

## *Curriculum Vitae (CV)*

**Name:** Mandana Sattari

**Birth Date:** 3/22/1967

**Address:** Dept. Immunology, Shahid Beheshti University of Medical Sciences, Evin, Chamran Highway, Tehran-IRAN

**Email:** [mandana.sattari@gmail.com](mailto:mandana.sattari@gmail.com)

**Telefax:** (+98 21) 2243 9970

### **Education:**

- Tehran University of Medical Sciences- Ph.D., Medical Immunology, May 1994.
- Shahid Beheshti university of Medical Science- DDS, Dentistry, July 1990.

### **Ph.D. Project Thesis:**

Detection of various immunoglobulins, auto antibodies and immune complexes in chronic dental periapical lesions.

### **Academic Experience:**

- **Professor of Dept. Immunology, Shaheed Beheshti University of Medical Sciences and Health Services, since Jan. 2012-04-06**
- **Associate Professor of Dept. Immunology, Shaheed Beheshti University of Medical Sciences and Health Services, since 2004.**
- **Assistant Professor of Dept. Immunology, Shaheed Beheshti University of Medical Sciences and Health Services, since 1994.**
- **Head of the Immunology department, Medical School, Shahid Beheshti University of Medical Sciences from August 2007- June 2013.**
- **Chairman of the 10<sup>th</sup> International Congress of Immunology and Allergy of Iran, May 18-20 2010, Tehran, Iran.**
- **Academic Member of the Olympiad Committee of Shahid Beheshti University of Medical Sciences**
- **Academic Member of the Committees of Improvement in Education of Medical Students of Shahid Beheshti University of Medical Sciences**

### **Areas and Techniques of Expertise:**

- **Oral Immunology**
- **Immunopathology**
- ✓ **Real Time PCR**
- ✓ **Primer & Probe Designing**
- ✓ **PCR & RT- PCR**
- ✓ **Immunofluorescence**
- ✓ **Cell Culture**

✓ ELISA

✓ Photoshop

### **Lecturing Experience:**

**Shaheed Beheshti University of Medical Sciences and Health Services**

#### **Medical, Dental and Pharmacy Schools**

- Inflammation
- Hypersensitivity reactions
- Immunodeficiencies
- Immunopharmacology
- Immunology of transplantation
- Immunology of bone resorption
- Immunology of dental caries
- Immunology of saliva
- Immunology of periodontal diseases
- Immunology of dental pulp and periapical diseases
- Immunology of eye
- Immunology of skin
- Immunology of musculoskeletal system
- Lymphoid organs
- Cytokines
- Wound Healing
- Acute and chronic inflammation
- Neuroimmunoendocrinology

- Aging immunology
- Nutrition and immune system
- Cytotoxic cells
- Stress proteins
- Superantigens and mitogens
- Tolerance and autoimmunity
- Statistics

**Dental School, Tehran University of Medical Sciences and Health Services**

- Immunology of periodontal diseases

**Dental School, Esfahan University of Medical Sciences and Health Services**

- Immunology of periodontal diseases

**Dental School, Shiraz University of Medical Sciences and Health Services**

- Immunology of periodontal diseases

**Dental School, Kerman University of Medical Sciences and Health Services**

- Inflammation

**Dental School, Islamic Azad University**

- Healing
- Inflammation

**Dental School, Shahed University**

- Immunology of periodontal diseases

**Research Experience (Supervisor & Main Researcher):**

- 1) **Correlation between IgA presence and concentration and the diameter of chronic dental periapical lesions (1996-1998)**

*Train postgraduate dental student*

- 2) **Correlation between immunoglobulins and different states of dental pulps (1997-1999)**

*Train postgraduate dental student*

- 3) **Effect of Calcium Hydroxide on human peripheral blood mononuclear cells (1997-1998)**

*Train postgraduate dental student*

- 4) **Effect of Cimetidine on rat neutrophils (1997-1998)**

*Train postgraduate immunology student*

- 5) **Correlation between concentration of IgE and the diameter of chronic dental periapical lesions (1997-1998)**

*Train postgraduate immunology student*

- 6) **Correlation between local immunoglobulins and Localized Juvenile Periodontitis (LJP) and Rapidly Progressive Periodontitis (RPP) (1998-1999)**

*Train postgraduate dental student*

- 7) **Correlation between pulpal immunoglobulins and the status of tooth impaction (1998-1999)**

*Train undergraduate dental student*

- 8) **Correlation between IgE and different states of dental pulps (1999-2000)**

*Train undergraduate dental student*

**9) Correlation between pulpal immunoglobulins and dental caries (2000-2002)**

*Train undergraduate dental student*

**10) Neutrophil chemotaxis in dental students with dental caries in Shaheed Beheshti University of Medical sciences and Health Services during 1999-2000 (1999-2001)**

*Train undergraduate dental student*

**11) Correlation between smoking and inflammatory response of human peripheral blood mononuclear cells in patients with chronic periodontitis (2000-2001)**

*Train postgraduate dental student*

**12) Effects of B and C vitamins on respiratory burst of human peripheral blood neutrophils (2000-2001)**

*Train undergraduate medical student*

**13) Effects of Cephalosporines on respiratory burst of human peripheral blood neutrophils (2000-2001)**

*Train undergraduate medical student*

**14) Evaluation of peripheral blood neutrophils chemotaxis in patients with aggressive periodontitis (1999-2000)**

*Train postgraduate immunology student*

**15) Effects of Cyclosporine A on the function of human peripheral blood neutrophils (2000-2001)**

*Train postgraduate immunology student*

**16) Effect of submandibular gland saliva on neutrophil movement in patients with aggressive periodontitis (2000-2001)**

*Train postgraduate immunology student*

- 17) **Correlation between concentration of IgE and histamine and dental pulp polyps (2000-2002)**

