

Contents

Prologue.....	vii
Preface	ix
Authors.....	xi
Introduction.....	xiii
SECTION 1.....	1
1. New health agendas based on social determinants	1
Marco Akerman, Crhistine Cavalheiro Maymone, Cláudia Bógus, Arthur Chioro, Paulo Marchiori Buss, Kira Fortune	
2. The social determinants of health movement in Brazil	17
Alberto Pellegrini Filho Paulo Marchiori Buss	
3. The Transition to Sustainable development and human sovereignty: Situation and Outlook in the Region of the Americas.....	31
Ary Carvalho de Miranda, Anamaria Testa Tambellini, César Benjamin, Jaime Breilh, Josino Costa Moreira	
4. Environmental health governance in Latin America and the Caribbean	47
Jacob Finkelman, Luiz Augusto Galvão and Samuel Henao	
SECTION 2.....	89
5. Beyond risk assessment and environmental epidemiology	89
Pierre Gosselin, Karen Morrison, Sergine Lapointe, Mathieu Valcke	
6. Toxicology development in the Americas: Lights and shadows	123
Maritza Rojas Martini, Julietta Rodríguez Guzmán, Luz Helena Sanín	
7. Risk prevention in vulnerable populations	165
Fernando Díaz-Barriga, Susana García, Lilián Corra	

8.	Environmental health indicators for decision-making.....	181
	María Patricia Arbeláez Montoya, Pierre Gosselin, Sandra Hacon, Alfonso Ruiz (deceased)	
9.	The role and challenges of environmental health laboratories in the Americas	209
	Josino Costa Moreira José Lobos, Leiliane CA Amorim, Eline Simões Gonçalves	
10.	Cities and determinants of health	229
	Jorge Jiménez de la Jara, Marisa Torres Hidalgo, Rodrigo Salcedo Hansen	
11.	Climate change and health	249
	Jonathan A. Parz, Megan Christenson	
12.	The deterioration of ecosystems and biodiversity: Consequences for human health	269
	Horacio Riojas Rodríguez, Michelle Romero	
13.	Environmental health and genetic susceptibility	295
	Hortensia Moreno-Macías , M. Teresa Tusié-Luna, Isabelle Romieu	
14.	Emerging infectious diseases and the environment.....	313
	Leora Vegosen, Amy E. Peterson, Jessica H. Leibler, Meghan F. Davis, Beth Feingold, Ellen Silbergeld	
15.	Risk communication in Latin America.....	335
	Ana Rosa Moreno Sánchez, Ana Cristina Cubillas Tejeda, Alberto Guerra García, Frederico Peres	
16.	Consumer health protection: A basic civil right.....	361
	Ana Evelyn Jacir de Lovo, Neilton Araújo de Oliveira	
SECTION 3.....		387
17.	Energy, sustainable development, and health.....	387
	Mario Molina, Paulina Serrano, Rodolfo Lacy, Diana Noriega, Erika Guzmán	
18.	Challenges for universal basic sanitation	433
	Adalberto Noyola, Leo Heller, Horst Otterstetter (deceased)	
19.	Genetically modified food and public health	449
	Felix Guillermo Reyes Reyes, Pedro C. Binsfeld, Denise Carmona Cara, Flávio Zambrone	
20.	The quest for sustainable agricultural systems	477
	Graciela Magrin , Ulises Confalonieri , Osvaldo Canziani , Walter Baethgen , María Isabel Travasso	
21.	Work and health in the Americas.....	505
	Victor H. Borja-Aburto, Vilma Sousa Santana	

22. The generation and buildup of contaminants: Threats to health in the short- and long-term	523
Volney de Magalhães Câmara, Herling Gregorio Aguilar Alonzo, Fernando Díaz-Barriga, Carmen Ildes Rodrigues Froes Asmus	
23. Air pollution trends in the Americas: Impact and policies	541
Isabelle Romieu, Urinda Álamo-Hernández, José Luis Texcalac-Sangrador, Laura Pérez, Nelson Gouveia	
24. Violence and health: A challenging social issue	563
Rodrigo Guerrero, Rafael Lozano, Rafael Espinosa, Cecilia Minayo, María Isabel Gutiérrez	
25. Road safety, health, and public policy	579
Eduardo A. Vasconcellos, Ailton Brasiliense, Carlos Contreras-Montoya, Jorge Oviedo, Luis Chías Becerril, Martha Hajar Medina, Rafael Lozano, Ann M. Dellinger	
26. Toward a tobacco-free Hemisphere	603
María Julia Muñoz, Winston Abascal, Tabaré González	
27. Environmental and technological disasters and emergencies	629
Edson Haddad, Pablo F. Aguilar Alcalá, Jorge Luiz Nobre Gouveia	
28. The potential impact of nanotechnology and nanoparticles on human health and the environment.....	659
William Weissmann	
29. Recreational water environments and health.....	679
Henry Salas	
30. Facilitating environment and early childhood care: Challenges for health and sustainable development in Brazil	713
Liliane Mendes Penello, Corina Helena Figueira Mendes, Ethel Resch, José Gomes Temporão, Liliana Planel Lugarinho, Luiza Beatriz Acioli, Selma Eschenazi do Rosário	
31. Addressing the social determinants of noncommunicable diseases in the Americas.....	735
Douglas Webb	