**Supplementary Table 1. Articles included in the mapping and their respective methodological approach category**

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| **Reference** | **Article title** | **Category** |
| [44]  | A case-crossover study of heat exposure and injury risk in outdoor agricultural workers | Observational |
| [161]  | A Review of Measures against Increasing Temperature and Climate Change for the Safeguard of Workers in India | Discussion |
| [197] | Advancing the framework for considering the effects of climate change on worker safety and health | Synthesis |
| [57]  | Air temperatures and occupational injuries in the construction industries: A report from northern Italy (2000–2013) | Observational |
| [159]  | An Overview of Occupational Risks From Climate Change | Discussion |
| [195]  | Are workers at risk of occupational injuries due to heat exposure? A comprehensive literature review | Synthesis |
| [119]  | Assessing Climate Change and Heat Stress Responses in the Tarai Region of Nepal | Experimental |
| [29]  | Assessing heat stress and health among construction workers in a changing climate: A review | Synthesis |
| [111]  | Assessment of heat stress exposure among construction workers in the hot desert climate of Saudi Arabia | Experimental |
| [166]  | Assessment of the economic impacts of heat waves: A case study of Nanjing, China | Discussion |
| [94]  | Association between heat stress and occupational injury among Thai workers: Findings of the Thai Cohort Study | Observational |
| [40]  | Association between high ambient temperature and acute work-related injury: a case-crossover analysis using workers' compensation claims data | Observational |
| [51]  | Association between high temperature and work-related injuries in Adelaide, South Australia, 2001-2010 | Observational |
| [92]  | Association between occupational heat stress and kidney disease among 37 816 workers in the Thai Cohort Study (TCS) | Observational |
| [143]  | Barriers to occupational heat stress risk adaptation of mining workers in Ghana | Experimental |
| [112]  | Case studies on heat stress related perceptions in different industrial sectors in southern India | Experimental |
| [47]  | Characterising the impact of heatwaves on work-related injuries and illnesses in three Australian cities using a standard heatwave definition- Excess Heat Factor (EHF) | Observational |
| [61]  | Characterizing occupational heat-related mortality in the United States, 2000-2010: An analysis using the census of fatal occupational injuries database | Observational |
| [185]  | Climate change adaptation in South Africa: a case study on the role of the health sector | Synthesis |
| [160]  | Climate change and agricultural workers’ health in Ecuador: occupational exposure to UV radiation and hot environments | Discussion |
| [169]  | Climate change and occupational allergies: an overview on biological pollution, exposure and prevention | Discussion |
| [180]  | Climate Change and Occupational Health and Safety in a Temperate Climate: Potential Impacts and Research Priorities in Quebec, Canada | Synthesis |
| [72]  | Climate change and occupational health: A South African perspective | Observational |
| [142]  | Climate change and occupational heat stress risks and adaptation strategies of mining workers: Perspectives of supervisors and other stakeholders in Ghana | Experimental |
| [173]  | Climate change and rising heat: Population health implications for working people in Australia | Discussion |
| [168]  | Climate change and safety at work with ionizing radiations | Discussion |
| [176]  | Climate change impact on microclimate of work environment related to occupational health and productivity | Discussion |
| [25]  | Climate change impacts on heat stress in Brazil—Past, present, and future implications for occupational heat exposure | Observational |
| [138]  | Climate change impacts on working people (the HOTHAPS initiative): findings of the South African pilot study | Experimental |
| [144]  | Climate change induced occupational stress and reported morbidity among cocoa farmers in South-Western Nigeria | Experimental |
| [28]  | Climate change, vector-borne diseases and working population | Synthesis |
| [68]  | Climate Change, Workplace Heat Exposure, and Occupational Health and Productivity in Central America | Observational |
| [171]  | Climate change: the potential impact on occupational exposure to pesticides | Discussion |