*Train undergraduate dental student*

- 18) **Correlation between pulpal immunoglobulins and symptomatic pulpitis in deciduous teeth (2000-2002)**

*Train undergraduate dental student*

- 19) **Effects of Amoxicillin and Ampicillin on local production of antibodies in explants tissue cultures (2001-2002)**

*Train undergraduate pharmacy student*

- 20) **Effect of Cyclosporine A on respiratory burst of human peripheral blood neutrophils (2001-2002)**

*Train undergraduate pharmacy student*

- 21) **Correlation between concentration of IgE and histamine and gingival attachment loss in patients with chronic periodontitis (2001-2002)**

*Train postgraduate immunology student*

- 22) **Correlation between number of mast cells and presence of IgE in chronic dental periapical lesions (2001-2003)**

*Train undergraduate dental student*

- 23) **Comparison of the effect of saliva on neutrophil death in different periodontal diseases (2001-2003)**

*Train undergraduate dental student*

- 24) **Copmarison the inflammatory effects of root end filling materials on human peripheral blood mononuclear cells and murine peritoneal macrphages (2002-2003)**

*Train postgraduate dental student*

- 25) The effect of Cyclosporine A (CSA) on the death of human peripheral blood neutrophils (2003)**

*Train undergraduate medical student*

- 26) Correlation between IL-4 and IL-12 and chronic periodontitis (2004)**

*Train undergraduate dental student*

- 27) Correlation between IL-4 and IL-12 and diameter of chronic periapical lesions (2004)**

*Train undergraduate dental student*

- 28) Correlation between concentration of SP and CGRP and different regions of human gingiva (2004)**

*Train postgraduate immunology student*

- 29) Comparison of the neuropeptide concentration between symptomatic and asymptomatic irreversible pulpitis (2005)**

*Train postgraduate dental student*

- 30) Correlation between presence and concentration of pulpal neuropeptides and dental caries (2005)**

*Train undergraduate dental student*

- 31) Correlation between leptin concentration and chronic periodontitis (2005)**

*Train postgraduate dental student*

- 32) Correlation between presence and concentration of IL-4 and IL-12 and pulp polyps (2005)**

*Train undergraduate dental student*



**33) Evaluate the inflammatory effects of four endodontic sealers with different bases on mouse L-929 fibroblast cell line (2005)**

*Train postgraduate dental student*

**34) Evaluate the inflammatory effects of four dentin bonding agents on mouse L-929 fibroblast cell line (2005)**

*Train postgraduate dental student*

**35) Correlation between leptin concentration and chronic dental periapical lesions (2005)**

*Train undergraduate dental student*

**36) Evaluate the inflammatory effects of base-metal casting alloys on mouse L-929 fibroblast cell line (2006)**

*Train undergraduate dental student*

**37) Comparison of cellular toxicity of Iranian and non-Iranian self cure acrylics and their effects on production of IL-6 (2006)**

*Train undergraduate dental student*

**38) Effect of surgical flap on concentration of IL-1- $\beta$  and TGF- $\beta$  in the gingival crevicular fluid (GCF) of patient with moderate to severe chronic periodontitis (2006)**

*Train postgraduate dental student*

**39) Correlation between concentration of salivary IgA and cortisol and the degree of psychologic stress (2007)**

*Train undergraduate dental student*

**40) Effect of SP on the changes in cellular protein content of mouse macrophages (2007)**

*Train postgraduate immunology student*

**41) Correlation between salivary sCD14 and the saliva-induced apoptosis of peripheral blood neutrophils (2007)**

*Train undergraduate dental student*

**42) Comparison of leptin and IL-6 levels and leukocytes count before and after orthognetic surgery (2007)**

*Train postgraduate dental student*

**43) Correlation between presence and concentration of pulpal SP and CGRP and different kinds of dental caries (2007)**

*Train undergraduate dental student*

**44) Correlation between salivary  $\alpha$ -Defensins and Calprotectin and apoptosis of neutrophis and Early Childhood Caries (2007)**

*Train postgraduate dental student*

**45) Correlation between the concentration of TGF- $\beta$  in GCF and smoking in patients with moderate to severe chronic periodontitis (2007)**

*Train undergraduate dental student*

**46) Effects of CGRP on surface proteins of macrophages (2008)**

*Train postgraduate immunology student*

**47) Correlation between IL-17 and IL-23 and chronic periodontitis (2009)**

*Train undergraduate dental student*

**48) Correlation between IL-17 and IL-23 and diabetes mellitus in patients with chronic periodontitis (2009)**

*Train undergraduate dental student*

**49) Correlation between RANKL and OPG and chronic periodontitis (2009)**

*Train undergraduate dental student*

**50) Comparison the cytotoxic effects of denture resin-based cleansers (2009)**

*Train postgraduate dental student*

**51) Correlation between sCD14 and early childhood caries (2009)**

*Train postgraduate dental student*

**52) Correlation between RANKL and periimplantitis (2009)**

*Train undergraduate dental student*

**53) Evaluation of the protein profile in Cyclooxygenase specific inhibitor-treated macrophages which were stimulated by LPS (2009)**

*Train postgraduate immunology student*

**54) Correlation between the expression of IL-17A and IL-17F, concentration of IL-17A and RANKL and chronic periodontitis (2009)**

*Train postgraduate immunology student*

**55) Correlation between IL-17 and IL-23 and diabetes mellitus in patients with chronic periodontitis (2009)**

*Train undergraduate dental student*

**56) Correlation between sIL-1RII, IL-17 and IL-22 and chronic periodontitis (2010)**

*Train undergraduate dental student*

**57) Effects of the phase I periodontal (non-surgical) treatment on the concentration of sIL-1rII, IL-17 and IL-22 in GCF of patients with chronic periodontitis (2010)**

