


## BIO-SKETCH

<b>NAME:</b> <b>Vidhya Venugopal</b>	<b>POSITION TITLE</b> <b>Professor</b> – Occupational & Environmental Health & Industrial Hygiene Services, Department of Environmental Health Engineering, Sri Ramachandra Institute of Higher Education & Research, Chennai, India.	
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INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
<b><u>Educational Qualification:</u></b> Central Queensland University, Australia	Post-doctoral training	1999-2000	Environmental Chemistry, Environmental Engineering, Environmental Ecology
University of Madras, Chennai, India	Ph.D.	1998	Environmental Chemistry
University of Madras, Chennai, India	M.Sc.	1990	Environmental Chemistry
<b><u>Professional Qualification:</u></b> British Occupational Hygiene Society (BOHS), UK.	Industrial Hygiene Certifications *	2011-2014	Certified Industrial Hygienist
University of Heidelberg, Germany	Certificate	2012	Climate Change and Health - Impact and Adaptation Strategies
Umea University, Sweden	Certificate	2011	Climate Change and Health - Research Methods
Conestoga College, Canada	Certificate	2007-2008	Project Management

### A. Personal Statement

An Occupational Hygienist and Climate Change Scientist, I work with a dedicated team of interdisciplinary scientists to find the links between “Heat, workload and dehydration” and Renal Health. I have successfully completed 5-large scale epidemiological projects on “Occupational Heat Stress and Health”, with national and international agencies (SIDA, DST, La Isla Network, Swedish Research Council). Currently working on a large DST funded project on “Occupational heat stress implications on renal health in the context of Climate Change”, ICMR funded “Heat stress and heat strain assessment in Uddanam community: A cross sectional study” and five international projects one on “Chronic kidney disease of unknown etiology in Central America and Asia – is it the same disease?” with Swedish Research Council on “Geographical Information Systems for Epidemiological research”, “Protection Resilience Efficiency and Prevention for workers in industrial agriculture in a changing climate (PREP)” with Belmont Forum, “Silica Nephropathy and Chronic Kidney Disease of Unknown Etiology with NIH, Nexus of Covid-19 and extreme heat for poor urban populations in the Global South (Covid-19/Heat Nexus)” with The University of

Edinburg” Our research results with formal and informal work sectors in Indian and Indonesian working population point to the fact that workplace exposures, one of them being heat, play a major role in determining the health of the huge working population in the Asian subcontinent, which is largely ignored as “heat is considered as a natural phenomenon”. I am currently an elected board in Consortium for the Epidemic of Nephropathy in Central America and Mexico (CENCAM). Being a certified Industrial Hygienist (British Occupational Health Society) and a key member of the HOTHAPS research group primarily working on Heat stress and Occupational Health, I have key collaborators in Europe, China, Indonesia, USA, Australia, New Zealand, Srilanka etc., In my role as an Consultant Occupational Hygienist, I have been a consultant for about 108 industries and have brought positive interventional changes in many industries to reduce exposures to occupational heat via engineering, administrative and personal protection. The “Heat Stress prevention guide” has been used by 350 Industries across India and also by some Middle East industries. I have supervised 7 - Ph.D. students as a guide in India and 4 - international students as a co-supervisor in the area of Heat and Health. Our research results were presented in about 30 international conferences and I was an invited plenary speaker in the International Congress on Occupational Health (ICOH, 2018). And involved in preparing the Working Group report on Heat Stress, dehydration and Kidney disease for CENCAM as lead author; I was also invited by **ILO, Turin** to attend the 51<sup>st</sup> Meeting of the CIS network. I have been a contributor to the **WHO-WMO State-of-Art report** on Health effects of Occupational Heat Stress. I have also been actively involved in coordinating and implementing a Unified System for Biomedical Waste Management across the state of Tamilnadu in conjunction with Tamilnadu Health System Project and conducting training for 2 districts in Tamilnadu.

## **B. Selected Positions**

2009-Present	<b>Professor</b> (Industrial Hygiene Services), Department of Environmental Health Engineering, Sri Ramachandra Institute of Higher Education & Research (SRIHER), Porur, Chennai.
2001 - 2009	<b>Research Scientist</b> , McNeil Consumer Healthcare, Johnson & Johnson, Canada
2000-2001	<b>Research Officer</b> , Environmental Health Engineering, Sri Ramachandra Institute of Higher Education & Research (SRIHER) Porur, Chennai
1998 - 2000	<b>Post-Doctoral Fellow</b> , Central Queensland University, Australia
1993-1997	<b>Senior Research Fellow</b> , National Environmental Engineering Research Institute, CSIR, Govt. of India
1991-1993	<b>Junior Research Fellow</b> , National Environmental Engineering Research Institute, CSIR, Govt. of India

## **C. Awards & Honors**

2020	Travel 32 <sup>nd</sup> Annual Conference of the International Society for Environmental Epidemiology Grant for <b>ISEE, August 27<sup>th</sup></b> .
2019	<b>Key note speaker</b> “International conference on thermal stress”, Japan, October.
2019	Life time <b>Member</b> in National Environmental Engineering Research Institute ( <b>NEERI</b> ).
2019	Life time <b>Member</b> in Indian Association of Occupational Health ( <b>IAOH</b> ).
2019	<b>Member</b> in International Commission on Occupational Health (ICOH).
2019	<b>Member</b> in International Society of Indoor Air Quality and Climate.
2019	<b>Travel grant</b> for conference on “The built, natural, and social environments: impacts on exposures, health and well-being “by ISES-ISIAQ, Kaunas, Lithuania, May.
2019	Elected <b>Board Member</b> in Consortium on the Epidemic of Nephropathy in Central America and Mexico (CENCAM), April.
2019	<b>NIEHS Fellowship</b> by National Institute of Environmental Health Sciences for Attending CENCAM Workshop, March.

2018	<b>Plenary speaker</b> 32nd Triennial Congress of the International Commission on Occupational Health (ICOH) on “Heat stress and Climate Change –A Global perspective” at the, Dublin, Ireland, April 29 – May 4 <sup>th</sup> .
2018	<b>WHO Special Invitee</b> with full grant for the “First Global Forum for Heat and Health” at Hong Kong on 17-20th December.
2018	<b>Travel Grant</b> for “32 <sup>nd</sup> Triennial Congress of the International Commission on Occupational Health (ICOH)” at Dublin, Ireland on April 29 <sup>th</sup> -May 4 <sup>th</sup> .
2017	Nominated as <b>Research Ambassador</b> at Sri Ramachandra University, February.
2017	<b>Visiting Professor</b> grants UNA, COSTARICA in November.
2017	<b>Special Invitation</b> for Deliberate a brief talk on “Climate Change, Health Adaptation and Mitigation in Southern Region of India” by NCDC, Govt. of India.
2017	<b>Participant</b> in “Expert Consultation on Implementation and follow up of WHO Global Plan of Action on Workers Health in South Asia”, Delhi.
2016	<b>Expert Member</b> in National Expert Group on National Action Plan for Climate Change and Health by NCDC, Govt. of India, July.
2016	<b>Travel Grant</b> awarded by 28 <sup>th</sup> annual conference of the International Society for Environmental Epidemiology (ISEE), June.
2015	<b>Visiting Professor</b> UNA, COSTARICA, November.
2015	<b>Travel Award</b> for attending ISES in Henderson, Nevada, USA, October
2015	<b>Diversity Award</b> by International Society of Exposure Science (ISES).
2015	<b>Keynote speaker</b> for Climate Change and Heat Challenges Conference with <b>Travel award</b> by Lund University.
2014 & 2015	Special <b>Dinner</b> Invitation with Ambassador and Minister of Environment, Sweden, by Sweden Government, February.
2013	<b>Organizing Committee Member</b> in 2 <sup>nd</sup> international Conference and Exhibition on Occupational health and safety (China), May.
2013	<b>India Representative</b> for Training in Occupational Health & Safety, International Labor Organization (ILO) Torino, Italy, November.
2012	<b>Special invitation</b> from Madame Hillary Clinton, US Secretary of State, for Bilateral Scientific Research discussion, July.
2007-2008	Several <b>Encore Awards</b> Presented by Johnson & Johnson Group of Companies
2000	<b>British Cheverning Scholarship</b> for Young Indian Environmental Managers awarded by British Council, <b>United Kingdom</b> .
1998	<b>Travel grant</b> awarded by <b>University Grants Commission</b> for an International Conference in Australia.
1994	<b>CSIR - Senior Research Fellowship</b> awarded by Council of Scientific and Industrial Research, Govt. of India.
1994	<b>Best Paper award</b> for Presentation in Environmental Ecology and Coastal System Management, Andaman, India
1990	<b>Gold medal</b> for University First Rank in Masters of Science (Environmental Chemistry).