| [116]  | Climate change-induced heat risks for migrant populations working at brick kilns in India: a transdisciplinary approach | Experimental |
| [125]  | Climate conditions and work-related fatigue among professional drivers | Experimental |
| [174]  | Climate conditions, workplace heat and occupational health in South-East Asia in the context of climate change | Discussion |
| [139]  | Construction Workers in a Climate Precarious World | Experimental |
| [76]  | Cost of preventing workplace heat-related illness through worker breaks and the benefit of climate-change mitigation | Observational |
| [128]  | Critical body temperature profile as indicator of heat stress vulnerability | Experimental |
| [97]  | Current and future heat stress in Nicaraguan work places under a changing climate | Observational |
| [58]  | Do exposure to outdoor temperatures, NO 2 and PM 10 affect the work-related injuries risk? A case-crossover study in three Italian cities, 2001-2010 | Observational |
| [43]  | Does hot weather affect work-related injury? A case-crossover study in Guangzhou, China | Observational |
| [91]  | Economic costs of heat-induced reductions in worker productivity due to global warming | Observational |
| [90]  | Economic Losses of Heat-Induced Reductions in Outdoor Worker Productivity: a Case Study of Europe | Observational |
| [38]  | Effect of summer outdoor temperatures on work-related injuries in Quebec (Canada) | Observational |
| [81]  | Effects of climate change-related heat stress on labor productivity in South Korea | Observational |
| [129]  | Effects of heat stress on construction labor productivity in Hong Kong: A case study of rebar workers | Experimental |
| [188]  | Effects of Heat Stress on Working Populations when Facing Climate Change | Synthesis |
| [107]  | Effects of occupational heat exposure on female brick workers in West Bengal, India | Experimental |
| [109]  | Epidemiological evidence from south Indian working population—the heat exposures and health linkage | Experimental |
| [30]  | Escalating environmental summer heat exposure—a future threat for the European workforce | Observational |
| [75]  | Estimating population heat exposure and impacts on working people in conjunction with climate change | Observational |
| [59]  | Estimation of work-related injury and economic burden attributable to heat stress in Guangzhou, China | Observational |
| [60]  | Evaluating the effectiveness of labor protection policy on occupational injuries caused by extreme heat in a large subtropical city of China | Observational |
| [155]  | Evaluating the impacts of high-temperature outdoor working environments on construction labor productivity in China: A case study of rebar workers | Experimental |
| [100]  | Evaluation of heat stress and cumulative incidence of acute kidney injury in sugarcane workers in Guatemala | Experimental |
| [55]  | Evaluation of the impact of ambient temperatures on occupational injuries in Spain | Observational |
| [183]  | Evaluation of the impact of heat stress on the occurrence of occupational injuries: Meta-analysis of observational studies | Synthesis |
| [126]  | Evaluation of wearable sensors for physiologic monitoring of individually experienced temperatures in outdoor workers in southeastern US | Experimental |
| [175]  | Excessive occupational heat exposure: A significant ergonomic challenge and health risk for current and future workers | Discussion |
| [102]  | Exertional heat illness: knowledge and behavior among construction workers | Experimental |
| [49]  | Extreme heat and occupational heat illnesses in South Australia, 2001-2010 | Observational |
| [42]  | Factors affecting heat-related diseases in outdoor workers exposed to extreme heat | Observational |
| [130]  | Farmer health and adaptive capacity in the face of climate change and variability. part 1: Health as a contributor to adaptive capacity and as an outcome from pressures coping with climate related adversities | Experimental |
| [133]  | Farmer health and adaptive capacity in the face of climate change and variability. part 2: Contexts, personal attributes and behaviors | Experimental |
| [137]  | Farmers' perceived risks of climate change and influencing factors: A study in the Mekong Delta, Vietnam | Experimental |
| [131]  | Female Farmworkers’ Perceptions of Heat-Related Illness and Pregnancy Health | Experimental |
| [98]  | Future risk of dengue fever to workforce and industry through global supply chain | Observational |