*Train undergraduate dental student*

**58) Correlation between RANKL and OPG and type I and II diabetes in patients with chronic periodontitis (2010)**

*Train undergraduate dental student*

**59) Correlation between the salivary concentration of lactoferrin and lysosyme and early childhood caries (2010)**

*Train postgraduate dental student*

**60) Correlation between the expression and concentration of gingival IL-22 and chronic periodontitis (2010)**

*Train postgraduate dental student*

**61) Correlation between the expression and concentration of gingival IL-32 and chronic periodontitis (2011)**

*Train postgraduate immunology student*

**62) Correlation between the expression and concentration of gingival IL-32 $\beta$  and RANKL and chronic periodontitis (2011)**

*Train undergraduate dental student*

**63) Evaluation of the effect of the nanozirconia mixed with glass inomer on the number and proliferation of fibroblast, epithelial cells and adhesive molecules (ICAM-1) (2011)**

*Train postgraduate dental student*

**64) Comparison of concentration of IL-17 and IL-23 in GCF samples of patients with aggressive and chronic periodontitis (2011)**

*Train postgraduate dental student*

**65) Comparison of the cytotoxic effects of various kinds of resin cements (2011)**

*Train undergraduate dental student*

66) The Effects of Omega- 3 Fatty Acids on the Apoptosis of MCF-7 Cells (2011)

*Train undergraduate medical student*

67) The Effects of Doxycyclin on the Apoptosis of MCF-7 Cells (2011)

*Train undergraduate medical student*

68) Construction of a recombinant *Leishmania tarentolae* expressing human papillomavirus type 16 E7 gene and evaluation of its immunogenicity in C57BL/6 mice model (2011)

*Train postgraduate immunology student*

69) Evaluation the effect of phase 1 periodontal treatment on the concentration of IL-17 and IL-23 in GCF samples of patients with aggressive and chronic periodontitis (2012)

*Train postgraduate dental student*

70) Evaluation of relationship between gingival expression of MicroRNA-146a with periodontal diseases (2013)

*Train postgraduate immunology student*

### **Research Grants:**

#### **Shaheed Beheshti University of Medical Sciences and Health Services**

- 1) Detection of IgE in chronic dental periapical lesions (1996-1998)
- 2) Correlation between IgA presence and concentration and the diameter of chronic dental periapical lesions (1996-1998)

- 3) **Correlation between immunoglobulins and different states of dental pulps (1997-1999)**
- 4) **Neutrophil chemotaxis in dental students with dental caries in Shaheed Beheshti University of Medical sciences and Health Services during 1999-2000 (1999-2001)**
- 5) **Effect of submandibular gland saliva on neutrophil movement in patients with aggressive periodontitis (2000-2001)**

#### **Research Center of Dental Sciences**

- 6) **Correlation between pulpal immunoglobulins and dental caries (2000-2002)**
- 7) **Comparison of the effect of saliva on neutrophil death in different periodontal diseases (2001-2003)**
- 8) **Correlation between gingival neuropeptide concentration and the region of gingiva (2003-2005)**
- 9) **Effect of surgical flap on the concentration of IL-1 $\beta$  and TGF- $\beta$ 1 in GCF of patients with moderate to severe chronic periodontitis (2004-2006)**
- 10) **Correlation between leptin concentration and moderate to severe chronic periodontitis (2004-2006)**
- 11) **Comparison of cellular toxicity of Iranian and non-Iranian self cure acryls and their effects on production of IL-6 (2005-2006)**
- 12) **Correlation between salivary sCD14 and the saliva-induced apoptosis of peripheral blood neutrophils (2005-2007)**
- 13) **Correlation between the concentration of TGF- $\beta$  in GCF and smoking in patients with moderate to severe chronic periodontitis (2006-2007)**

- 14) Correlation between GCF sCD14 and the the GCF-induced apoptosis of peripheral blood neutrophils (2007-2008)
- 15) Correlation between the expression and concentration of gingival IL-17 and IL-22 and chronic periodontitis (2008-2010)
- 16) Comparison of the cytotoxicity of resin cements (2009-2011)
- 17) Effects of the phase I periodontal (non-surgical) treatment on the concentration of sIL-1rII, IL-17 and IL-22 in GCF of patients with chronic periodontitis (2010-2012)

#### National Research Center of Medical Sciences

- 18) Correlation between number of mast cells and presence of IgE in chronic dental periapical lesions (2001-2003)

#### Qazvin University of Medical Sciences

- 19) Correlation between concentration of IL-1 $\beta$ , IL-6 and TNF- $\alpha$  and CAL in aggressive and chronic periodontitis (2006-2008)

#### **Publications:**

##### **English Papers**

- 1) **Sattari M**, Mohammad Asna-ashari, Mahsa Hejazi. Correlation between IgE and different states of dental pulps. Iranian Journal of Allergy and Immunology 2000; 1:141-145.

