

Qualifications

DDS

Shahid beheshti university of Medical Sciences

Ph.D.

Thesis Title: **Performance of adhesive dental biomaterials.** (PhD Thesis).

Supervisor: Professor DC.Watts

(Department of Biomaterials)

Clinical academy of restorative dentistry, Turner Dental School, Manchester, UK (1998)

Positions Held:

2007- Present Deputy of strategic of Dental Biomaterials, Ministry of health and education ,
IRAN

2010 - Present Deputy of Research of Faculty of Dentistry, Tehran University of Medical
Sciences

2006- Present Head of Department of Dental Biomaterials, Faculty of Dentistry, Tehran
University of Medical Sciences

2002- Present member of research center for science and technology, Tehran University of
Medical Sciences

Patents:

Mohammad Erfan, Hamid reza Moghimi, Azadeh Haeri, Tahereh sadat jafarzadeh kashi, Farhad
Jafarzade

Poly(cpp-sa) anhydride as a reactive barrier matrix against percutaneous absorption of toxic
chemicals (US Patent)

Publications:

J Ai , S Ebrahimi , A Khoshzaban , **TS Jafarzadeh Kashi** , D Mehrabani. **Tissue Engineering
Using Human Mineralized Bone Xenograft and Bone Marrow Mesenchymal Stem Cells
Allograft in Healing of Tibial Fracture of Experimental Rabbit ModelIranian Red Crescent**

Medical Journal. February 2012, Volume 14, Issue 2: 96-103

Hamid Rakhshan, Akbar Fazel, Tahereh S Jafarzadeh-Kashi, Vahid Rakhshan

Effect of water storage and thermocycling on marginal accuracy of three interim resin materials -
Accepted at

Dental Research Journal

T. S .Jafarzadeh Kashi, Marzieh Mirzaii², Mohmmad Erfan³, Akbar Fazel, Solmaz Eskandarion⁵, Vahid Rakhshan. Polymerization behavior and thermal characteristics of two new composites at five temperatures:refrigeration to preheating J Adv Prosthodont 2011;3:216-20

T. S .Jafarzadeh Kashi, Solmaz Eskandarion, Mehdi Esfandyari-Manesh, Seyyed Mahmoud Amin Marashi, Nasrin Samadi,Seyyed Mostafa Fatemi, Fatemeh Atyabi, Saeed Eshraghi, Rassoul Dinarvand. Improved drug loading and antibacterial activity of minocycline loaded PLGA nanoparticles prepared by Solid/Oil/Water ion pairing method. International Journal of Nanomedicine2012,7:221-234

-T. S .Jafarzadeh Kashi, F. S. Tabatabaei, J. Ai, M. Khazaei . EFFETS DU TGFβ1 (TRANSFORMING GROWTH FACTOR) SUR LA DIFFÉRENCIATION DES CELLULES SOUCHES ENDOMETRIALES HUMAINES *Bull Group Int Rech Sci Stomatol Odontol.* 50: 61-64 (2011)

*- M. Erfan, **T.S.jafarzadeh kashi**. An in vitro study of drug-polymer interaction of Poly (1,3-bis(p-carboxy phenoxy) propane-sebacic acid) anhydride **Accepted (IJPR)**

*- **Tahereh Sadat Jafarzadeh Kashi**, Ruha Kasra Kermanshahi , Mohammad Erfan , Elahe Vahid Dastjerdi, Yashar Rezaei, Fahimeh Sadat Tabatabaei. Evaluating the *In-vitro Antibacterial Effect of Iranian Propolis on Oral Microorganisms* **IJPR.2011, 10 (2): 363-368**

*- **T.S.jafarzadeh kashi**, M. Erfan, F.S. Tabatabai, N, Aghabeigh. An in vitro assessment of the effects of three surface treatments on repair bond strength of aged composites. *Operative dentistry* **2011, 36(6) pp 608-617**

*- F.S. Tabatabai, J. Ai, **T.S Jafarzadeh** et al. Human endometrial stem cells: a new source for in vitro regeneration of odontoblasts cells. **Accepted**

*-Jafar Ai,2, Fahimeh S. Tabatabaei3, **Tahereh S. Jafarzadeh Kashi1** Human. Endometrial Adult Stem Cells May Differentiate Into Odontoblast Cells Hypothesis 2009, 7(1): 1-6

* Saeed Asgary, Sima Shahabi, **Tahereh Jafarzadeh**, Sara Amini & Sanam Kheirieh. The Properties of a New Endodontic Material. *Journal of Endodontics* (JOE); August 2008; 34 (8): 990-993

* **TS Jafarzadeh Kashi**, M Erfan, DC Watts. Effect of water of water in HEMA conversion by FT-IR spectroscopy. *J Dentistry*, Tehran University of Medical Sciences; summer 2007; 4(3): 123-129.

* **T. Jafarzadeh**, M.Erfan, D.C. Watts. Creep and viscoelastic behaviour of human dentin. *J Dentistry*, Tehran University of Medical Sciences; 2004; 1(1): 5-14

Interests:

Polymers in dentistry

Dentin bonding agents,

Direct esthetic restorative materials

Scaffolds and biodegradable polymers in Tissue Engineering

Regenerative materials

nano materials

Present projects:

- 1- Preparation, characterization and evaluation of mechanical and biological properties of PLGA/LDH nanocomposites for bone tissue engineering applications
- 2- Characterization the mechanical and biocompatibility of apatite composed dental enamels
- 3- Preparation & characterization of a polymeric nano-particulate system for delivery antibacterial agents and its antibacterial effects on bacteria interact with osteogenesis in oral diseases
- 4- Experimental navigation system in the mandible Cow for apical resection surgery