

# Index

About the authors .....	6
Foreword .....	11
<b>Impact on health</b> .....	12
The health consequences of nuclear explosions .....	14
Dr. Tilman A. Ruff	
<b>Impact on environment and agriculture</b> .....	28
Environmental consequences of a nuclear weapon explosion .....	30
Felicity Ruby	
Nuclear famine: A billion people at risk .....	36
Dr. Ira Helfand	
<b>Impact on economy and development</b> .....	48
Estimating the economic consequences of a nuclear weapons explosion: Critical factors .....	50
Dr. Lloyd J. Dumas and Dr. Teresa D. Nelson	
Wider consequences – impact on development .....	58
Ray Acheson	

**Law and order** ..... 66

International humanitarian law ..... 68

Dr. John Burroughs

The unknown known ..... 76

Magnus Løvold

**Case studies** ..... 83

Use of atomic bomb in war: Hiroshima and Nagasaki ..... 84

Dr. Masao Tomonaga

Nuclear weapons tests, fallout, and the devastating impact  
on Marshall Islands.environment, health and human rights ..... 88

Dr. Barbara Rose Johnston

Effects of a nuclear blast over Bombay ..... 94

Dr. M.V. Ramana

**Preventing the unacceptable** ..... 99

Beatrice Fihn