- 2) Asna-Ashari M, **Sattari M**. Correlation between IgE presence and concentration and failures of endodontic treatment in cases with chronic periapical lesions. Journal of Dental School of Shahid Beheshti Medical Sciences University. Autumn 2003, 21: 9-12.
- 3) **Sattari M**, Ganjehzadeh Rohani M, Mohammad Asna ashari. Correlation between immunoglobulins of dental pulps and caries. Journal of Dental School of Shahid Beheshti Medical Sciences University. Autumn 2003, 21: 72-75.
- 4) Pakzad P, Saadat H, **Sattari M**, Seyed N. Assessment of Anti-Streptokinase Antibody in Patients with Heart Diseases and Normal Subjects Referred to Modarress Hospital of Tehran.
- 5) **Sattari M**, kangarloo Haghghi A, Darbandi Tamijani H. The relationship of pulp polyp with the presence and concentration of IgE, histamine, IL-4 and IL-12. Aust Endod J 2009; 35:164-168.
- 6) Kangarloo A, **Sattari M**, Rabiee F, Dianat SO. Evaluation of cytotoxicity of different root canal sealers and their effects on cytokine production. Iran. Endod. J. 2009, 4:31-34.
- 7) Vojdani M, **Sattari M**, Khajehoseini Sh, Farzin M. Cytotoxicity of Denture Base Resin cleansers: an *In vitro* Study. Iran. Red Crescent. Med. J. 2010, 12:158-162.
- 8) **Sattari M**, Mozayyani MA, Matloob A, Mozayyani M, Javaheri HH. Substance P and CGRP expression in dental pulps with irreversible pulpitis. Aust Endod J 2009; 36:59-63.
- 9) **Sattari M**, Fathiyeh AR, Gholami F, Darbandi Tamijani H, Ghatreh Samani M. Effect of surgical flap on IL-1 $\beta$  and TGF- $\beta$  concentrations in the gingival crevicular fluid of patients with moderate to severe chronic periodontitis. Iran J Immunol 2010, 7:193-197.
- 10) Biria M, **Sattari M**, Vahid Golpayegani M, Kooshki F. Association of Salivary sCD14 concentration levels with early childhood caries. Iran J Immunol 2010, 7:193-197.
- 11) Dehghani F, Haji Molla Hoseini M, Memarnejadian A, Yeganeh F, Rezaie AM, Khaze V, **Sattari M**, Darbandi Tamijani H, Labibi F, Mossaffa N. Immunomodulatory activities of chitin microparticles on Leishmania major-infected murine macrophages. Arch Med Res. 2011 Oct;42(7):572-6.
- 12) Toomarian L, **Sattari M**, Hashemi N, Tadayon N, Akbarzadeh Baghban A. Iran J Immunol. 2011 Mar;8(1):11-9.



- 13) Sarlati F, **Sattari M**, Gazar AG, Rafsenjani AN. Receptor activator of nuclear factor kappa B ligand (RANKL) levels in peri-implant crevicular fluid. *Iran J Immunol.* 2010 Dec;7(4):226-33.
- 14) Vahabi S, **Sattari M**, Taheraslani M, Akbarzadeh Bagheban AR. Correlation between interleukin-1 $\beta$ , interleukin-6 and tumor necrosis factor- $\alpha$  and clinical parameters in chronic and aggressive periodontal disease. *Journal of Periodontology & Implant Dentistry* 2011, 3(2):
- 15) Sahabi M, **Sattari M**, Romoozi E, Akbar-zadeh Baghban AR. Cytotoxicity Comparison of Harvard Zinc Phosphate Cement Versus Panavia F2 and Rely X Plus Resin Cements on Rat L929-fibroblasts. *Cell J* 2011, 13(3): 163-168.
- 16) Sarlati F, **Sattari M**, Razzaghi S, Nasiri M. Receptor activator of nuclear factor kappa B ligand and osteoprotegerin levels in gingival crevicular fluid. *Dent Res J (Isfahan).* 2012;9(6):752-7.
- 17) Salehi M, Taheri T, Mohit E, Zahedifard F, Seyed N, Taslimi Y, **Sattari M**, Bolhassani A, Rafati S. Recombinant *Leishmania tarentolae* encoding the HPV type 16 E7 gene in tumor mice model. *Immunotherapy.* 2012;4(11):1107-20. 10.2217/imt.12.110.

### **Persian Papers**

- 1) **Sattari M**, Masoud A, Kangarloo A. Detection of immunoglobulins in explants cultures of chronic dental periapical lesions. *Beheshti Univ. Dent. J.* 1998; 16; 203-209.
- 2) **Sattari M**, Asna-Ashari M. Presence and concentration of IgE in human chronic periapical lesions. *Pejouhandeh Journal* 1999; 3: 101-106.
- 3) **Sattari M**, Azimi Sh, Jamshidian Tehrani M. Correlation between presence, concentration and ratio of IgA and diameter of chronic dental periapical lesions. *Pejouhandeh Journal* 1999; 3: 61-66.

- 4) **Sattari M**, Seyedein M, Alipanah R, Pesaran Bonakdar M. Correlation between local immunoglobulins and Localized Juvenile Periodontitis (LJP) and Rapidly Progressive Periodontitis (RPP). Beheshti Univ. Dent. J. 1999; 17: 183-192.
- 5) **Sattari M**, Mir-Aghaiee M. Effect of Calcium Hydroxide on human peripheral blood mononuclear cells. Beheshti Univ. Dent. J. 2000; 17: 279-284.
- 6) **Sattari M**, Saberi Tehrani B. Correlation between concentration of IgE and the diameter of chronic dental periapical lesions. Beheshti Univ. Dent. J. 2001; 19: 62-67.
- 7) **Sattari M**, Roshan-Zameer R. Correlation between pulpal immunoglobulins and the status of tooth impaction. Beheshti Univ. Dent. J. 2001; 19: 236-242.
- 8) **Sattari M**, Dibaj M, Asna-Ashari M, Kamali Z. Correlation between immunoglobulins and different states of dental pulps. Beheshti Univ. Dent. J. 2003; 21:44-51.
- 9) Asna-Ashari M, **Sattari M** Dadkhah M. Anxiety in patients undergone endodontic treatment in dental school of Islamic Azad University. Beheshti Univ. Dent. J. 2003; 20:44- 51.
- 10) Yadegari Z, **Sattari M**, Moozeh MB. Correlation between neutrophil chemotaxis and aggressive periodontitis. Beheshti Univ. Dent. J. 2003, 21:
- 11) Javaheri GH, Abedi AH, **Sattari M**, Khalili S. Comparison of the cytotoxic effects of Root-MTA , MTA and Portland cement on peripheral blood mononuclear cells. Journal of Dental School of Shahid Beheshti Medical Sciences University. 2005, 21: 562-568
- 12) **Sattari M**, Kazem M, Termei R, Asna ashari M. Comparison of primary and permanent teeth with asymptomatic pulpitis regarding pulpal immunoglobulins. Journal of Dental School of Shahid Beheshti Medical Sciences University. 2005, 23: 48-54.
- 13) Khalili S, **Sattari M**, Moozeh MB. Correlation between SP and CGRP and different regions of human gingival. Beheshti Univ. Dent. J. 2006, 24:70-75.
- 14) **Sattari M**, Khalili S, Rakhshan M. Correlation between number of mast cells and presence of IgE in chronic dental periapical lesions. Beheshti Univ. Dent. J. 2006, 24: 328-334.