| [46]  | Geographical variation in risk of work-related injuries and illnesses associated with ambient temperatures: A multi-city case-crossover study in Australia, 2005-2016 | Observational |
| [167]  | Global and Mediterranean climate change: a short summary | Discussion |
| [182]  | Health effects of environmental exposures, occupational hazards and climate change in Ethiopia: Synthesis of situational analysis, needs assessment and the way forward | Synthesis |
| [114]  | Health impact of climate change on occupational health and productivity in Thailand | Experimental |
| [196]  | Health Impacts of Workplace Heat Exposure: An Epidemiological Review | Synthesis |
| [140]  | Health vs. wealth: Employer, employee and policy-maker perspectives on occupational heat stress across multiple European industries | Experimental |
| [165]  | Heat Exposure and Occupational Injuries: Review of the Literature and Implications | Discussion |
| [105]  | Heat exposure and productivity in orchards: Implications for climate change research | Experimental |
| [152]  | Heat exposure in sugarcane harvesters in Costa Rica | Experimental |
| [153]  | Heat exposure in sugarcane workers in Costa Rica during the non-harvest season | Experimental |
| [163]  | Heat exposure in the Canadian workplace | Discussion |
| [154]  | Heat exposure on farmers in northeast Ghana | Experimental |
| [106]  | Heat exposure, cardiovascular stress and work productivity in rice harvesters in India: Implications for a climate change future | Experimental |
| [31]  | Heat stress and inadequate sanitary facilities at workplaces - an occupational health concern for women? | Experimental |
| [74]  | Heat stress and occupational health and safety - Spatial and temporal differentiation | Observational |
| [151]  | Heat stress causes substantial labour productivity loss in Australia | Experimental |
| [54]  | Heat Stress Impacts on Cardiac Mortality in Nepali Migrant Workers in Qatar | Observational |
| [145]  | Heat waves occurrence and outdoor workers’ self-assessment of heat stress in Slovenia and Greece | Experimental |
| [179]  | Heat, Human Performance, and Occupational Health: A Key Issue for the Assessment of Global Climate Change Impacts | Discussion |
| [192]  | Heat-health vulnerability in temperate climates: lessons and response options from Ireland | Synthesis |
| [53]  | Heat-related deaths among construction workers in the United States | Observational |
| [148]  | Heat-related illness knowledge and practices among California hired farm workers in the MICASA study | Experimental |
| [79]  | Heat-related productivity loss: benefits derived by working in the shade or work-time shifting | Observational |
| [48]  | Heatwave and work-related injuries and illnesses in Adelaide, Australia: a case-crossover analysis using the Excess Heat Factor (EHF) as a universal heatwave index | Observational |
| [117]  | How are healthy, working populations affected by increasing temperatures in the tropics? Implications for climate change adaptation policies | Experimental |
| [135]  | Identification of barriers to the prevention and treatment of heat-related illness in Latino farmworkers using activity-oriented, participatory rural appraisal focus group methods | Experimental |
| [96]  | Identification of Workers Exposed Concomitantly to Heat Stress and Chemicals | Observational |
| [172]  | Impact of climate change on occupational exposure to solar radiation | Discussion |
| [187]  | Impact of climate change on occupational health and productivity: A systematic literature review focusing on workplace heat | Synthesis |
| [86]  | Impact of Climate Conditions on Occupational Health and Related Economic Losses: A New Feature of Global and Urban Health in the Context of Climate Change | Observational |
| [23]  | Impacts of Climate Change on Outdoor Workers and Their Safety: Some Research Priorities | Synthesis |
| [80]  | Implications for workability and survivability in populations exposed to extreme heat under climate change: a modelling study | Observational |
| [84]  | Influence of climate change on summer cooling costs and heat stress in urban office buildings | Observational |
| [101]  | Influence of occupational heat stress on labour productivity - a case study from Chennai, India | Experimental |
| [99]  | Intervention to reduce heat stress and improve efficiency among sugarcane workers in El Salvador: Phase 1 | Experimental |
