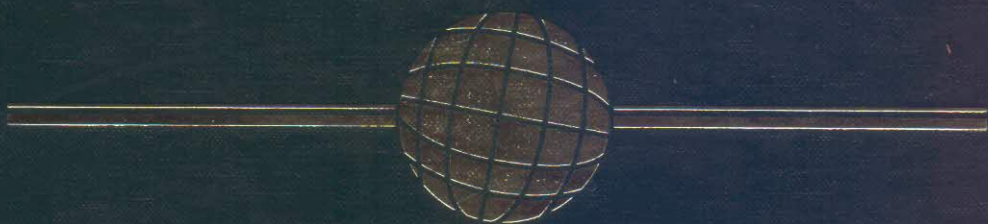


HEALTH
and
TOXICOLOGY



Advances in
Environmental Control
Technology Series

Paul N. Cheremisinoff, Editor

CONTENTS

CONTRIBUTORS TO THIS VOLUME	vii
<i>(For a note about the editor, please see page x)</i>	
PREFACE	xi
1. Environmental Risk Factors on Cancer and Their Primary Prevention.....	1
<i>J. W. Dobrowolski</i>	
2. Respiratory Function Changes from Inhalation of Polluted Air.....	47
<i>Shieh-Ching Yang and Sze-Piao Yang</i>	
3. Biological Markers of Early Health Effects in the Assessment of the Risk of Cancer in People Exposed to Environmental Carcinogens ..	53
<i>Janusz A. Indulski and Waldemar Lutz</i>	
4. Sick Building Syndrome	67
<i>Peter Dingle</i>	
5. Respiratory Findings of Construction Workers Exposed to Asbestos Dust	93
<i>Isamu Ebihara, Mamoru Hirata, Naomi Hisanaga, Eiji Shibata and Kiyoshi Sakai</i>	
6. Asbestos Exposure and the Risk of Lung Cancer in Urban Populations	127
<i>Anti Karjalainen and Anttila Sisko</i>	
7. Emphysema and Lung Mineral Content in Coalworkers	137
<i>J. Leigh, T. Driscoll, and B. Cole</i>	
8. Sinonasal Cancer and Wood Dust Exposure	171
<i>A. Leclerc and D. Luce</i>	
9. Chromium Accumulation of Chromate Workers' Bronchi.....	191
<i>Yuichi Ishikawa and Eiju Tsuchiya</i>	
10. Benzene Toxicokinetics in Humans	207
<i>Frederic Yves Bois</i>	
11. Fluorometry of Carcinogenic Polycyclic Aromatic Hydrocarbons in Biological Systems	219
<i>Kuang-Pang Li, Ping Chiang, and Raxia Song</i>	

12. Occupational Exposure to Organic Solvents During Paint Stripping and Painting.....	251
<i>Marc Charretton and Raymond Vincent</i>	
13. Occupational Exposure to Metallic Cobalt	307
<i>G. Mosconi, M. Bacis, P. Leghissa, and C. Sala</i>	
14. Climate and Chronic Respiratory Disease.....	329
<i>Paul Beggs and Peter Curson</i>	
15. Effects of Acid Precipitation on the Environment and on Human Health.....	355
<i>Lars Gerhardsson, Staffan Skerfving and Agneta Oskarsson</i>	
16. Toxic Effect of Tannery Effluent on the Biochemical Constituents in Organisms.....	365
<i>G. Varadaraj and M. A. Subramanian</i>	
17. Bladder Cancer and Water Disinfection Methods	377
<i>Michael A. McGeehin, John S. Reif</i>	
18. Metal-induced Development Toxicity in Mammals.....	395
<i>José L. Domingo</i>	
19. Genetic Evaluation of Pesticides in Different Short-Term Tests.....	415
<i>Patrizia Hrelia</i>	
20. Pesticide Residues in Food.....	433
<i>Peter Dingle</i>	
21. Biological Monitoring by Means of Urinary Samples and Problems Concerning Concentration-Dilution of Spot Urine	453
<i>Andrea Trevisan</i>	
22. Causes of Artifacts in Sorption Studies with Trace Elements	461
<i>Lorenzino Giusti</i>	
23. Bioaccumulation of Surfactants	493
<i>J. Tolls and D. T. H. M. Sijm</i>	
INDEX	501