita Chakraborty, Lingeswari Balakrishnan, Vijayalakshmi Thanasekaraan. Exposures to fine particulate matter (PM<sub>2.5</sub>) and birth weight in a rural-urban, mother-child cohort in Tamil Nadu, India. *Environmental Research*, Volume 161, February 2018 , Pages 524-531
3. Balakrishnan K, Sambandam S, Ramaswamy P, Ghosh S, Venkatesan V, Thangavel G, Mukhopadhyay K, Johnson P, Paul S, Puttaswamy N, Dhaliwal RS, Shukla DK; **SRU-CAR Team** (2015). Establishing integrated rural-urban cohorts to assess air pollution-related health effects in pregnant women, children and adults in Southern India: an overview of objectives, design and methods in the Tamil Nadu Air Pollution and Health Effects (TAPHE) study. *BMJ Open*.doi:10.1136/bmjopen-2015-008090
4. Sankar Sambandam, Kalpana Balakrishnan, Santu Ghosh, **Arulselvan Sadasivam**, Satish Madhav, Rengaraj Ramasamy, Maitreya Samanta, Krishnendu Mukhopadhyay, Hafeez Rehman, and Veerabhadran Ramanathan (2015). Can Currently Available Advanced Combustion Biomass Cook-Stoves Provide Health Relevant Exposure Reductions? Results from Initial Assessment of Select Commercial Models in India. *Eco Health* **12**, 25-41.
5. Krishnendu M, Ayyappan R, Raghunathan R, Venkatesan D, **Arulselvan S**, Pramod K, Shyam Narayan P, Sankar S and Kalpana B (2011), Exposure to Respirable Particulates and Silica in and around the Stone Crushing Units in Central India, *Ind. Health* **49**, 221-227.
6. Krishnendu Mukhopadhyay, Rengaraj Ramasamy, Sathish Madhav, Natesan Durairaj, Manickam Natarajan Amudha, Gayathri, Rajendran, **Arulselvan Sadasivam**, Naveen Puttaswamy, Sankar Sambandam, Santu Ghosh, Kalpana Balakrishnan (2013). Measurement of household concentration for estimating PM<sub>2.5</sub> exposures in pregnant women: Preliminary results from SICAPHE study; **EHP-ISEE-2013** Environment and Health – Basel, Switzerland, Abstract Number: 5115 | ID: O-2-14-02
7. Sankar Sambandam\*, Santu Ghosh, **Arulselvan Sadasivam**, Rengaraj Siva, Sathish Madhav, Krishnendu Mukhopadhyay, Kalpana Balakrishnan, Hafeez Rehman, Veerabhadran Ramanathan (2013). Assessing household level exposure reductions associated with use of improved biomass cook-stoves in India: Results from field assessment for Project Surya; **EHP-ISEE-2013** Environment and Health – Basel, Switzerland, Abstract Number: 4888 | ID: P-2-09-05
8. Ajay Pillarisetti\*, Sankar Sambandam, Mayur Vaswani, Narendra K. Arora, Kalpana Balakrishnan, Michael N. Bates, Darby Jack, Krishnendu Mukhopadhyay, Rupak Mukhopadhyay, **S. Arulselvan**, Kirk R. Smith (2013). Evaluating the impacts of an advanced stove intervention on traditional cooking patterns and pollutant exposures in India using stove use monitors; **EHP-ISEE-2013** Environment and Health – Basel, Switzerland, Abstract Number: 3666 | ID: O-1-39-01

## **PROJECTS HANDLED IN EHE, SRIHER:**

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1. Exposure-response relationships for PM2.5 and cardio-respiratory health risks in rural communities of Tamil Nadu, India
2. Exposure assessment and modeling for PM2.5 in the Andhra Pradesh Children and Parents Study(APCAPS), a prospective cohort examing risk factors for cardiovascular health effects in India
3. ICMR-Centre for Advanced Research on Environmental Health- Air Pollution, Tamilnadu
4. Modeling Air Pollution and Networking (MAPAN) in Chennai
5. New Born Stove (NBS) Project in Haryana
6. Shell Foundation Commercial Pilot-2011 study conducted in Karanataka
7. Project SURYA- Reduction of Air Pollution and Global Warming by Cooking With Renewable Sources in Tamilnadu & UP
8. Controlled cooking tests on Generation-3 Envirofit Stoves, Tamilnadu
9. Shell Foundation Commercial Pilot-2010, TN
10. Monitoring and evaluation of the Mangala Cook stove in Tamilnadu & Karnataka.
11. Assessing and mitigating health risks from stone quarrying and crushing industry in Bundelkhand Region of Central India

## **WORKSHOPS & CONFERENCES ATTENDED:**

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- Participated in the National & International workshops & conferences related to Air Pollution, Occupational Health Hazards and Work place exposure assessment with in India etc.

## **CONTACT**

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