

Name : Hsueh-Chuan Hsu

Education :

- **Ph.D., Materials Science and Engineering, National ChungHsin University**
- **Master, Materials Science and Engineering, National ChengKung University**
- **Bachelor, Chemical Engineering, National Central University**

Career Experience :

- **Library Director, Central Taiwan University of Science and Technology**
- **Director, Department Dental Technology and Materials Science**
- **Professor, Department Dental Technology and Materials Science**

Courses Taught :

- **Dental Materials**
- **Metallic Materials**
- **Corrosion**

Professional Fields :

- **Biomaterials**
- **Dental Materials**

Research Interests :

- **Titanium Alloy, Soft Metal, Corrosion**

Representative Publication in 5 Years :

Journal Articles :

1. **Hsueh-Chuan Hsu**, Shih-Ching Wu, Shih-Kuang Hsu, Cheng-Wei Hsu, Wen-Fu Ho (2019, Oct). Bone-like nano-hydroxyapatite coating on low-modulus Ti-5Nb-5Mo alloy using hydrothermal and post-heat treatments. Thin Solid Films, 687, 137463.
2. Shih-Ching Wu, **Hsueh-Chuan Hsu**, Shih-Kuang Hsu, Mei-Yi Liu and Wen-Fu Ho (2019, Mar). Hydroxyapatite prepared from eggshell and mulberry leaf extract by precipitation method . Biomaterials and Biomedical Engineering , 4(1), 21-32.
3. **Hsueh-Chuan Hsu**, Shih-Kuang Hsu, Shih-Ching Wu, Wen-Fu Ho (2019, Jan). Formation of nanotubular structure on low-modulus Ti-7.5Mo alloy surface and its bioactivity evaluation. Thin Solid Films, 669, 329-337. (Accepted).
4. Shih-Ching Wu, **Hsueh-Chuan Hsu**, Shih-Kuang Hsu, Chien-Pei Tseng, Wen-Fu Ho (2019, Jan). Effects of calcination on synthesis of hydroxyapatite derived from oyster shell powders. Journal of the Australian Ceramic Society , 55(1), 1051-1058. (Accepted).
5. **Hsueh-Chuan Hsu**, Shih-Ching Wu, Shih-Kuang Hsu, Yi-Hang Liao, Wen-Fu Ho (2017, Aug). Effect of different post-treatments on the bioactivity of alkalitreated Ti - 5Si alloy. Bio-Medical Materials and Engineering , 28(5):503-514.
6. Hsing-Ning Yu, **Hsueh-Chuan Hsu**, Shih-Ching Wu, Shih-Kuang Hsu, Wen-Fu Ho (2017, May). Structure and Mechanical Properties of As-Cast Ti-5Sn-xMo Alloys. Materials, 10(5), 458.

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