

## CHAPTER VII

### THESIS OUTPUTS

1. N. Kosachan, A. Jaroenworoluck, S. Jinawath, and R. Stevens "The influence of an Additive Fluxing Agent on Mechanical Properties of Hydroxyapatite for Bone Tissue Engineering", Archives of Bioceramics Research Vol.6, Proceedings of the 6<sup>th</sup> Asian Bioceramics Symposium (ABC 2006) in conjunction with the Asian Symposium on Materials and Processing 2006 and the 2<sup>nd</sup> International Symposium on Biomedical Engineering, Bangkok, Thailand, November 7-10, 2006. (Best poster presentation award)

2. N. Kosachan, A. Jaroenworoluck, N. Koolpreechanun, S. Jinawath, and R. Stevens "*In Vitro* Bioactivity of Calcium Phosphate Ceramics for Bone replacement Applications", Extended Abstract of the 15<sup>th</sup> Academic Conference, the 2007 Annual Meeting: Steps towards the 10<sup>th</sup> Decade of the faculty of Science, Mahamakut Building Chulalongkorn University, Bangkok, Thailand, March 15-16, 2007. (Poster presentation)

3. N. Kosachan, A. Jaroenworoluck, S. Jinawath, and R. Stevens "Effect of Silica on Microstructural Evolution and Mechanical properties of Hydroxyapatite Ceramics", Proceedings of International Conference on Mining, Materials, and Petroleum Engineering: Frontier of Technology (ICFT-2007), Phuket, Thailand, May 10-12, 2007. (Oral presentation)

4. N. Kosachan, A. Jaroenworoluck, N. Koolpreechanun, S. Jinawath, and R. Stevens "Effect of Silica Dopant Content on Hydroxyapatite Bioceramics and Their Bioactivity", Proceedings of the 10<sup>th</sup> International Conference and Exhibition of the European Ceramic Society (ECERs 2007), Berlin, Germany, June 17-21, 2007. (Oral presentation)

5. N. Kosachan, A. Jaroenworoluck, N. Koolpreechanun, S. Jinawath, and R. Stevens "Surface Characteristics of HA and  $\beta$ -TCP immersed in SBF", the 20<sup>th</sup> International Symposium of Ceramics in Medicine (Bioceramics 20), Nantes, France, October 24-26, 2007. (Poster presentation)

6. N. Kosachan, A. Jaroenworoluck, N. Koolpreechanun, S. Jinawath, and R. Stevens "Surface Characteristics of HA and  $\beta$ -TCP immersed in SBF", Key Engineering Materials, Vol. 361-363 (2008), Page 167-170.

7. N. Kosachan, A. Jaroenworoluck, S. Jinawath, and R. Stevens "Structure and Morphology of Calcium Phosphate Layer on Surface of Silica-doped Hydroxyapatite immersed in Simulated Body Fluid", Proceeding of the 6<sup>th</sup> Asian-australasian Conference on Composite Materials (ACCM 6), Kumamoto, Japan, September 23-26, 2008. (Oral presentation)