- 15) Sattari M**, Basirat M, Ghasemi A, Mehrmofakham Sh. Correlation of Neutrophil Chemotaxis and Dental Caries. Beheshti Univ. Dent. J. 2006, 24:102-107.
- 16) Mahshid M, Sattari M**, Mehdizadeh M. Comparison of cellular toxicity of Iranian and non-Iranian self cure acrylics and their effects on production of IL-6. Shiraz Univ. Dent. J. 2007, 7:63-74.
- 17) Asna-ashari M, Sattari M**, KazemiZand F. A Survey of the Microleakage of Mineral Trioxide Aggregate, Root Mineral Trioxide Aggregate and Portland Cement in Repairing Lateral Perforations of the Root Canals. Shiraz Univ. Dent. J. 2007, 7:33-43.
- 18) Jaber Ansari Z, Sattari M**, Torabi A. Comparison of cytotoxic and inflammatory effects of four bonding agents on L929 mouse fibroblasts. Beheshti Univ. Dent. J. 2007, 25:162-166.
- 19) Sattari M**, Nazarinia H, Khalili S, Asnaashari M, Kangarloo A. Correlation between IL-4 and IL-12 and the diameters of chronic periapical lesions. Beheshti Univ. Dent. J. 2008, 26:363-368.
- 20) Tabibzadeh Nouri Z, Sattari M**, Erfanian B. The correlation between tobacco use and TGF-B1 levels in gingival crevicular fluid in chronic moderate-severe periodontitis. Beheshti Univ. Dent. J. 2010, 28:56-63.
- 21) Ganji A**, Amini Behbahani A, **Sattari M**, Moozeh MB, Ghatreh Samani M. Correlation of IL-17A and RANKL concentration in GCF with periodontal disease. Beheshti Univ. Dent. J. 2011, 29:22-28.
- 22) Sattari M**, Khajeh-Noori B, Moozeh MB, Mehrmofakham S. Mollahosseini M, Yeganeh F. Correlation between leptin concentration and chronic periodontitis. Beheshti Univ. Dent. J. 2012, 29:283-289.

### **Abstracts**

- 1) **Mandana Sattari, Ahmad Masood: Detection of immunoglobulins and auto antibodies in tissue extracts of different types of dental periapical**

- lesions. 9<sup>th</sup> International congress of Immunology. San Francisco, USA, 1995.
- 2) **Mandana Sattari:** Immunopathogenesis of chronic dental periapical lesions. 35<sup>th</sup> annual and 2<sup>nd</sup> international scientific dental congress of Iranian dental association. Tehran, 1995.
  - 3) **Mandana Sattari:** New aspects of immunopathogenesis of Localized Juvenile Periodontitis. 37<sup>th</sup> annual and 4<sup>th</sup> international scientific dental congress of Iranian dental association. Tehran, 1997.
  - 4) **Mandana Sattari:** The role of humoral immune response in formation of chronic dental periapical lesions. 38<sup>th</sup> annual and 5<sup>th</sup> international scientific dental congress of Iranian dental association. Tehran, 1998.
  - 5) **Shahram Azimi, Mandana Sattari:** Correlation between IgA concentration and clinical symptoms in chronic dental periapical lesions. 2<sup>nd</sup> international endodontic congress of Iranian endodontics association. Mashad, 1998.
  - 6) **Mandana Sattari, Mohammad Asna-Ashari:** Possible role of allergy in pathogenesis of chronic dental periapical lesions. 4<sup>th</sup> scientific congress of Iranian association of Immunology and Allergy. Esfahan, 1998.
  - 7) **Shahram Azimi, Mandana Sattari:** Role of IgA in progression of chronic dental periapical lesions. 4<sup>th</sup> scientific congress of Iranian association of Immunology and Allergy. Esfahan, 1998.
  - 8) **Masoomeh Dibaj, Mandana Sattari:** Role of immunoglobulins in the diseases of dental pulps. 4<sup>th</sup> scientific congress of Iranian association of Immunology and Allergy. Esfahan, 1998.
  - 9) **Mandana Sattari, Behnam Saberi Tehrani:** Correlation between allergy and the diameter of chronic dental periapical lesions. 39<sup>th</sup>

annual and 6<sup>th</sup> international scientific dental congress of Iranian dental association. Tehran, 1999

- 10) Masoomeh Dibaj, *Mandana Sattari*: Comparison of different states of dental pulps regarding to presence and concentration of immunoglobulins. 39<sup>th</sup> annual and 6<sup>th</sup> international scientific dental congress of Iranian dental association. Tehran, 1999
- 11) Keywan Zoofan, *Mandana Sattari*, Arash Manavi: Bone morphogenetic proteins and modern endodontic treatments. 3<sup>rd</sup> international endodontic congress of Iranian endodontics association. Shiraz, 1999.
- 12) Mohammad Asna-Ashari, *Mandana Sattari*: Correlation between type I hypersensitivity reaction and history of endodontic treatment. 3<sup>rd</sup> international endodontic congress of Iranian endodontics association. Shiraz, 1999.
- 13) Masoomeh Dibaj, *Mandana Sattari*: Correlation between pulp polyps and presence or concentration of immunoglobulins. 3<sup>rd</sup> international endodontic congress of Iranian endodontics association. Shiraz, 1999.
- 14) *Mandana Sattari*, Mojtaba Seyedein, Rashin Alipanah, Mohammad Pesaran Bonakdar: Correlation between local immunoglobulins and Localized Juvenile Periodontitis (LJP) and Rapidly Progressive Periodontitis (RPP). 40<sup>th</sup> annual and 7<sup>th</sup> international scientific dental congress of Iranian dental association. Tehran, 2000.
- 15) Daryoosh poormand, *Mandana Sattari*: Effect of Cimetidine on rat neutrophils. 5<sup>th</sup> scientific congress of Iranian association of Immunology and Allergy. Tehran, 2000.
- 16) *Mandana Sattari*, Masoomeh Dibaj: Cytotoxic effect of Apexit sealer on human peripheral blood mononuclear cells. 4<sup>th</sup> international