#### **D. Important Special Assignments**

2020	<b>Member</b> in Research Promotion Committee at SRIHER
10 Sep 2020 – 10 Sep 2021	<b>Visiting Faculty</b> in the department of “Integrative Biology at the University of Guelph”.
30 Nov 2019	<b>Examination Committee Member</b> Under The Faculty of Public Health for a Period of 2 Years SRIHER, Porur (30.11.2019-30.11.2021).
26.11.2019- 25.11.2021	<b>Examination standing committee member</b> under Faculty of public health
July 2019	<b>Expert Panel Member</b> , Rajasthan Service Commission, Govt. of India.

2016- till date	<b>Doctoral Committee Member</b> for Ph.D. Candidates, Jerusalem College of Engineering, Anna University.
2018 – till date	<b>Scientific Advisory Member</b> , La Is La Network, USA.
June 2018	<b>Elected Board Member</b> , Consortium for the Epidemic of Nephropathy in Central America and Mexico (CENCAM).
2017- present	<b>“Steering Committee member</b> of the International Collaboration of eGFR in Low and Middle Income populations – the Disadvantaged Populations” eGFR Epidemiology study (DEGREE).Department of Medical Statistics, Faculty of Epidemiology & Population Health London School of Hygiene & Tropical Medicine.
2017	<b>Expert Committee Member</b> in South Zone: Technical session at Regional Consultation for Drafting State Action Plan on Climate Change & Human Health, NCDC, New Delhi, Govt. of India.
2017	<b>WHO Workers Health Expert</b> Consultation on Implementation and Follow-up of The Global Plan of Action on Workers Health in South Asia meeting at New Delhi.
2017	Guest Lecturer at the Occupational Health & Safety Department of Binawan Institute of Health Sciences, East Jakarta- Indonesia.
2017	<b>Expert Member:</b> International Consultative Meeting on Chronic Kidney Disease of Unknown Etiology jointly by the WHO and Presidential Task Force for Prevention of CKDu in Srilanka, Colombo.
2016	<b>Expert Committee Member</b> for “Climate Change, Health Adaptation and Mitigation in southern region of India” by NCDC special Invitation as a National Expert Group on National Action Plan for Climate Change and Health by National Centre for Disease Control (NCDC).
2016	<b>Special Expert Invitee</b> - National Expert Group on Climate Change and Health: Meeting Notice for the Second Meeting has been Constituted by Ministry of Health and Family Welfare, Govt. of India.
2015	<b>Visiting Professor</b> - Meso American Nephropathy (MeN 2015) To the UNA via IRET-SALTRA, COSTA RICA.
2015	<b>Special Expert member</b> invitation for a Round Table on "Health Agriculture Workforce with a Focus on CKDnT" New Delhi, Dec 24 <sup>th</sup> .
2013	<b>Visiting Faculty</b> , Schools of Global Health, Umea University, Sweden, June.
2012	<b>Visiting Faculty</b> , School of Public Health, University of Heidelberg, Germany, May.
2011 – till date	<b>Program- In charge and Course Director</b> , IGNOU Study Centre at SRU.
Jan 2010 – till date	<b>Nodal Officer</b> , Sri Ramachandra University, Task Force on Biomedical Waste Management, Tamilnadu Health Systems Project.
2008 - 2009	<b>Chair</b> , Health and Safety Committee, Johnson and Johnson, Canada.
2006 - 2008	<b>Member</b> , Health and Safety Committee, Johnson and Johnson, Canada.

#### **E. Important Extra-Mural Grants as Principal Investigator**

01-01-2020 to 31-12-2022	Indian PI "Protection Resilience Efficiency and Prevention for workers in industrial agriculture in a changing climate (PREP)" (Belmont Forum grant)
7 <sup>th</sup> Jul, 2020 to 30 <sup>th</sup> Jun 2024	Indian PI "Silica Nephropathy and Chronic Kidney Disease of Unknown Etiology" (R01DK125351) (NIH R01)
2020-2020	Indian PI "Nexus of Covid-19 and extreme heat for poor urban populations in the Global South (Covid-19/Heat Nexus)" The University of Edinburgh.
2020-2021	"Protocol of Heat stress and heat strain assessment in Uddanam Community" (George institute of global Health-DST)
2018-2020	Indian PI "Geographical Information Systems for Epidemiological research-Case Studies With Focus on Chronic Kidney Disease of Unknown Etiology" (Swedish Research Link-Gothenburg University).
2017-2019	Indian PI "Chronic kidney Disease of Unknown Etiology in Central America and Asia – is it the same disease?" (Swedish Research Council).
2017	"Feasibility Study to Explore Links Between Occupational Heat Stress and Renal Health in Industries in Indonesia" (La Isla Network).
2018-2021	"Occupational Heat Stress Implications on Renal Health in the Context of Climate Change" (DST).
2017-2020	Co-PI "Heat Stress Index For India: Projections for Near Future HIIPROF" (DST).
2016 -2018	Co-PI "Air Pollution, Health and Climate in India: Building Capacities for Health Research and Program Evaluation" funded by Indo-US Knowledge Initiative, USIEF.
2013-2016	"Vulnerability Assessment to Heat stress and its impacts on Health and Productivity for select Occupational sectors in the context of Climate Change" (DST).
2012-2014	Indian PI "Sweden-India cooperation on protection of working people from health and productivity risks due to workplace heat exposure and the links to climate change" SIDA.
2010	Principal Investigator for "Hot Occupational Temperatures and Productivity Suppression" with HOTHAPS group of Investigators.

## F. Academic Experience

- Guide/Supervisor for 5 Ph.D. students and Co-Guide for 3 Students.
- Teach Post-Graduate and Graduate Students in the Present Position.
- Approved International Tutor for **British Occupational Hygiene Society**, UK & **NEBOSH**, UK.
- **Trainer** for Co-op Graduate & Post-Graduate University Students, Univ. of Guelph, Canada.
- **Permanent trainer** for Refresher courses in the Joint Health & Safety committee at J& J, Canada.
- **Part-Time Tutor** in Central Queensland University, Australia.

