

Special Issue on Inflammatory Mediators in Periodontal Pathogenesis

CALL FOR PAPERS

Periodontal diseases are common inflammatory diseases with infectious etiology. Periodontal pathogens trigger several pathways related to inflammatory cascades leading to sustained uncontrolled inflammation within tissues. Among them, modulation of Toll-like-receptors and related cascades (MAPKs, ERK, JNK, etc.) has been observed leading to secretion of several cytokines or mediators of inflammation. Such impaired host-immune response is implicated in the periodontal tissue destruction and also in the aggravation of several systemic conditions.

The identification of pathways modulated during periodontitis is of importance to better understand the mechanisms involved during onset and progression of the disease and to identify new potential therapeutic drugs. Therefore, identification of inflammatory pathways associated with periodontal inflammation and involved in soft-tissue/bone crosstalk is mandatory. A specific insight should be done on cytokines, histamine, bradykinin, prostaglandins, leukotrienes, PAF, biological response modifiers, and the family of cell adhesion-promoting molecules as some of them are potential diagnosis or prognosis markers.

The guest editors cordially invite you to contribute original research articles as well as review articles that will elucidate the role of inflammatory response and related markers in the context of periodontal pathogenesis and treatment through studies using cell lines, laboratory animals, and human beings.

Potential topics include but are not limited to the following:

- ▶ Inflammatory pathways modulated during periodontitis
 - ▶ Role of cytokines, chemokines, and host-response mediators in periodontal destruction
 - ▶ Role of cytokines during periodontal wound healing
- ▶ Interrelationship between infection and inflammation
 - ▶ Role of inflammatory mediators in response to periodontal pathogens
- ▶ Systemic implications of periodontitis and periodontitis as a clinical manifestation of systemic disease
 - ▶ Inflammatory mechanisms worsening endothelial inflammation
 - ▶ Impact of periodontitis on systemic inflammatory markers levels (cytokines, CRP, etc.)
- ▶ Impact of new anti-inflammatory therapeutics in periodontal treatment
 - ▶ Impact of anti-inflammatory drugs on periodontal destruction and cytokines secretion
 - ▶ Impact of new therapeutics on the resolution of the inflammation (role of resolvins, etc.)

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/mi/impp/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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