endodontic congress of Iranian endodontics association. Esfahan, 2000.

- 17) Mahsa Hejazi, *Mandana Sattari*: Correlation between IgE and different states of dental pulps. 4<sup>th</sup> international endodontic congress of Iranian endodontics association. Esfahan, 2000.
- 18) *Mandana Sattari*: Immune responses in healthy and diseased pulps. 5<sup>th</sup> international endodontic congress of Iranian endodontics association. Tehran, 2001.
- 19) *Mandana Sattari*: Immunologic aspects of hard tissue resorption. 5<sup>th</sup> international endodontic congress of Iranian endodontics association. Tehran, 2001.
- 20) Maryam Ganjehzadeh Rohani, *Mandana Sattari*, Mohammad Asna-Ashari: Correlation between pulpal immunoglobulins and dental caries. 5<sup>th</sup> international endodontic congress of Iranian endodontics association. Tehran, 2001.
- 21) *Mandana Sattari*, Zahra Yadegari, Mohammad Bagher Moozeh: Neutrophil chemotaxis in patients with aggressive periodontitis. 42<sup>nd</sup> annual and 9<sup>th</sup> international scientific dental congress of Iranian dental association. Tehran, 2002.
- 22) *Mandana Sattari*: Correlation between IgE and dental root diseases. 6<sup>th</sup> scientific congress of Iranian association of Immunology and Allergy. Tehran, 2002.
- 23) Babak Farrokhi, *Mandana Sattari*: Effects of Cyclosporine A on the function of human peripheral blood neutrophils. 6<sup>th</sup> scientific congress of Iranian association of Immunology and Allergy. Tehran, 2002.

- 24) ***Mandana Sattari***: Correlation of humoral immune responses and irreversible pulpitis. 6<sup>th</sup> international endodontic congress of Iranian endodontics association. Tehran, 2002.
- 25) ***Mandana Sattari***, Mahsa Hejazi, Mohammad Asna-Ashari: Possible Role of Allergy in the Pathogenesis of Irreversible Pulpitis. 7<sup>th</sup> Internet world Congress for Biomedical Sciences. Salud, Peru, April 2002.
- 26) ***Mandana Sattari***, Zahra Yadegari, Mohammad Bagher Moozeh: Neutrophil chemotaxis defects of patients with Rapidly Progressive Periodontitis (RPP). 7<sup>th</sup> Internet world Congress for Biomedical Sciences. Salud, Peru, 2002.
- 27) ***Mandana Sattari***, Zahra Yadegari, Mohammad Bagher Moozeh: The effect of the saliva of patients with Rapidly Progressive Periodontitis (RPP) on the movement of neutrophils. 6th European Symposium on Saliva. Egmond aan Zee, Netherlands, 2002.
- 28) ***Mandana Sattari***: Immunopathogenesis of Pulp Polyps. 7<sup>th</sup> international endodontic congress of Iranian endodontics association. Mashad, 2003.
- 29) Saeed Khalili, ***Mandana Sattari***. Presence and Concentration of Neuropeptides in Different Regions of Healthy Gingiva. 12<sup>th</sup> International Congress of Immunology and 4<sup>th</sup> Annual Conference of FOCIS. Montreal-Canada, 2004.
- 30) ***Mandana Sattari***, Ali Rahmani Charati, Saeed Khalili. Comparison of the Effect of Saliva on Neutrophil Death between Healthy Individuals and Patients with Periodontal Diseases. 12<sup>th</sup> International Congress of Immunology and 4<sup>th</sup> Annual Conference of FOCIS. Montreal-Canada, 2004.
- 31) Hasan Darbandi, ***Mandana Sattari***, Soudabeh Taheri. The Evaluation of *Pseudomonas aeruginosa* on Human Neutrophil Activity. 12<sup>th</sup>

**International Congress of Immunology and 4<sup>th</sup> Annual Conference of FOCIS. Montreal- Canada, 2004.**

- 32) Parviz Pakzad, Habibollah Saadat, *Mandana Sattari*, Negar Seyed. Assessment of Anti-Streptokinase Antibody in Patients with Heart Diseases and Normal Subjects Referred to Modarress Hospital of Tehran. 12<sup>th</sup> International Congress of Immunology and 4<sup>th</sup> Annual Conference of FOCIS. Montreal-Canada, 2004.**
- 33) *Mandana Sattari*, Ali Rahmani, Saeed Khalili. Failures of neutrophils against periodontal diseases. 7<sup>th</sup> Iranian Congress of Immunology and Allergy, Mashhad, 2004.**
- 34) *Mandana Sattari*, Saeed Khalili. Presence and concentration of neuropeptides in different regions of healthy gingiva. 7<sup>th</sup> Iranian Congress of Immunology and Allergy, Mashhad, 2004.**
- 35) *Mandana Sattari*, Amir Soha Rezaee Shirazi, Saeed Khalili. Determination of the effect of Cyclosporine-A on neutrophil death. 7<sup>th</sup> Iranian Congress of Immunology and Allergy, Mashhad, 2004.**
- 36) *Mandana Sattari*, Ali Rahmani Charati, Saeed Khalili. Effect of Saliva on Neutrophil Death. 4<sup>th</sup> Congress of Balkan Immunology, Istanbul, Turkey, 2004.**
- 37) Hasan Darbandi, *Mandana Sattari*, Ali Kangarloo. Inflammatory effects of root end filling materials on macrophages. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.**
- 38) Shideh Mehrmofakham, *Mandana Sattari*, Maryam Nabipoor Ashrafi. Toxoplasmosis and depression. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.**
- 39) *Mandana Sattari*, Shideh Mehrmofakham, Hasan Darbandi, Saeed Khalili. Histamine, mast cells and IgE in chronic dental periapical**



lesions. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.