## **G. Recent Peer-reviewed original articles**

1. **Vidhya Venugopal**, Latha PK, Tord Kjellstrom, Rebekah Lucas, Kristina Jakobsson, Jason Glaser, Seichi Horie, Marvin González-Quiroz, Sandra Peraza, Ilana Weiss, David Wegman, Theo Bodin, Cathrina Wessling, Hannu Rintamaki, and Sirkka Rissanen, “Epidemic of heat-related illnesses among workers exposed to hot working environments in the changing climate scenario”. Journal of Climanosco. [https://www.climanosco.org/published\\_article/epidemic-of-heat-related-illnesses-among-workers-exposed-to-hot-working-environments-in-the-changing-climate-scenerio/](https://www.climanosco.org/published_article/epidemic-of-heat-related-illnesses-among-workers-exposed-to-hot-working-environments-in-the-changing-climate-scenerio/).
2. **Vidhya Venugopal**, Latha PK, Shanmugam R, Krishnamoorthy M, Omprashanth R, Lennqvist R, Johnson P. “Epidemiological evidence from south Indian working population—the heat exposures and health linkage”. Journal of Exposure Science & Environmental Epidemiology. 2020 Sep 5:1-0. <https://doi.org/10.1038/s41370-020-00261-w> (Impact factor: 3.531).
3. **Vidhya Venugopal**, Latha, P.K., Shanmugam, R., Krishnamoorthy, M. and Johnson, P., “Occupational Heat Stress Induced Health Impacts: A cross-sectional study from South Indian Working Population”. Advances in Climate Change Research. Vol 11(1), 31-39, 2020, ISSN: 1674-9278. DOI:<https://doi.org/10.1016/j.accre.2020.05.009> (Impact Factor: 3.967).
4. PK Latha, **Vidhya Venugopal**, “Rethinking Workplace Thermal Comfort in Climate Change Context”, Accepted in Journal of Indian Association for Environmental Management, Volume 9 (03), 1726 -1732, March 2020. ISSN 2277-8616. <https://doi.org/10.1080/09613218.2017.1301698>.
5. Varghese JG, **Vidhya Venugopal**, Srinivasan V, Priya GG “Gender Oriented Variations in the Finger Flexion Cascade in Normal Individuals”, International Journal of Physiotherapy. Vol 7(2), 59-68, 2020, ISSN: 2348 – 8336. DOI: <https://doi.org/10.15621/ijphy/2020/v7i2/652> (Impact Factor: Nil).
6. Varghese JG, **Vidhya Venugopal**, Srinivasan V, Priya GG. “A Study on the Normative Values of Finger Flexion Cascade in Power Grip Users and Non-Power Grip Users”. Journal of Clinical & Diagnostic Research. 2020 May 1; 14(5). ISSN: 0973 – 709X, DOI:10.7860/JCDR/2020/43340.13677 (Impact Factor: Nil).
7. **Vidhya Venugopal**, Latha PK, Shanmugam R, Krishnamoorthy M, Srinivasan K, Perumal K, Chinnadurai JS. “Risk of kidney Stone among Workers Exposed to High Occupational Heat Stress-A Case Study from Southern Indian Steel Industry”. Science of the Total Environment. 2020 Mar 6:137619. ISSN: 0048-9697, DOI: <https://doi.org/10.1016/j.scitotenv.2020.137619> (Impact Factor: 6.551).
8. PK Latha, **Vidhya Venugopal**, R.K. Elangovan, M. Neelamegam and S. Rekha. “Thermal discomfort induced health impacts in Indian occupational settings in the climate change scenario, 2019”, Pollution research, Vol 9(3), March 2020, Pg. No.481-488, ISSN No: 0257-8050. Poll Res. 39(2) (Impact Factor: Nil).
9. **Vidhya Venugopal**, Rekha Shanmugam, Priscilla Johnson, Rebekah Ann Isabel Lucas and Kristina Jakobsson, “Heat stress and Inadequate Toilet Access at Work Places in India – APotential Hazard to Working Women in a Changing Climate”, Climanosco Research Articles (2), 1 Oct (2019),ISSN 2673-1568. DOI <https://doi.org/10.37207/CRA.2.4> (Impact Factor: Nil).
10. **Vidhya Venugopal**, Manikandan Krishnamoorthy, Vettriselvi Venkatesan, Vijayalakshmi Jaganathan, Rekha Shanmugam, Karthik Kanagaraj & Solomon F. D. Paul. “Association Between Occupational Heat Stress and DNA Damage in Lymphocytes of Workers Exposed to Hot Working Environments in a Steel Industry in Southern India”. Temperature. (2019) Jul 22:1-4. Print ISSN: 2332-8940 Online ISSN: 2332-8959, DOI: 10.1080/23328940.2019.1632144 (Impact Factor: Nil).

11. Karin Lundgren Kownacki, Siri M. Kjellberg, Pernille Goosh, Marwa Dabaieh & **Vidhya Venugopal**, "Increasing Heat Creates Hardship for Brick Kiln Workers in Chennai, India and the Alternative Pathways Reducing it", *Climanosco Research Articles* (2), (2019). ISSN 2673-1568, DOI <https://doi.org/10.37207/CRA.2.1> (Impact Factor: Nil).
12. Saraswathi Manivannan, **Vidhya Venugopal**, Anupama Kindoo, Ravinder Thiagarajan. "Role of Residential Indoor Dampness and Mould as Determinants of Respiratory Symptoms among Adults". *Indian Journal of Public Health Research & Development*. (2019); 10(6). ISSN: 0976-0245 DOI: 10.5958/0976-5506.2019.01245.2 (Impact Factor: Nil).
13. Saraswathi Manivannan, **Vidhya Venugopal**, Anupama Kindoo, Ravinder Thiagarajan. Housing Characteristics in Developing Countries as Important Determinants of Household Indoor Dampness and Mould. *Indian Journal of Environmental Protection-children in the tropics*; February 2019, 39(2), 100-109. (Impact Factor: Nil).
14. Kuppuswamy Rajarajeswari, **Vidhya Venugopal** & Aruna Subramaniam. "Development and validation of a food frequency questionnaire for pregnant women of Tamil Nadu, India". *International Journal of Nutrition, Pharmacology, Neurological Diseases* 8, no. 3, (2018). 86 ISSN Print: 2231-0738, Online: 2231-2722, DOI: 10.4103/ijnpnd.ijnpnd\_27\_18. (Impact Factor: Nil).
15. **Vidhya Venugopal**, Manikandan Krishnamoorthy, Vettriselvi Venkatesan, Vijayalakshmi Jaganathan, and S. F. D. Paul. "Occupational Heat Stress, DNA damage and Heat Shock Protein-A Review." *Medical Research Archives* 6, no. 1 (2018). Online ISSN: 2375-1924 Print ISSN: 2375-1916 DOI: <https://doi.org/10.18103/mra.v6i1.1631>. (Impact Factor: Nil).
16. Nafeesa MAC, **Vidhya Venugopal**, Anbu V, Rajkumar P. "Perceived Work-Related Psychosocial Stress and Musculoskeletal Disorders Complaints among Call Centre Workers in India—A Cross Sectional Study". *MOJ Anat & Physiol*. (2018); 5(2):81-6eISSN: 2471-139X DOI: 10.15406/mojap.2018.05.00168 (Impact Factor: Nil).
17. **Vidhya Venugopal**, Tord Kjellstrom, Rebekah Lucas, Kristina Jakobsson, Jason Glaser, Seichi Horie, Sirikka Rissenen, Hannu Rintamaki. "Hot Climate and Hot Work Environment: A serious Health Concern for both Indoor and Outdoor Workers." *ICOH Newsletter*, Volume 15, Number 3, 2017, ISSN Print 1459-6792, Online 1795-0260. [http://www.ichweb.org/site/multimedia/newsletter/pdf/ich\\_newsletter\\_vol15\\_no3.pdf](http://www.ichweb.org/site/multimedia/newsletter/pdf/ich_newsletter_vol15_no3.pdf) (Impact Factor: Nil).
18. Karin Lundgren-Kownacki, Siri M. Kjellberg, Pernille Gooch, Marwa Dabaieh, Latha Aanandh & **Vidhya Venugopal**. "Climate Change Induced Heat Risks for Migrant Populations Working at Brick Kilns in India: A Trans Disciplinary Approach," *International Journal of Biometeorology*. Special Issue on Trans-Disciplinary Approaches to Climate Change March, Volume 62, Issue 3, (2017): pp. 347–358 ISSN: 14321254, 00207128, DOI: 10.1007/s00484-017-1476-0.(Impact Factor: 2.680).
19. Manivannan, Saraswathy, **Vidhya Venugopal**, Anupma JyothiKindo, and Rajarajeswari Kuppuswamy. "Method for Assessment of Indoor Household Dampness for its use in Epidemiological Studies in Tropical Settings". *Annals of Tropical Medicine and Public Health* 10, no. 4 (2017): 966, ISSN: 1755-6783, DOI: 10.4103/ATMPH.ATMPH\_298\_17 (Impact Factor: Nil).
20. Rajarajeswari K, **Vidhya Venugopal**, Saraswathy M. "Challenges and Opportunities in Dietary Assessment of Pregnant Women in Tamil Nadu." *Indian J Nutri*. (2017); 4(3): 165, ISSN: 2395-2326, [http: https://www.opensciencepublications.com/fulltextarticles/IJN-2395-2326-4-165.html](https://www.opensciencepublications.com/fulltextarticles/IJN-2395-2326-4-165.html), (Impact Factor: Nil).
21. Srinivasan Krishnan, Archana Prabukumar, K N. Maruthy, Padmavathi Ramaswamy. Jeremiah Chinnadurai & **Vidhya Venugopal**. "Physiological Implications of Occupational Heat Stress for Maintenance Workers in a Residential Complex in Chennai—an Exploratory Intervention trial." *Indian J Physiol Pharmacol* 61, no. 1 (2017): pp. 23-29. ISSN: 00195499. (Impact Factor: Nil).

