



	NAME 林殿傑 Lin, Dan-Jae		POSITION TITLE Associate Professor	
	EDUCATION/TRAINING			
	INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
	National Cheng Kung University, Taiwan	M.S.	1996	Materials Science and Engineering
National Cheng Kung University, Taiwan	Ph.D.	2002	Materials Science and Engineering	

### WORKING EXPERIENCE

- 2013/2- Present** Associate professor, Department of Dental Hygiene, China Medical University, Taichung, Taiwan
- 2015/8- Present** Director, Administration Division, Office of Academia-Industry Cooperation China Medical University
- 2015/8- Present** Jointly Appointed Associate Professor, School of Dentistry, China Medical University, Taichung, Taiwan
- 2015/8- Present** Jointly Appointed Associate Professor, Graduate Institute of Clinical Medical Science, China Medical University, Taichung, Taiwan
- 2008/2~2013/1** Assistant professor, Department of Dental Hygiene, China Medical University
- 2007/2~2008/1** Reviewer/Research fellow, Division of Medical Devices, Center for Drug Evaluation
- 2006/8~2007/1** Postdoctoral fellow, Center for Biomaterials and Heart Science Research, National Cheng Kung University
- 2003/8~2006/7** Postdoctoral fellow, Graduate Institute of Anatomy and Cell Biology, College of Medicine, National Taiwan University
- 2003/1~2003/7** Postdoctoral fellow, Department of Materials Science and Engineering, National Cheng Kung University
- 1998-2000** Teaching Assistant for Undergraduate courses (Laboratories of Ceramic & Metal Materials)
- 1996-2003** Graduate Research Assistant (concurrent with Master & PhD degree), Department of Materials Science and Engineering, National Cheng Kung University

### RESEARCH INTEREST

**Biomaterials- synthesis/fabrication, modification, and evaluation**

### ACADEMIC MEMBERSHIP

- 2009-Present** Member of the International Association for Dental Research (IADR)
- 2012-Present** Permanent Member of The Biomaterials and Controlled Release Society (BCRS)
- 2012-Present** Permanent Member of Taiwanese Society of Biomedical Engineering (TSBME)
- 2008-Present** Permanent Member of Taiwan Academy for Dental Hygiene (TADH), Taiwan

(2010-2013 general secretary)

#### **REVIEWER**

1. Materials letter
2. Materials Chemistry and Physics
3. ACS-applied materials & interfaces
4. Journal of Medical and Biological Engineering
5. The Journal of Alloys and Compounds
6. Metal
7. Materials Science and Engineering: C Materials for Biological Applications

#### **PEER-REVIEWED PUBLICATIONS (SINCE 2002)**

1. Yin-Hua Shih, **Dan-Jae Lin**, Kuo-Wei Chang, Shih-Min Hsia, Shun-Yao Ko, Shyh-Yuan Lee, Hsue Shui-Sang, Tong-Hong Wang, Yi-Ling Chen, Tzong-Ming Shieh, Evaluation physical characteristics and comparison antimicrobial and anti-inflammation potentials of dental root canal sealers containing hinokitiol in vitro, PLoS One, 2014 Jun, 9(6): e94941. (SCI)
2. Wen-Cheng Chen, Shih-Ming Hsu, Jia-Huei Ko, Chia-Ching Lin, **Dan-Jae Lin**\*, Effects of bismuth subgallate on properties of calcium phosphate bone cement in vitro, Journal of Medical and Biological Engineering, 2014 Feb, 34(1):8-13. (SCI)
3. **Dan-Jae Lin**\*, Heng-Li Huang, Jui-Ting Hsu, Tzong-Ming Shieh, Lih-Jyh Fuh, Wen-Cheng Chen, Surface Characterization of Bismuth Doped Anodized Titanium, Journal of Medical and Biological Engineering, 2013 Dec, 33(6):538-544. (SCI)
4. Chiung-Fang Wang, Heng-Li Huang, **Dan-Jae Lin**, Yen-Wen Shen, Lih-Jyh Fuh\*, Jui-Ting Hsu\*, Comparisons of maximum deformation and failure forces at the implant--abutment interface of titanium implants between titanium-alloy and zirconia abutments with two levels of marginal bone loss, Biomedical Engineering Online, 2013 May, 12(45):1-10. (SCI)
5. **Dan-Jae Lin**, Tzu-Ning Hung, Ming-Tzu Tsai, Jui-Ting Hsu, Heng-Li Huang, Chien-Hung Yu\*, The Effect of Cyclic Stretching Speed on The Force Degradation of Orthodontic Elastics, Journal of Mechanics in Medicine and Biology, 2013 Feb, 13(1):1-12. (SCI)
6. **Dan-Jae Lin**, Ming-Tzu Tsai, Tzong-Ming Shieh, Heng-Li Huang, Jui-Ting Hsu, Yi Chun Ko, Lih-Jyh Fuh\*, In vitro Antibacterial Activity and Cytocompatibility of Bismuth Doped Micro-Arc Oxidized Titanium, JOURNAL OF BIOMATERIALS APPLICATIONS, 2013, 27(5):553-563. (SCI)
7. Yin-Hua Shih, Kuo-Wei Chang, Michael Yuan-Chien Chen, Cheng-Chia Yu, **Dan-Jae Lin**, Shih-Min Hsia, Heng-Li Huang, Tzong-Ming Shieh\*, Lysyl Oxidase Enhances Cell Proliferation and Angiogenesis in Oral Squamous Cell Carcinoma, HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK, 2013, 35:250-256. (SCI)
8. Ming-Tzu Tsai, **Dan-Jae Lin**, Sherry Huang, Hsiu-Ting Lin, Walter H. Chang\*, Osteogenic Differentiation is Synergistically Influenced by Osteoinductive Treatment and Direct Cell-Cell Contact Between Murine Osteoblasts and Mesenchymal Stem Cells, INTERNATIONAL ORTHOPAEDICS, 2012 Jan, 36(1):199-205. (SCI)
9. **Dan-Jae Lin**, Chien-Ping Ju, Shu-Huei Huang, Yin-Chun Tien, Hsiang-Shu Yin, Wen-Cheng Chen\*, Jiin-Huey Chern Lin\*, Mechanical testing and osteointegration of titanium implant with calcium phosphate bone cement and autograft alternatives, Journal of the Mechanical Behavior of Biomedical Materials, 2011 Oct, 4(7):1186-1195. (SCI)
10. Chun-Hui Chu, **Dan-Jae Lin**, Jing-Wei Lee\*, Quantitative assessment for the efficacy of the osmidrosis treatment using liposuction plus shaver, Journal of Plastic Reconstructive and Aesthetic Surgery, 2011 Jul, 64(7):972-974. (SCI)
11. Heng-Li Huang, Yin-Yu Chang, **Dan-Jae Lin**, Yu-Fen Li, Kuan-Ting Chen, Jui-Ting Hsu\*, Initial

