

Contents

VII Preface

Buzalaf, M.A.R. (Bauru)

IX Foreword

Chapter 1

1 Basis of Inheritance in Humans

Chapter 2

20 Beyond Amelogenesis Imperfecta Mutations: Hypomorphic Forms

Chapter 3

36 Individual Susceptibility to Dental Caries: The Vipeholm Study

Chapter 4

45 Genetics of Dental Caries: Controlled Animal Models

Chapter 5

61 Heritability of Dental Caries: Twin Studies

Chapter 6

71 Individual Susceptibility to Erosive Tooth Wear: Wine Tasters

Chapter 7

79 Genes Involved in Enamel Formation and Their Impact on Caries Susceptibility and Erosive Tooth Wear

Chapter 8

85 Genes Involved in Saliva Formation and Composition and Their Impact on Caries Susceptibility and Erosive Tooth Wear

Chapter 9

92 Genes and Dietary Preferences and Their Impact on Caries Susceptibility and Erosive Tooth Wear

Chapter 10

97 Genes Interacting with Fluorides and Their Impact on Caries Susceptibility and Erosive Tooth Wear

Chapter 11

103 Genes Influencing Behavior and Their Impact on Caries Susceptibility and Erosive Tooth Wear

Chapter 12

110 Genes Involved in Immune Response and Their Impact on Caries Susceptibility and Erosive Tooth Wear

Chapter 13

117 Initiation of Caries or Erosive Tooth Wear Lesions from the Host Standpoint

Chapter 14

122 Progression of Caries or Erosive Tooth Wear Lesions from the Host Standpoint

Chapter 15

128 Host Response to Adhesive Restorative Dental Treatment

Chapter 16

133 Genomic Predictors of Caries Experience and Erosive Tooth Wear Affection

Chapter 17

140 Fluoride Toxicity

149 Subject Index