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Preface

Periodontal disease is no longer perceived as a simple infection, but is a complicated situation that is triggered by changes in the periodontal microbiota. The state of the equilibrium between the beneficial and pathogenic microorganisms plays the primary role in sustaining the periodontal health or in causing tissue destruction. The monograph, Role of Periodontal Microbiota in Periodontal Disease, is a concise review of the role of microbial dysbiosis in periodontal disease initiation, development, and clinical outcome. This work will, hopefully, assist students, clinicians, and researchers by highlighting important concepts, recent scientific discoveries, and their clinical importance in order to help them gain a clear understanding of the microbiological basis of periodontal disease. I wish that this writing would be a useful work and that those who are interested to read would explore more in this fast-developing sector.

Dr. Vigneshwar K. G.

LIST OF ABBREVIATIONS

Aa	AGGREGATIBACTER ACTINOMYCTEMCOMITANS
AA	AFRICAN AMERICAN
Aβ	AMYLOID BETA
AD	ALZHEMIR DISEASE
AgP	AGGRESSIVE PERIODONTITIS
AIP	AUTOINDUCER PEPTIDES
ANUG	ACUTE NECROTIZING ULCERATIVE GINGIVITIS
CA	CAUSIAN AMERICAN
CFB	CYTOPHAGA FLAVOBACTERIUM BACTERIODES
CSF	COMPETANCE STIMULATION PEPTIDE
COPD	CHRONIC OBSTRUCTIVE PULMONARY DISEASE
CNS	CENTRAL NERVOUS SYSTEM
CKD	CHRONIC KIDNEY DISEASE
CP	CHRONIC PERIODONTITIS
C ALBICANS	CANDIDA ALBICANS
DM	DIABETES MELLITUS
DNA	DEOXY RIBONUCLEIC ACID
EPS	EXTRACELLULAR POLYMERIC SUBSTANCE
GCF	GINGIVAL CREVICULAR FLUID
GIT	GASTROINTESTINAL TRACT
HCMV	HUMAN CYTO-MEGALO VIRUS
IL	INTERLEUKIN
IMPEDE	INFLAMMATION-MEDIATED POLYMICROBIAL-EMERGENCE AND DYSBIOTIC- EXACERBATION
LXTA	LEUKOTOXIN
LOS	LIPOOLIGOSACCHARIDE
LBW	LOW BIRTH WEIGHT
MDSC	MYELOID DERIVED SUPPRESSOR CELLS
MR	MENDELIAN RANDOMIZATION

MSP	MAJOR SHEATH PROTEIN
NFT'S	NEUROFIBRILLAR TANGLES
OMP	OUTER MEMBRANE PROTEIN
Pg	PORPHYROMONAS GINGIVALIS
PSD	POLYMICROBIAL SYNERGY AND DYSBIOSIS
PMN	POLY MORPHONUCLEAR NEUTROPHILS
QS	QUORUM SENSING
RA	RHEUMATOID ARTHRITIS
RNA	RIBO NUCLEIC ACID
SPP	SPECIES
Td	TREPONEMA DENTICOLA
Tf	TANNERELLA FORSYTHIA
TLR	TOLL LIKE RECEPTOR

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