| [134]  | Is the Australian construction industry prepared for climate change? | Experimental |
| [77]  | Labor productivity losses over western Turkey in the twenty-first century as a result of alteration in WBGT | Observational |
| [87]  | Limited Role of Working Time Shift in offsetting the Increasing Occupational-Health Cost of Heat Exposure | Observational |
| [164]  | Management of climatic heat stress risk in construction: A review of practices, methodologies, and future research | Discussion |
| [78]  | Mapping occupational heat exposure and effects in South-East Asia: Ongoing time trends 1980-2011 and future estimates to 2050 | Observational |
| [158]  | Modification of the Predicted Heat Strain (PHS) model in predicting human thermal responses for Chinese workers in hot environments | Experimental |
| [64]  | Mortality and morbidity during extreme heat events and prevalence of outdoor work: An analysis of community-level data from los Angeles County, California | Observational |
| [39]  | Nationwide epidemiological study for estimating the effect of extreme outdoor temperature on occupational injuries in Italy | Observational |
| [26]  | Non-heat related impacts of climate change on working populations | Discussion |
| [62]  | Occupation and Environmental Heat-Associated Deaths in Maricopa County, Arizona: A Case-Control Study | Observational |
| [104]  | Occupational heat stress and associated productivity loss estimation using the PHS model (ISO 7933): A case study from workplaces in Chennai, India | Experimental |
| [170]  | Occupational heat stress assessment and protective strategies in the context of climate change | Discussion |
| [103]  | Occupational Heat Stress Impacts on Health and Productivity in a Steel Industry in Southern India | Experimental |
| [108]  | Occupational heat stress induced health impacts: A cross-sectional study from South Indian working population | Experimental |
| [122]  | Occupational heat stress profiles in selected workplaces in India | Experimental |
| [52]  | Outcomes of a Heat Stress Awareness Program on Heat-Related Illness in Municipal Outdoor Workers | Observational |
| [67]  | Outdoor occupational environments and heat stress in IRAN | Observational |
| [113]  | Perceived heat stress and health effects on construction workers | Experimental |
| [141]  | Perceptions of climate change and occupational heat stress risks and adaptation strategies of mining workers in Ghana | Experimental |
| [193]  | Perceptions of, and reactions to, environmental heat: a brief note on issues of concern in relation to occupational health | Synthesis |
| [110]  | Physiological responses of acclimatized construction workers during different work patterns in a hot and humid subtropical area of China | Experimental |
| [88]  | Potential escalation of heat-related working costs with climate and socioeconomic changes in China | Observational |
| [194]  | Potential Scenarios and Hazards in the Work of the Future: A Systematic Review of the Peer-Reviewed and Gray Literatures | Synthesis |
| [73]  | Projections of heat stress and associated work performance over India in response to global warming | Observational |
| [89]  | Reductions in labor capacity from intensified heat stress in China under future climate change | Observational |
| [83]  | Reductions in labor capacity from heat stress under climate warming | Observational |
| [178]  | Re-evaluating occupational heat stress in a changing climate | Discussion |
| [82]  | Regional maps of occupational heat exposure: past, present, and potential future | Observational |
| [177]  | Responsibilities of the Occupational and Environmental Medicine Provider in the Treatment and Prevention of Climate Change-Related Health Problems | Discussion |
| [127]  | Risk of kidney stone among workers exposed to high occupational heat stress - A case study from southern Indian steel industry | Experimental |
| [146]  | Risk perception of heat related disorders on the workplaces: A survey among health and safety representatives from the autonomous province of Trento, Northeastern Italy | Experimental |
| [70]  | Site-specific hourly resolution wet bulb globe temperature reconstruction from gridded daily resolution climate variables for planning climate change adaptation measures | Observational |
| [191]  | Social impacts of occupational heat stress and adaptation strategies of workers: A narrative synthesis of the literature | Synthesis |