22. Krishnamoorthy Manikandan, Paramesh Ramalingam, Kumaravel Perumal, Latha Perumal Kamalakannan, Jeremiah Chinnadurai, Rekha Shanmugam, Krishnan Srinivasan, & **Vidhya Venugopal**. "Occupational heat stress impacts on health and productivity in a steel industry in Southern India". *Safety and Health at Work* 8, no. 1 (2017): 99-104. ISSN: 2093-7911 DOI.org/10.1016/j.shaw.2016.08.005. (Impact Factor: 1.945).
23. Srinivasan Krishnan, KN. Maruthy, **Vidhya Venugopal**, & Padmavathi Ramaswamy. "Research in Occupational Heat Stress in India: Challenges and Opportunities". *Indian Journal of Occupational and Environmental Medicine* 20, no. 2 (2016): pp. 73. ISSN-0973-2284, DOI: 10.4103/0019-5278.197522, 73-78. (Impact Factor: Nil).
24. **Vidhya Venugopal**, Shanmugam Rekha, Krishnamoorthy Manikandan, Perumal Kamalakkannan Latha, Viswanathan Vennila, Nalini Ganesan, Perumal Kumaravel, & Stephen Jeremiah Chinnadurai. "Heat stress and Inadequate Sanitary Facilities at Workplaces—an Occupational Health Concern for Women?" *Global Health Action* 9, no. 1 (2016): pp. 31945. ISSN: 16549716, 16549880 DOI: 10.3402/gha.v9.31945. (Impact Factor: 1.817).
25. **Vidhya Venugopal**, Jeremiah Chinnadurai, Rebekah Lucas, Vennila Vishwanathan, Ajit Rajiva, & Tord Kjellstrom. "The Social Implications of Occupational Heat Stress on Migrant Workers Engaged in Public Construction: A Case Study from Southern India". *International Journal of the Constructed Environment* 7, no. 2 (2016). ISSN (Print): 2154-8587 ISSN (Online): 2154-8595 DOI: 10.1108/IJPPM, 08-2014-0121. (Impact Factor: Nil).
26. **Vidhya Venugopal**, Jeremiah Chinnadurai, Rebekah Lucas, & Tord Kjellstrom. "Occupational Heat Stress Profiles in Selected Workplaces in India". *International Journal of Environmental Research and Public Health* 13, no. 1 (2016): pp. 89. ISSN 1660-4601; ISSN 1661-7827 for printed edition DOI: 10.3390/ijerph13010089. (Impact Factor: 2.608).
27. Chinnadurai, Jeremiah & **Vidhya Venugopal**. "Influence of Occupational Heat Stress on Labour Productivity—a Case Study from Chennai, India". *International Journal of Productivity and Performance Management* 65, no. 2 (2016): 245-255. ISSN: 1741-0401. <https://doi.org/10.1108/IJPPM-08-2014-0121> (Impact Factor: Nil).
28. Latha PK, Y. Darshana, & **Vidhya Venugopal**. "Role of Building Material in Thermal Comfort in Tropical Climates—A review". *Journal of Building Engineering* 3 (2015): pp. 104-113. ISSN: 2352-7102 DOI: 10.1016/j.job.2015.06.003 (Impact Factor: 2.89).
29. Krishnan Srinivasan, Archana Prabukumar, Jeremiah Chinnadurai, Padmavathi Ramaswamy & **Vidhya Venugopal**. "Self-Reported Symptoms Due To Heat Stress among Housekeeping Workers of a Residential Complex Maintenance Sector." *Sch. J. App. Med. Sci.*; 3(6A): (2015): pp.2161-2164. ISSN 2320-6691 (Online) ISSN 2347-954X (Print), <http://saspublisher.com/wp-content/uploads/2015/09/SJAMS-36A-2161-2164.pdf>, (Impact Factor: Nil).
30. Lundgren, Karin, Kaley Kuklane, & **Vidhya Venugopal**. "Occupational heat stress and associated productivity Loss Estimation Using the PHS Model (ISO 7933): A case study from workplaces in Chennai, India". *Global Health Action* 7, pp. 1 (2014): pp. 25283. ISSN: 16549716, 16549880, DOI: 10.3402/gha.v7.25283. (Impact Factor: 2.162).
31. Jeremiah Chinnadurai, K.Paari, Krishnendu Mukhopadyay & **Vidhya Venugopal**. "Occupational Health Services in India - Challenges and Opportunities" *Asian-Pacific Newsletter*, Vol.21, (2014): pp. 44-47. (Impact Factor: Nil).
32. Krishnan Balaji, Archana Prabukumar, Madhan Chandran, Jeremiah Chinnadurai, Padmavathi Ramasamy & **Vidhya Venugopal**. "Preliminary assessment of perfusion index, a physiological Measure of Heat Strain among Workers – A cross sectional study" *Bulletin of Physiologists*, Vol. 1, (2013): Pp. 25-29. (Impact Factor: Nil).
33. Balakrishnan Kalpana, Padmavathi Ramaswamy, Sankar Sambandam, Gurusamy Thangavel, Santu Ghosh, Priscilla Johnson, Krishnendu Mukhopadhyay, **Vidhya Venugopal** & Vijayalakshmi Thanasekaran. "Air pollution from Household Solid Fuel Combustion in India: An Overview of Exposure and Health Related Information to Inform Health Research



- Priorities". *Global Health Action* 4, no. 1 (2011): 5638. ISSN: 16549716, 16549880, DOI.org/10.3402/gha.v4i0.5638. (Impact Factor: 2.162).
34. Balakrishnan Kalpana, Sambandam Sankar, Jyothi Parikh, Ramaswamy Padmavathi, Kailasam Srividya, **Vidhya Venugopal**, Swarna Prasad, and Vijay Laxmi Pandey. "Daily Average Exposures to Respirable Particulate Matter from Combustion of Biomass fuels in Rural Households of Southern India". *Environmental Health Perspectives* 110, no. 11 (2002): 1069. ISSN 1552-9924, ISSN-L 0091-6765, DOI.org/10.1289/ehp.021101069. (Impact Factor: Nil).
  35. Padmavathi R, Kalpana Balakrishnan, Sankar S, Srividya K, **Vidhya Venugopal**, Swarna P. "Pulmonary Functions of Rural South Indian Women". *Biomedicine* 21(1); (2001): 23-28. Print ISSN: 0970 2067. (Impact Factor: Nil).
  36. **Vidhya Venugopal**, N. Jothikumar and P.Khanna. "Influence of curing time on the Strength Characteristics and Leachability of Metals from Solidified/Stabilized Cement Matrices". *Waste Management*, Vol.18, Issue 4, (2002): 262-269. ISSN 0956-053X (Impact Factor 5.448).
  37. **Vidhya Venugopal**, N. Jothikumar, S. Subbarao. "A comparative assessment of Bacterial Reduction in Different Biological Waste Water Treatment Systems". *Encology*, Vol.21, (2000): 138-142. (Impact Factor: Nil).
  38. **Vidhya Venugopal**, N. Jothikumar and P. Khanna. "Influence of latex modification of Portland Cement Matrices on the Properties of the Heavy Metal Immobilized Products". *Journal of Applied Polymer Science*, Vol.74, Issue10, (1999): 2482-2487. Print ISSN: 0021-8995 Online ISSN: 1097-4628 (Impact Factor: 2.52).
  39. **Vidhya Venugopal**, N. Jothikumar and P. Khanna. "Solidification/Stabilization of Hazardous Electroplating Sludge Containing Heavy Metals". *International Journal of Environmental Studies*, (1999). ISSN: 00207233, 10290400, (Impact Factor: Nil).
  40. U M, V. Mani, A. Ragunathan, **Vidhya Venugopal**, "Studies on the Ground Water Quality Near Coastal Area in Chengalpattu District". *Encology*. 1997; 12(2) (Impact Factor: Nil).

