

Name :

CHIANG, TING YI

Education :

- Central Taiwan University of Science and Technology-Department of Dental Technology and Materials Science. (Bachelor's Degree)
- Chung Shan Medical University- Oral Medicine Institute (Master 's Degree)
- Chung Shan Medical University- Institute of Oral Science (Ph.D.)
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Career Experience :

- FU-GA dental Lab.- Technical staff of Dental Technology
- Yu-Cheng dental Lab.-Boss.
- Central Taiwan University of Science and Technology-Department of Dental Technology and Materials Science.- Assistant professor.
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Courses Taught :

- Fixed denture
- All-ceramic
- CAD/CAM
- Dental attachment
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Professional Fields :

- Fixed denture
- All-ceramic
- CAD/CAM
- Dental attachment
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Research Interests :

- Biomaterial Science
- Bone repair materials
- Root canal filling material
- Dental materials

Representative Publication in 5 Years :**Journal Articles :**

1. Ting-Yi Chiang, Chung-Kai Wei, Shinn-Jyh Ding. Effects of Bismuth Oxide on Physicochemical Properties and Osteogenic Activity of Dicalcium Silicate Cements. Journal of Medical and Biological Engineering(2014), 34(1): 30-35.
2. Chien-Wen Wang • Ting-Yi Chiang • Hsien-Chang Chang • Shinn-Jyh Ding . Physicochemical properties and osteogenic activity of radiopaque calcium silicate-gelatin cements. J Mater Sci: Mater Med (2014) 25:2193–2203.

3. Chiang TY, Ding SJ. Physicochemical properties of radiopaque dicalcium silicate cement as a root-end filling material in an acidic environment. *International Endodontic Journal* 2013;46:234-241.
4. Chiang TY, Ding SJ. Comparative physicochemical and biocompatible properties of radiopaque dicalcium silicate cement and Mineral Trioxide Aggregate. *Journal of Endodontics* 2010; 36:1683-1687.
5. Chiang TY, Ho CC, Chen David CH, Lai MH, Ding SJ. Physicochemical properties and biocompatibility of chitosan oligosaccharide/gelatin/calcium phosphate hybrid cements. *Materials Chemistry and Physics* 2010; 120:282–288.
6. Shie MY, Chen CH, Wang CY, Chiang TY, Ding SJ. Immersion behavior of gelatin-containing calcium phosphate cement. *Acta Biomaterialia* 2008; 4:646–655.

Conference Papers :

1. Chiang TY , Ding SJ. Physicochemical Properties of Chitosan-Calcium Silicate Cements. 2014 Asian Bio -Ceramics Symposium. .(Poster Presentation)
2. 江亭儀, 丁信智.溶液 pH 值對矽酸鈣二鈣骨水泥性質之影響. 中華牙醫學會第三十六次學術研討會(2013).(Poster Presentation)
3. Ding SJ, Chiang TY. Physicochemical properties of novel radiopaqued dicalcium silicate cements. The 24th IADR-SEA Division Annual Scientific Meeting, Taipei, Taiwan, Sept 19-21, 2010, accepted.
4. Chiang TY, Chen CH, Ding SJ. Properties of gelatin/chitosan/calcium phosphate hybrid cements. TERMIS 2nd World Congress, Seoul,South Korea, Aug 31- Sept 3, 2009, accepted. (Best Poster Presentation Award)
5. Chiang TY, Wei CK, Ding SJ. Effect of Bi₂O₃ on physicochemical properties of dicalcium silicate Cements. 3rd International Congress on Ceramics, Osaka, Japan, Nov 14-18, 2010.
6. Chiang TY, Shie MY, U Ding SJ. Immersion properties of gelatin-containing calcium phosphate cements. The First Asian Biomaterials Congress (1st ABMC), Tsukuba, Japan, Dec 6-8, 2007, accepted. (Oral presentation)

Telephone :

04-22391647*7405 0926-866413

Mail :

ytchiang@ctust.edu.tw