

CONTENTS

1. Effect of Conventional and Unconventional Dietary Fibers in Colon Carcinogenesis	1
2. Leguminous Seed Fiber: Uses in Disease States and Effects in Carbohydrate Digestion in Vitro and Absorption in Vivo	17
3. Structural Chemistry of Some Nonstarchy Polysaccharides of Carrots and Apples	33
4. Legumes and Their Soluble Fiber: Effect on Cholesterol-Rich Lipoproteins	49
5. Purified Psyllium Seed Fiber, Human Gastrointestinal Tract Function, and Nutritional Status of	
6. Locust Bean Gum in Food Products Fed to Familial Hypercholesterolemic Families and a Type IIB Patient	71
7. Pectins and Guar Gum: Effect on Plasma Lipoproteins and Tissue Lipoprotein Lipase Activity in Rats	93
8. Aminopolysaccharides-Their Potential as Dietary Fiber	105
9. Catabolism of Mucopolysaccharides, Plant Gums, and Maillard Products by Human Colonic	123
10. Some in Vitro and in Vivo Properties of Dietary Fibers from Noncereal Sources	135
11. Dietary Pectin: Effect on Metabolic Processes in Rats	143
12. Chitin and Chitosan: Influence on Element Absorption in Rats	155
13. Citrus Pectic Polysaccharides-Their in Vitro Interaction with Low Density Serum Lipoproteins	185
14. Washed Orange Pulp: Characterization and Properties	191
15. Dietary Fiber from Citrus Wastes: Characterization	205
16. Cellulose, Xylan, Corn Bran, and Pectin in the Human Digestive Process	221
17. Properties of Wood Lignin	241
18. Chemical and Physical Properties of Tobacco Fiber	251
19. Products of Wheat Straw Biodegradation by <i>Cyathus stercoreus</i>	267
20. Biphenyl Hydroxylase, Arylhydrocarbon Hydroxylase, and Epoxide Hydrolase: Activities in Intestinal and Liver Microsomes of Rats Fed Selected Types of Dietary Fibers	285
Index	305