40) Shideh Mehrmofakham, *Mandana Sattari*, Ali Kangarloo, Hasan Darbandi. Possible role of type III hypersensitivity reaction in pathogenesis of chronic dental periapical lesions. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.

41) *Mandana Sattari*, Shideh Mehrmofakham, Hasan Darbandi, Hanieh Nazarinia. Inflammatory cytokines in chronic dental periapical lesions. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.

42) Shideh Mehrmofakham, *Mandana Sattari*, Maryam Basirat. Dental caries and neutrophil chemotaxis. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.

43) *Mandana Sattari*, Leili Mehrdad, Mohammad Bagher Moozeh, Shideh Mehrmofakham. Correlation between IL-4 and IL-12 and chronic periodontitis. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.

44) *Mandana Sattari*, Bita Khajehnoori, Mohammad Bagher Moozeh. Correlation between leptin and IL-6 and chronic periodontitis. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.

45) *Mandana Sattari*, Shima Nafarzadeh, Shideh Mehrmofakham. Correlation between pulpal neuropeptides and dental caries. 8<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2006.

46) Shideh Mehrmofakham, *Mandana Sattari*, Maryam Nabipoor. TNF- $\alpha$  and depression. 16th European Congress of Immunology, Paris, France, 2006.

- 47) **Mandana Sattari, Shideh Mehrmofakham, Hasan Darbandi. Effects of Amoxicillin and Ampicillin on IgG production. 12<sup>th</sup> International Congress on Infectious Diseases, Lisbon, Portugal, 2006.**
- 48) **Shideh Mehrmofakham, Mandana Sattari, Hasan Darbandi. Serum leptin level in depression. 10-th Multidisciplinary International Conference of Biological Psychiatry "Stress and Behavior ". Saint Petersburg, Russia, 2007.**
- 49) **Mandana Sattari, Shideh Mehrmofakham, Hasan Darbandi. Neuropeptides and Inflammation in Gingiva. 10-th Multidisciplinary International Conference of Biological Psychiatry "Stress and Behavior ". Saint Petersburg, Russia, 2007.**
- 50) **Bitah Khajehnoori, Mandana Sattari, Shideh Mehrmofakham, Hasan Darbandi, Soodabeh Taheri . Neuropeptides and induction of neutrophil death . 10-th Multidisciplinary International Conference of Biological Psychiatry "Stress and Behavior ". Saint Petersburg, Russia, 2007.**
- 51) **Fariborz.Partovi Rad, Mandana Sattari. Exposure to Electromagnetic Fields and Depression. 10-th Multidisciplinary International Conference of Biological Psychiatry "Stress and Behavior ". Saint Petersburg, Russia, 2007.**
- 52) **Mandana Sattari, Shideh Mehr Mofakham, Hasan Darbandi. The effects of aminoglycosides on neutrophil apoptosis. 9<sup>th</sup> Iranian Congress of Microbiology. Kerman, Iran, 2008.**
- 53) **Shideh Mehrmofakham, Mandana Sattari, Hasan Darbandi. Comparison of the effects of tetracyclin and doxycyclin on IL-6 production by human macrophages. 9<sup>th</sup> Iranian Congress of Microbiology. Kerman, Iran, 2008.**

- 54) Babak Farrokhi, *Mandana Sattari*, Farzaneh Labibi, Zahra Parvan. Ofloxacin inhibit the production of proinflammatory cytokines by peripheral blood mononuclear cells. 9<sup>th</sup> Iranian Congress of Microbiology. Kerman, Iran, 2008.
- 55) *Mandana Sattari*, Hassan Darbandi, Shideh Mehrmofakham, Farzaneh Labibi. Correlation between sCD14 concentration in GCF and GCF- induced apoptosis of neutrophils in patients with chronic periodontitis. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 56) Babak Farrokhi, Minoo Mahshid, Saleh Kor, *Mandana Sattari*. Evaluate the inflammatory effects of dental alloys on fibroblasts. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 57) *Mandana Sattari*, Ali Kangarloo, Hassan Darbandi, Mahdi Ghatreh Samani. Correlation between the concentration of pulpal neuropeptides and different kinds of dental caries. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 58) Hassan Darbandi, *Mandana Sattari*, Shideh Mehrmofakham, Maryam Shahla. Correlation between salivary CD14 and saliva-induced neutrophil apoptosis in patients with periodontal diseases. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 59) *Mandana Sattari*, Marziyeh Rohaninasab. Investigating the effect of the first phase of periodontal therapy on the concentration of IL-17 & IL-23 in GCF of patients with severe periodontitis. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.