#### **H. Recent Relevant Indexed Abstracts:**

1. **Vidhya Venugopal**, Latha PK, Rekha S, S. Nandhini and. "Occupational Heat Exposure, Kidney Disease, and Productivity." In *ISEE Conference Abstracts*. In: 32<sup>nd</sup> Annual Conference of the International Society of Environmental Epidemiology" (ISEE). Abstract: "Occupational heat stress and heavy workload induce 'productivity losses'-Epidemiological evidence from a large cross-sectional study in Indian occupational settings" P. No 283.
2. Latha PK, Rekha S, Manikandan K, **Vidhya Venugopal** "Assessment of the thermal discomfort effects on workers' health and productivity -A case study in southern India", Jan, 2020, OCCUCON Abstracts. *Indian J Occup Environ Med* [serial online] 2020 [cited 2020 Mar 11]; 24, Suppl S1:21-41. Available from: <http://www.ijoem.com/text.asp?2020/24/4/21/276209> DOI:10.4103/0973-2284.276209, (Impact Factor: Nil).
3. Rekha S, **Vidhya Venugopal**, Latha PK, Manikandan K, "The Role of Heavy Work Load in Inducing Heat Strain among Workers Exposed to Heat Stress - Study Results from Select Indoor Occupational Sectors in Southern India", Jan, 2020, OCCUCON Abstracts. *Indian J Occup Environ Med* [serial online] 2020 [cited 2020 Mar 11]; 24, Suppl S1:21-41. Available from: <http://www.ijoem.com/text.asp?2020/24/4/21/276209> DOI:10.4103/0973-2284.27620. (Impact Factor: Nil).
4. Manikandan, Latha PK, Rekha Shanmugam, Solomon FD Paul, **Vidhya Venugopal**, "Relationship Between DNA Damage & HSP70 In Workers Exposed to Occupational Heat Stress, Jan, 2020, OCCUCON Abstracts". *Indian J Occup Environ Med* [serial online] 2020

[cited 2020 Mar 11]; 24, Suppl S1:21-41. Available from: <http://www.ijoem.com/text.asp?2020/24/4/21/276209> DOI:10.4103/0973-2284.276209, (Impact Factor: Nil).

5. **Vidhya Venugopal**, "Occupational Heat Stress and Renal health – Is there a connection?" *Indian J Nephrol*, Volume 29 (Suppl 1); 2019 Nov (Impact Factor: 0.271).
6. **Vidhya Venugopal**, PK Latha, Shanmugam Rekha, Krishnamoorthy Manikandan, & Tord Kjellstrom. "O7E. 2 Risk factors for heat strain—comparing indoor and outdoor workers in the changing climate scenario." *Occupational and Environmental Medicine* (2019): pp. A68-A69. DOI: 10.1136/oemed-2019-EPI.184. (Impact Factor: 3.9).
7. P. Johnson, **Vidhya Venugopal**, N. Durairaj, G. Sandeep; "Occupational dust exposure and lung functions of steel industry workers in Tamilnadu – a cross sectional study" *Environmental Epidemiology*, October 2019, 3:186; doi: 10.1097/01.EE9.0000607848.36660.84 (Impact Factor: 3.025).
8. **Vidhya Venugopal**; M, Krishnamoorthy; V, Venkatesan; S, Paul; V, Jaganathan; R, Shanmugam "Occupational Heat Stress and DNA damage among steelworkers in Southern India;" *Environmental Epidemiology*, October 2019,3:411; doi: 10.1097/01.EE9.0000610604.92959.e9 (Impact Factor:3.025).
9. Johnson Priscilla, **Vidhya Venugopal**, P K Latha, S Rekha, K Manikandan, and S Krishnan "Heat stress implications on renal health of steel industry workers" *Indian J Nephrol*. 2018 Dec; 28 (Suppl 1): S1–S27. (Impact Factor: 0.271).
10. **Vidhya Venugopal**, P K Latha, S Rekha, and K Manikandan "The linkage between rising temperatures and renal health: epidemiological evidence from Indian workplaces" *Indian J Nephrol*. 2018 Dec; 28 (Suppl 1): S1–S27. (Impact Factor: 0.271).
11. **Vidhya Venugopal**. "1760 Climate variability impacts on occupational health—research evidence and future steps". *Occup Environ Med* (2018): pp. A4-A4. DOI: 10.1136/oemed-2018-ICOHabstracts. (Impact Factor: 3.9).
12. **Vidhya Venugopal**, Latha Kamalakannan, Rekha Shanmugam, Manikandan Krishnamoorthy, Jeremiah Chinnadurai, and Kumaravel Perumal. "O223 Occupational heat exposures in industries and renal health—findings from India". *BMJ Journals, Occup Environ Med* (2017): pp. A66-A67. DOI: 10.1136/oemed-2017-104636.177. (Impact Factor: 3.9).
13. **Vidhya Venugopal**, Jeremiah Chinnadurai, Shanmugam Rekha, Krishnamoorthy Manikandan, Srinivasan Krishnan, Anandh Latha, and Perumal Kumaravel. "O438 Field study potential in India for occupational heat stress—challenges and opportunities". *Occup Environ Med* (2017): pp. A139-A139. DOI: 10.1136/oemed-2017-104636.363. (Impact Factor: 3.9).
14. Karlsson, Ida, **Vidhya Venugopal**, Anna Suraya, & Kristina Jakobsson. "O451 Perceived heat exposure while at work. A questionnaire study in west java, Indonesia". *BMJ Journals, Institution of Public Health and Community Medicine, Gothenburg, Sweden. Occup. Environ Med* (2017): pp. A143-A143. *Occup Environ Med*: DOI: 10.1136/oemed-2017-104636.373. (Impact Factor: 3.556).
15. Jakobsson, Kristina, Rebekah Lucas, **Vidhya Venugopal**, Jennifer Crowe, Camilla Dahlqvist, Jenny Apelqvist, Ilana Weiss, and Jason Glaser. "O158 Work in heat: a challenge for the kidneys". *BMJ Journals. Occup. Environ Med*: August 2017 (2017): pp. A47-A47. DOI: 10.1136/oemed-2017-104636.126. (Impact Factor: 3.556).
16. **Vidhya Venugopal**, Jeremiah Chinnadurai, Kumaravel Perumal. PK. Latha, Manikandan Krishnamoorthy, and Shanmugam Rekha. "Occupational Heat Exposures and Health Implications—Epidemiological evidence from select India workplaces". In *ISEE Conference Abstracts*. In: *Abstracts of the Conference of the International Society of Environmental Epidemiology (ISEE)*. Abstract [O-184 | ID: 3385]. Research Triangle Park, NC: *Environmental Health Perspectives*, (2016). DOI: 10.1289/ehp.isee2016 (Impact Factor: 8.3).