| [156]  | Solar energy industry workers under climate change: A risk assessment of the level of heat stress experienced by a worker based on measured data | Experimental |
| [85]  | Spatial Changes in Work Capacity for Occupations Vulnerable to Heat Stress: Potential Regional Impacts From Global Climate Change | Observational |
| [69]  | Spatio-temporal patterns of the minimum rest time for outdoor workers exposed to summer heat stress in South Korea | Observational |
| [37]  | Summer outdoor temperature and occupational heat-related illnesses in Quebec (Canada) | Observational |
| [189]  | Sustainable solutions to mitigate occupational heat strain - an umbrella review of physiological effects and global health perspectives | Synthesis |
| [184]  | The association between extreme weather conditions and work-related injuries and diseases. A systematic review of epidemiological studies | Synthesis |
| [93]  | The association between overall health, psychological distress, and occupational heat stress among a large national cohort of 40,913 Thai workers | Observational |
| [118]  | The effect of hot days on occupational heat stress in the manufacturing industry: implications for workers’ well-being and productivity | Experimental |
| [45]  | The effects of ambient temperatures on the risk of work-related injuries and illnesses: Evidence from Adelaide, Australia 2003–2013 | Observational |
| [162]  | The epidemiology of occupational heat exposure in the United States: a review of the literature and assessment of research needs in a changing climate | Discussion |
| [66]  | The heat exposure risk to outdoor workers in Brazil | Observational |
| [123]  | The impact of heat and impaired kidney function on productivity of Guatemalan sugarcane workers | Experimental |
| [120]  | The Impact of Heat on Health and Productivity among Maize Farmers in a Tropical Climate Area | Experimental |
| [56]  | The impact of heat waves on occurrence and severity of construction accidents | Observational |
| [50]  | The impact of heatwaves on workers' health and safety in Adelaide, South Australia | Observational |
| [41]  | The impact of sustained hot weather on risk of acute work-related injury in Melbourne, Australia | Observational |
| [190]  | The nexus between social impacts and adaptation strategies of workers to occupational heat stress: a conceptual framework | Synthesis |
| [121]  | The Social Implications of Occupational Heat Stress on Migrant Workers Engaged in Public Construction: A Case Study from Southern India | Experimental |
| [115]  | Thermal discomfort and health symptoms in Indian occupational settings in the climate change scenario | Experimental |
| [124]  | Time-motion analysis as a novel approach for evaluating the impact of environmental heat exposure on labor loss in agriculture workers | Experimental |
| [132]  | Using a qualitative phenomenological approach to inform the etiology and prevention of occupational heat-related injuries in Australia | Experimental |
| [65]  | Wage Differentials between Heat-Exposure Risk and No Heat-Exposure Risk Groups | Observational |
| [181]  | Weather and labor productivity in construction: a literature review and taxonomy of studies | Synthesis |
| [32]  | Wet bulb globe temperature and recorded occupational injury rates among sugarcane harvesters in southwest Guatemala | Observational |
| [63]  | Without Warning: Worker Deaths From Heat 2014–2016 | Observational |
| [71]  | Work adaptations insufficient to address growing heat risk for US agricultural workers | Observational |
| [95]  | Work-attributed illness arising from excess heat exposure in Ontario, 2004-2010 | Observational |
| [22]  | Worker health and safety and climate change in the Americas: issues and research needs | Discussion |
| [186]  | Workers' health and productivity under occupational heat strain: a systematic review and meta-analysis | Synthesis |
| [150]  | Workers' perceptions of climate change related extreme heat exposure in South Australia: A cross-sectional survey | Experimental |
| [149]  | Workers’ health and safety in the heat: current practice in Australian workplaces | Experimental |
| [147]  | Working in Australia's heat: health promotion concerns for health and productivity | Experimental |
| [136]  | Working smart: An exploration of council workers' experiences and perceptions of heat in Adelaide, South Australia | Experimental |
| [157]  | Workplace heat exposure, health protection, and economic impacts: A case study in Canada | Experimental |