- 60) Ali Ganji, *Mandana Sattari*, Reza Mahdian, Mohammad Bagher Moozeh, Arghavan Amini. Relationship between gene expression of IL-17A and IL-17F in gingival tissue and concentration of IL-17A and RANKL in GCF of patients with periodontal diseases. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 61) Mahmood Ghasemi, *Mandana Sattari*, Samira Kavoli, Shadab Ghods. The relationship between salivary RANKL and OPG concentration and periodontitis in patients with type 1 and type II diabetes mellitus. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 62) Shideh Mehrmofakham, *Mandana Sattari*, Babak Farrokhi, Farzaneh Labibi. Serum leptin level in depression. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 63) Shideh Mehrmofakham, *Mandana Sattari*, Hassan Darbandi. Serum leptin and cortisol level in anxiety. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 64) *Mandana Sattari*, Shideh Mehrmofakham, Farzaneh Labibi, Sedigheh Bakhtiari. Correlation between anxiety and salivary cortisol and sIgA. 10<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2010.
- 65) Maryam Salehi , Azam Bolhassani , Taheri T, Elham Mohit, Negar Seyed , Zahedifard F, Taslimi Y, *Mandana Sattari* . Construction of a recombinant *Leishmania tarentolae* expressing human papillomavirus type 16 E7 gene and evaluation of its immunogenicity in C57BL/6 mice model. 12<sup>th</sup> Iranian Congress of Biochemistry, Tehran 2011.

- 66) *Sattari, M; Mehrmofakham, Sh; Kowsari, B; Mohammadbeigi, A; Mohammadi, A; Amiri, N.* Correlation between sCD14 and Induction of Apoptosis of Neutrophils by GCF in Patients with Gingivitis. 11<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2012.
- 67) Darbandi,H; Mirsepasi, S; *Sattari, M; Saleh Abadi,S; Mehrmofakham, Sh; Tabatabei, M.* Vitamin C and Apoptosis of Tumor Cells. 11<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2012.
- 68) Mehrmofakham, Sh; *Sattari, M; Ranjbarzadeh, M; Darbandi, H; Motedayyen, H; Farshbaf, H.* The Effects of Omega- 3 Fatty Acids on the Apoptosis of MCF-7 Cells. 11<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2012.
- 69) Darbandi,H; Saleh Abadi,S; *Sattari, M; Mirsepasi, S; Mehrmofakham, Sh; Tabatabei, M.* Clarithromycin and Apoptosis of Tumor Cells. 11<sup>th</sup> Iranian Congress of Immunology and Allergy, Tehran, 2012.

## **Books**

### **Compilation:**

- 1) Mandana Sattari," AIDS in Denstry ". In: AIDS, 2002.
- 2) Mandana Sattari, " Oral Immunological changes in elderly ". In: Aging Immunology, 2007.
- 3) Ali Ganji, Mandana Sattari. Essentials of Immunology and Serology. 2011.
- 4) Mohammad Ali Javadi, Mandana Sattari: Corneal grafts. Underprint.

### Translation:

- 1) Navid Esfandiari, *Mandana Sattari*: Medical Parasitology, 1992.
- 2) Navid Esfandiari, Jamshid Hajati, Mohammad Reza Rahmani, *Mandana Sattari*, Jamshid Sharafi, Masood Sadeghi, Abolghasem Ajami, Khodayar Ghorban, Foroozan Karimi, Manoochehr Mansoori, Mohammad Reza Niakan, Behrooz Vaziri: Medical Bacteriology, 1992.
- 3) Navid Esfandiari, *Mandana Sattari*: Medical Parasitology (with immunology of parasites), Second Edition, 1997.

### Editing & Supervising:

- 1) Mohammad Reza Rostami, Hooman Bakhshi, Mehdi Aramfar: Review of Medical Basic Sciences- Immunology. **Supervisors:** Abdol-hossein Keyhani, *Mandana Sattari*. **Editor:** *Mandana Sattari*.

### **Prizes:**

- 1) The best immunology teacher for undergraduate medical students in Shaheed Beheshti University of Medical Sciences and Health Services, 2000
- 2) The best immunology teacher for undergraduate medical students in Shaheed Beheshti University of Medical Sciences and Health Services, 2002
- 3) The best immunology teacher for undergraduate medical students in Shaheed Beheshti University of Medical Sciences and Health Services, 2003

- 4) The best immunology teacher for undergraduate medical students in Shaheed Beheshti University of Medical Sciences and Health Services, 2004**
- 5) The best immunology teacher for undergraduate medical students in Shaheed Beheshti University of Medical Sciences and Health Services, 2005**
- 6) The best teacher for undergraduate medical students in Shaheed Beheshti University of Medical Sciences and Health Services, 2007**
- 7) The best teacher for undergraduate medical students in Shaheed Beheshti University of Medical Sciences and Health Services, 2009**
- 8) Best lecturer and paper “Immune responses in healthy and diseased pulps” in 5<sup>th</sup> Congress of Iranian Endodontists Association- Tehran, 2001**
- 9) Active researcher in Research Festival of Shaheed Beheshti University of Medical Sciences and Health Services, 2002**
- 10) Best researcher in Research Festival of Shaheed Beheshti University of Medical Sciences and Health Services, 2003**
- 11) Best published paper in oral pathology in 3<sup>rd</sup> Shaheed Ahmad Hedayat dental festival- Tehran, 2003**
- 12) Best published paper in oral pathology in 6<sup>th</sup> Shaheed Ahmad Hedayat dental festival- Tehran, 2006**
- 13) Supervisor of the best postgraduate thesis in oral and maxillofacial surgery in 8<sup>th</sup> Shaheed Ahmad Hedayat dental festival- Tehran, 2008**
- 14) Supervisor of the best undergraduate thesis in restorative dentistry in 9<sup>th</sup> Shaheed Ahmad Hedayat dental festival- Tehran, 2009**

- 15) Supervisor of the best undergraduate thesis in periodontics in 10<sup>th</sup> Shaheed Ahmad Hedayat dental festival- Tehran, 2009**
- 16) Best researcher in Research Festival of Shaheed Beheshti University of Medical Sciences and Health Services, 2010**
- 17) The best teacher for undergraduate medical students in Shaheed Beheshti University of Medical Sciences and Health Services, 2011**

**Editorial Board:**

- **Associate editor of Tehran University Dental Journal, since 2003.**