17. **Vidhya Venugopal** P346 "Exposures to heat stress and inadequate sanitation – implications on occupational health of women in nations". *Occup Environ Med* (2016); 73:A237-A238. Abstracts from 25th EPICOH Conference, Barcelona, Spain, (2016). DOI: 10.1136/oemed-2016-103951.661. (Impact Factor: 3.9).
18. **Vidhya Venugopal**, Jeremiah Chinnadurai, Rebekah Lucas, Tord Kjellstrom, Bruno Lemke. "Climate change implications on occupational health and productivity in TROPICAL countries – study results from India". *International Science Index, Geological and Environmental Engineering* (2016) Vol: 10, No: 5, waset.org/abstracts/43541 Abstracts from ICESCC: 18th International Conference on Earth Science and Climate Change, Montreal, Canada (2016).DOI:10.1999/1307-6892/43541.
19. Kuklane Kalev, Karin Lundgren, Tord Kjellstrom, **Vidhya Venugopal**, Jintu Fan, & George Havenith. "Insulation of traditional Indian clothing: estimation of climate change impact on productivity from PHS (predicted heat strain) model". CIB, 235-243 Proceedings of CIB W099 International Conference Achieving Sustainable Construction Health and Safety, June 2-3, (2014). ISBN: 978-91-7623-005-3.
20. Saraswathy Manivannan, Durairaj N, Umamaheswari Sessa ramakrishnan, Srinivasan N, **Vidhya Venugopal**, Padmavathi Ramaswamy, Pricilla Johnson, Sriram Chandramohan, Thangavel Guruswamy, Santu Ghosh, Kalpana Balakrishnan, "Assessment of respiratory symptoms and pulmonary function in relation to mold and dampness in South India: Preliminary results from the SICAPHE study", September 2013, ISEE Conference Abstracts (Sep 2013) (1): 5358, DOI: 10.1289/isee.2013.P-1-19-03.
21. **Vidhya Venugopal**, Madhan Chandran, Krishnan Srinivasan, Archana Prabukumar, Jeremiah Chinnadurai, Padmavathi Ramaswamy & Tord Kjellstrom. "Occupational heat exposures on working people: A systematic review". Abstract Number: 4929 | ID: O-3-40-05. The joint ISEE, ISES, ISIAQ and Swiss TPH conference on 'Environment and Health – Bridging South, North, East and West, Basel, Switzerland, August 19<sup>th</sup>- 23<sup>rd</sup>, (2013).
22. Rebekah Lucas, Tord Kjellstrom, **Vidhya Venugopal**, Olivia Hyatt & Bruno Lemke. "Mapping environmental heat stress variables in relation to climate change: examples from India". Abstract Number: 5436 | ID: P-3-12-19. The Joint ISEE, ISES, ISIAQ and Swiss TPH conference on 'Environment and Health – Bridging South, North, East and West', Basel, Switzerland, August 19<sup>th</sup> - 23<sup>rd</sup>, (2013).
23. Kirk R. Smith, Tord Kjellstrom, **Vidhya Venugopal**, Bruno Lemke & Rebekah Lucas. "Work, Heat, and Climate Change: Outdoors and Indoors" Indoor Climate Implications of Extreme Outdoor Climates S-3-20-02. The joint ISEE, ISES, ISIAQ and Swiss TPH conference on 'Environment and Health – Bridging South, North, East and West', Basel, Switzerland, Aug 19<sup>th</sup> - 23<sup>rd</sup>, (2013).
24. Kalpana Balakrishnan, Sankar Sambandam, Santu Ghosh, Thangavel Guruswamy, Krishnendu Mukhopadhyay & **Vidhya Venugopal**, "Implementing the recommendations of the WHO indoor air quality guidelines to address household air pollution: a country perspective from India", The joint ISEE, ISES, ISIAQ and Swiss TPH conference on 'Environment and Health – Bridging South, North, East and West', Basel, Switzerland, August 19<sup>th</sup>- 23<sup>rd</sup>, (2013).
25. Guruswamy Thangavel, Santu Ghosh, Sankar Sambandam, Krishnendu Mukhopadhyay, **Vidhya Venugopal**, Venkatesan Dasu, Kalpana Balakrishnan, Nigel Bruce & Kirk R. Smith, "Household air pollution and exposures: a systematic review of literature for the revised global household air pollution database", The joint ISEE, ISES, ISIAQ and Swiss TPH conference on 'Environment and Health – Bridging South, North, East and West', Basel, Switzerland, August 19<sup>th</sup>- 23<sup>rd</sup> (2013).

## I. Recent representation in National/International Conferences

1. **Dr. Vidhya Venugopal\***, Manikandan Krishnamoorthy\*, Dr. Vettriselvi Venkatesan “Molecular level impacts of heat stress and Implications on human health – Explaining with evidence through a case study”.
2. **Vidhya Venugopal** “Occupational Heat Exposure, Kidney Disease, and Productivity” Organized by ISEE 32<sup>nd</sup> Annual Conference of the International Society for Environmental Epidemiology “Advancing Environmental Health in a changing world” on 27<sup>th</sup> Aug 2020.
3. Rekha S, **Vidhya Venugopal**, Latha PK, Manikandan K, “The Role of Heavy Work Load in Inducing Heat Strain among workers exposed to Heat Stress - Study Results from Select Indoor Occupational Sectors in Southern India”, 70th Annual Conference of International conclave on occupational health, OCCUCON, Mumbai, January 28<sup>th</sup>-February 1<sup>st</sup> 2020.
4. Latha PK, Rekha S, Manikandan K, **Vidhya Venugopal** “Assessment of the thermal discomfort effects on workers health and productivity -A case study in southern India”, 70th Annual Conference of International conclave on occupational health, OCCUCON, Mumbai, January 28<sup>th</sup>-February 1<sup>st</sup> 2020.
5. **Vidhya Venugopal**, “Climate Change and impact of heat on rural workers”, ICOH Scientific Committees programme on “SC Rural Health, Agriculture & SC Small Scale Enterprises and Informal Sector” in 70th Annual Conference of ICOH - OCCUCON 2020, Mumbai, India on Jan, 29<sup>th</sup> 2020.
6. **Vidhya Venugopal**, “Heat stress, physiological strain and kidney function in outdoor workers - Results from Indian sub-continent”, 3rd International forum on “Climate change and health response” in the Asia International hotel in Guangzhou, China on December 16-20, 2019.
7. **Vidhya Venugopal**, “Occupational Safety, Health and Environment at Workplace” and in consideration of the above, Madras Management Association in collaboration with the Regional Labour Institute, Chennai is organizing the Seventh Batch of the 5 day Certificate Course on **Occupational Safety** from 9th to 13th December, 2019.
8. **Vidhya Venugopal (key note speaker)**, “Occupational Heat Stress impacts on Health and Performance in changing climate scenario- Current and potential future in a developing country setting”, in International conference on thermal stress held in Kitakyushu International conference center, Fukuoka, Japan on October 27-28<sup>th</sup>, 2019.
9. **Vidhya Venugopal\***, Manikandan Krishnamoorthy, Vettriselvi Venkatesan, Vijayalakshmi Jaganathan, Solomon FD Paul, “Occupational Heat Stress and DNA damage among steelworkers in Southern India”, 31st Annual conference of the International Society for Environmental Epidemiology (ISEE 2019) held in Utrecht, The Netherlands on August 25 - 28, 2019.
10. **Vidhya Venugopal**, Latha Kamalakannan PK, Rekha S. Manikandan. K, Priscilla Johnson, “Occupational Heat Stress induced health impacts – A cross-sectional study from Southern India” Joint Conference of the International Society of Exposure Science & International Society of Indoor Air Quality and Climate (ISES-ISIAQ) on “The Built, Natural, And Social Environments: Impacts on Exposures, Health and Well-Being”, Kaunas-Lithuania August 18-22, 2019.
11. **Vidhya Venugopal** “Consortium for Health effects of Air Pollution Research in India (CHAIR India)” at New Delhi, India, May 14<sup>th</sup> & 15<sup>th</sup>, 2019.
12. **Vidhya Venugopal**, “Risk Factors for Heat Strain - Comparing indoor and outdoor workers in the changing Climate scenario”, 27th International Epidemiology in Occupational Health (EPICOH), Wellington, New Zealand, April 30<sup>th</sup>- May 2<sup>nd</sup>, 2019.
13. **Vidhya Venugopal**, “Silica symposium at the International convention”, Australia, May 10, 2019.
14. **Vidhya Venugopal**, “Occupational Heat Stress and Chronic Kidney Disease (CKD) for sugarcane workers in different geographic location of India”, The Third International Workshop on Chronic Kidney Diseases Of Uncertain /non-traditional etiology in Mesoamerica and other Regions, San José Costa Rica, March 20<sup>th</sup>-22<sup>nd</sup>, 2019.