- stability and bone strain evaluation of the immediately loaded dental implant: an in vitro study, CLINICAL ORAL IMPLANTS RESEARCH, 2010 Nov, 22(7):691-698. (SCI)
12. Ming-Gen Tu, Jui-Ting Hsu, Lih-Jyh Fuh, **Dan-Jae Lin**, Heng-Li Huang\*, Effects of Cortical Bone Thickness and Implant Length on Bone Strain and Interfacial Micromotion in an Immediately Loaded Implant, INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS, 2010 Jul, 25(4):706-714. (SCI)
  13. Heng-Li Huang\*, Jui-Ting Hsu, Lih-Jyh Fuh, **Dan-Jae Lin**, Michael Yuan-Chien Chen, Biomechanical simulation of various surface roughnesses and geometric designs on an immediately loaded dental implant, COMPUTERS IN BIOLOGY AND MEDICINE, 2010 May, 40():525-532. (SCI)
  14. Heng-Li Huang, Ming-Tzu Tsai, **Dan-Jae Lin**, Chi-Sheng Chien, Jui-Ting Hsu\*, A new method to evaluate the elastic modulus of cortical bone by using a combined computed tomography and finite element approach, COMPUTERS IN BIOLOGY AND MEDICINE, 2010 Mar, 40():464-468. (SCI)
  15. Jui-Ting Hsu\*, **Dan-Jae Lin**. Effects of eccentric screwing on the initial stability of the acetabular cup in artificial foam bone of different qualities, Artificial Organs, accepted, 2010. (SCI)
  16. Jing-Wei Lee, **Dan-Jae Lin**, Chien-Ping Ju, Hsiang-Shu Yin. Cheng-Chung Chuang, Jiin-Huey Chern Lin\*. In-vitro and in-vivo evaluation of a new Ti-15Mo-1Bi alloy, Journal of Biomedical Materials Research Part B, 91(2):643-650, 2009. (SCI).
  17. Jui-Ting Hsu, Lih-Jyh Fuh, **Dan-Jae Lin**, Yen-Wen Shen, Heng-Li Huang\*, Bone Strain and Interfacial Sliding Analyses of Platform Switching and Implant Diameter on an Immediate-Loaded Implant: Experimental and 3D Finite Element Analyses, Journal of Periodontology, 80;1125-1132, 2009. (SCI)
  18. **Dan-Jae Lin**, Cheng-Chung Chuang, Jiin-Huey Chern Lin, Jing-Wei Lee, Chien-Ping Ju, Hsiang-Shu Yin\*. Bone formation at the surface of low modulus Ti-7.5Mo implants in rabbit femur, Biomaterials, 28: 2582-2589, 2007. (SCI)
  19. **Dan-Jae Lin**, Jiin-Huey Chern Lin and Chien-Ping Ju\*. Effect of Chromium Content on structure and mechanical properties of Ti-7.5Mo-xCr Alloys, Journal of Materials Science: Materials in Medicine, 14(1): 1-7, 2003. (SCI)
  20. **Dan-Jae Lin**, Jiin-Huey Chern Lin and Chien-Ping Ju\*. Effect of Omega Phase on Deformation Behavior of Ti-7.5Mo-xFe Alloys, Materials Chemistry and Physics, 76(2):191-197, 2002. (SCI)
  21. **Dan-Jae Lin**, Jiin-Huey Chern Lin\* and Chien-Ping Ju. Structure and Properties of Ti-7.5Mo-xFe Alloys, Biomaterials, 23: 1723-1730, 2002. (SCI).

#### **RECENT RESEARCH SUPPORT**

1. Gamma Irradiation-Induced Tooth Structure Changes and Its Effects on the Restorative Materials Bonding Characters. (MOST 105-2314-B-039-046-MY2) from MOST Taiwan