15. PK Latha, **Vidhya Venugopal**, R.K. Elangovan, M. Neelamegam & S. Rekha. "Climate Change, thermal comfort and energy demand in Indian occupational Settings – Finding a sustainable solution using building materials", National Conference on Water, Energy and Environment in Hindustan Institute of Technology And Science at Chennai, March 21<sup>st</sup>& 22<sup>nd</sup>, 2019.
16. Rekha Shanmugam, Nivi M.R, Kumaravel Perumal, Latha PK, **Vidhya Venugopal**. "Occupational heat stress on construction workers- A case study from southern India", National Conference on Water, Energy and Environment in Hindustan Institute of Technology And Science at Chennai, March 21<sup>st</sup>& 22<sup>nd</sup>, 2019.
17. S. Nandhini, M.R. Nivi, Shanmugam Rekha, PK Latha, Perumal Kumaravel & **Vidhya Venugopal**, "Work related exposure profiles and related health outcomes-A case study with construction workers in Chennai", National Conference on Water, Energy and Environment in Hindustan Institute of Technology And Science at Chennai, March 21<sup>st</sup>& 22<sup>nd</sup>, 2019.
18. Robin Lennqvist, **Vidhya Venugopal**, PK Latha, Manikandan Krishnamoorthy, Rajagurusamy Balakrishnan, S. Nandhini, Kannan Ragavan, Rekha Shanmugam & Kristina Jakobsson. "A field study on occupational heat stress and renal health among salt pan workers in South India" Poster presentation in Third International Workshop on Chronic Kidney Diseases of Uncertain/non-traditional Etiology in Mesoamerica and Other Regions, Costa Rica organized by Consortium on the Epidemic of Nephropathy in Central America and Mexico (CENCAM) held on March 20<sup>th</sup> - 22<sup>nd</sup>, 2019.
19. **Vidhya Venugopal**, "Noise Monitoring, 2<sup>nd</sup> National Conference on Quality, Safety and Occupational Health SHOQ-CON 2019", CMC Vellore on February 2<sup>nd</sup>, 2019.
20. **Vidhya Venugopal**, as participant in "The First Global Forum on Heat and Health" to discuss on "Heat and health in India", organized by "Global Heat Health Information Network" at University of Hong Kong on December 17<sup>th</sup>-20<sup>th</sup>, 2018.
21. **Vidhya Venugopal**, "The linkage between rising temperatures and Renal Health Epidemiological evidence from Indian workplaces". Annual congress of the Indian Society of Nephrology, Bhuvaneshwar, December 20<sup>th</sup> – 23<sup>rd</sup>, 2018.
22. Johnson Priscilla, **Vidhya Venugopal**, Latha PK, Rekha S, Manikandan Krishnamoorthy & Krishnan S. "Heat Stress Implications On Renal Health Of Steel Industry", Annual congress of the Indian Society of Nephrology, Bhuvaneshwar, December 20<sup>th</sup> – 23<sup>rd</sup>, 2018.
23. **Vidhya Venugopal**, "National Seminar on Selection, Procurement, Use, Maintenance and Storage of Respiratory & Non respiratory Personal Protective Equipment (PPE) In Industries; RLI, Chennai November 22<sup>nd</sup>, 2018.
24. **Vidhya Venugopal**, "Assessment of Occupational Heat Stress- Induced Physiological Strain – Study results for India", 7<sup>th</sup> International Conference on the Physiology and Pharmacology of Temperature Regulation in Split, Croatia, October 7<sup>th</sup> – 12<sup>th</sup>, 2018.
25. **Vidhya Venugopal**. "Heat stress Global perspective"- Plenary speech at the 32<sup>nd</sup> Triennial Congress Of the International Commission On Occupational Health (ICOH), Dublin, Ireland, April 29<sup>th</sup>-May 4<sup>th</sup>, 2018.
26. Naomi Lemuel, **Vidhya Venugopal**. "Automation of Disaggregation of Land Surface Temperature by Development of an Idl Widget Application", Poster Presentation at Geospatial World Forum, Hyderabad India, 2018.
27. **Vidhya Venugopal**, "Occupational risks factors and renal health in climate change context" International Conference of the Pacific Basin Consortium for Environment and Health, PHFI, New Delhi, 2017.
28. **Vidhya Venugopal\***, PK. Latha, S. Rekha, K. Manikandan, S. Jeremiah Chinnadurai P. Kumaravel, "Occupational Heat Stress Exposures In Industries And Renal Health – Findings" From India Oral Presentation, EPICOH Conference Edinburgh(Scotland), August 27<sup>th</sup> - Sep 1<sup>st</sup>, 2017.

29. **Vidhya Venugopal**, S. Jeremiah Chinnadurai, S. Rekha, K. Manikandan, S. Krishnan, PK. Latha. P. Kumaravel, "Field Study Potential in Occupational Heat Stress in India – Challenges & Opportunities", Poster Presentation EPICOH Conference Edinburgh, August 27<sup>th</sup> -Sep 1<sup>st</sup>, 2017.
30. **Vidhya Venugopal**, Jeremiah S. Chinnadurai, P. Kumaravel, Latha. PK, Manikandan. K, Rekha.S. "Occupational Heat Exposures and Health Implications – Epidemiological evidence from select India workplaces", 28th International Conference of International Society of Environmental Epidemiology, Rome. Sep 1<sup>st</sup>-4<sup>th</sup>, 2016.
31. **Vidhya Venugopal**, S. Rekha, K. Manikandan, PK Latha, P. Kumaravel, Jeremiah S.Chinnadurai. "Exposures to heat stress and inadequate sanitation - Implications on occupational health of women in developing nations", Epidemiology in Occupation Health Conference, Barcelona, Spain, Sep 4<sup>th</sup>-7<sup>th</sup>,2016
32. **Vidhya Venugopal**. "Vulnerability to heat stress and its impact on health and productivity in the context of climate change". Health Risks and Responses to Climate in South Asia (India), 1<sup>st</sup>South Asia climate Services Forum for Health (CSF-Health), Srilanka, 2016.
33. **Vidhya Venugopal**. "Heat Stress Exposures on Kidney Dysfunction-an Exploratory study in a steel Industry", International Workshop on Mesoamerican Nephropathy, November18<sup>th</sup>-20<sup>th</sup>,San Jose, Costa Rica, 2015.
34. **Vidhya Venugopal**, Kate Vavra-Musser<sup>2</sup>, Kirk R Smith. "Exposure Assessment of Wet Bulb Globe temperature stress in rural India", International Society of exposure Science Annual Meeting, Henderson, NV, USA, Oct 19th-22nd, 2015.
35. **Vidhya Venugopal**, Jeremiah Chinnadurai, Latha. K, Manikandan. K, Rekha. S, "Occupational Heat Stress & Climate Change implications – An Indian Perspective". "Walk the Heat" International conference. Lund, Sweden, May 20th-21st, 2015.
36. **Vidhya Venugopal**, Jeremiah Chinnadurai, Kumaravel. P, Paramesh. R, Vennila. V, Latha. K, "Climate Change and Heat stress – Cause for a silent epidemic?" "Assessing the Impact of Aerosols & Changing Climate on Monsoon & Extreme Events", Climate Change Work Shop at Ansal University, Gurgoan, UP, India in Jan 12<sup>th</sup>, 2014.
37. **Vidhya Venugopal**, "Climate change on population health and well-being in Asia", International conference by the United Nations University-International Institute for Global Health (UNU-IIGH), Kuala Lumpur, Malaysia. 10th-11<sup>th</sup>April, 2014.
38. **Vidhya Venugopal**, Jeremiah Chinnadurai, Venilla.V, AjithRajiva, Rebekah Lucas, Tord Kjellstrom "The social implications of occupational heat stress on migrant workers engaged in public construction: A case study from South India." International Conference on Constructed Environment, Philadelphia, Oct 10th-12th, USA, 2014.
39. **Vidhya Venugopal**, Jeremiah Chinnadurai, Venkatesh Dasu, Tord Kjellstrom "Comparative Assessment of Heat Stress Impacts in Formal vs Informal Work Sectors in Chennai, India", International Conference on Occupational Health & Safety Summit, Philadelphia, Sep 5th-7th, USA, 2012.
40. **Vidhya Venugopal**, Jeremiah Chinnadurai, Venkatesh Dasu, Tord Kjellstrom. "Occupational heat stress in construction industry – implications on health and social life", International Conference on Occupational Heat Exposure Indicators for use in Climate Changes Health Impact Assessments, Lund, Sweden, Aug 13th-15th, 2012.
41. Tord Kjellstrom, **Vidhya Venugopal**, Bruno Lemke. "Comparing different indexes to quantify occupational heat exposure" International Congress on Occupational Health, Cancun, Mexico, March 19<sup>th</sup>-21<sup>st</sup>, 2012.
42. **Vidhya Venugopal**. Presentation theme of "Coping with Challenges of Occupational and Environment Health in the Context of Globalization" in the 4th International Scientific Conference on Occupational and Environmental Health, National Institute of Occupational & Environmental Health, Hanoi, Vietnam, Nov 26th-27<sup>th</sup>, 2012.

## **J. Books and book chapters**

1. WHO-WMO Heat Stress manual - Chapter 5- Assessment of occupational exposure to heat; Chapter 6: Controls of heat exposure; Chapter 7: Development of Heat Action Plans to minimize adverse effects on workers (In press).
2. Working Group Report “Heat Stress, dehydration and Kidney disease for CENCAM as lead author” (In press)
3. **Vidhya Venugopal**. BHM 101 Fundamentals: Environmental and Health, Health care waste Management and Regulations 1) Block 3: Need for sound Health care waste management: Unit 10 Impact of Hazardous Waste from Health Care Facilities on Human Health and Environment, (2018). ISBN: 978-93-87960-62-6.
4. **Vidhya Venugopal**. BHM 102 Health Care Waste Management: Concepts, Technologies and Training, Block 2: Systems and Technologies in Health care waste management Unit 21: Burn Technologies, Unit 22: Incineration, Unit 23: Principles of Non-Burn Technologies, Unit 24: Non-Burn Technologies, Unit 25: Waste Disposal Options. (2018) ISBN: 978-93-87960-85-5.
5. **Vidhya Venugopal**. BHME 101 Relationships between Health and Environment, Unit 1: Environment and Health, (2018). ISBN: 978-93-88498-08-1.
6. Kjellstrom Tord, Lucas, Bruno Lemke, Otto and **Vidhya Venugopal**. Measuring and Estimating Occupational Heat Exposure and Effects in Relation to Climate Change: “Hothaps” tools for Impact Assessments and Prevention Approaches. In: Butler and Soskolne, eds. Climate Change and Global Health, (2014). ISBN: 9781780642659.
7. Kjellstrom Tord, Bruno Lemke and **Vidhya Venugopal**. Occupational Health and Safety Impacts of Climate Conditions. Climate Vulnerability: Understanding and Addressing Threats to Essential Resources. Elsevier Inc., Academic Press, 145–156, (2013). ISBN: 9780123847034.
8. **Vidhya Venugopal**. Chapter 32: Strategies for Prevention of Environmental Health Hazards- Human and Animal Health: Environmental Perspectives Satish Serial Publishing House (SSPH), Delhi 110 033, (2013). ISBN: 978-93-81226-30-8.
9. Krishnendu Mukhopadhyay & **Vidhya Venugopal**. Workplace Environmental Hazard Mitigation in Chemical Industries Environmental Health: Human and Animal Risk Mitigation. Satish Serial Publishing House (SSPH), Delhi 110 033, (2012). ISBN: 978-93-81226-30-8.

#### **K. National/International Invited Talks**

1. **Vidhya Venugopal**, Guest Lecture on “Occupational Safety and Health in Automobile Industry” at Regional Labour Institute, Chennai, on February 28<sup>th</sup>, 2019.
2. **Vidhya Venugopal**, Guest Lecture on “Safety of chemical handling at workplaces” at SRI Ramachandra Institute of Higher education and Research, Chennai, on February 20<sup>th</sup>, 2019.
3. **Vidhya Venugopal**, Guest Lecture on “Noise monitoring” in the Christian Medical College, Vellore, Chennai, on February 2<sup>nd</sup>, 2019.
4. **Vidhya Venugopal**, Guest Lecture on “Environmental Risk Factors For Renal Health – An Overview” in the Department of Anatomy at Sree Balaji Medical College & Hospital, Chrompet Chennai, on December 13<sup>th</sup>, 2018.
5. **Vidhya Venugopal**, Guest Lecture for the workshop on “Occupational Safety & Risk Management” on “Work environment monitoring” organized by the Department of Chemical Engineering at Hindustan Institute of Technology & Science, Chennai on December 8<sup>th</sup>, 2018.
6. **Vidhya Venugopal**, Guest Lecture for the “Occupational Safety Certificate Course” on “Work environment monitoring” organized by Regional Labour Institute - Madras management Association, Chennai, India, on November 28<sup>th</sup>, 2018.
7. **Vidhya Venugopal**, “Green Skill Development Programme of the Ministry of Environment, Forest & Climate Change (MoEF&CC)”, Guest Lecture on Bio medical waste management, C.P.R Environmental Education Centre (CPREEC’s), Chennai, India, August 21<sup>st</sup>, 2018.
8. **Vidhya Venugopal**, Guest Lecture for the “Occupational Safety Certificate Course” on “Selection, procurement of PPE,” organized by Regional Labour Institute - Madras Management Association, Chennai, India, November 28<sup>th</sup>, 2018.

9. **Vidhya Venugopal**, Conducted a training course for FL Smidth India Pvt. Ltd workers on “Ergonomics at work place and Stress at work during” at Chennai, India on November 14th, 2018.
10. **Vidhya Venugopal**, Guest lecturer in a National Seminar “Occupational Health & Safety – Ventilation & Heat Stress” on “Heat stress-an Overview” at Regional Labour Institute, Chennai, India, June 29<sup>th</sup>, 2018.
11. **Vidhya Venugopal**, “Green Skill Development Programme of the Ministry of Environment, Forest & Climate Change (MoEF&CC)”, Guest Lecture on Bio medical waste management, C.P.R Environmental Education Centre (CPREEC’s), Chennai, India, August 21<sup>st</sup>, 2018.
12. **Vidhya Venugopal**, International Women’s Day “Time Is Now: Rural and Urban Activities Transforming Women’s Lives” March 28<sup>th</sup>, 2018.
13. **Vidhya Venugopal**, “Occupational Health & Safety – Ventilation & Heat Stress – An Overview” National Seminar at Regional Labor Institute, Chennai, India, June 29<sup>th</sup>, 2018.
14. **Vidhya Venugopal**, Guest Lecture on “Occupational medicine & environmental study - and heat stress management & measurement” organized by Binawan Institute of Health Sciences, Jakarta, Indonesia, on Aug 9<sup>th</sup>- 15<sup>th</sup> 2017.
15. **Vidhya Venugopal**, OSH Conference on “Occupational safety and health “at Chennai Trade Centre, Chennai, June 29<sup>th</sup>-30<sup>th</sup>, 2017
16. **Vidhya Venugopal**, WHO “Global plan of action on workers” Health in South Asia, New Delhi, India December 5<sup>th</sup> - 7<sup>th</sup>, 2017.
17. **Vidhya Venugopal**, National workshop on “Work Place Stress Management at, Chennai, India”, July 04<sup>th</sup>, 2016.

#### **L. Documentary:**

**Vidhya Venugopal**: Interview on Participated in documentary titled “Incalescence at SRIHER”, Chennai on 31.10.2019.

#### **M. Appreciation:**

1. An Item of Interest from Environmental Epidemiology “Occupational Heat Stress and DNA damage among steelworkers in Southern India”.
2. An Item of Interest from Environmental Epidemiology “Occupational dust exposure and lung functions of steel industry workers in Tamilnadu – a cross sectional study”.
3. Publication in the Science WIRE Magazine “ENVIRONMENT, GOVERNMENT, LABOUR, RIGHTS- How Inequality Is Aggravating the Impact of Climate Change for Millions in India”.
4. BBC News Climate Change: Summer could become ‘too hot for humans’.

#### **N. Magazines**

1. Publication in the Science WIRE Magazine “ENVIRONMENT, GOVERNMENT, LABOUR, RIGHTS- How Inequality Is Aggravating the Impact of Climate Change for Millions in India”.
2. BBC News Climate Change: Summer could become ‘too hot for humans’.