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2002: Doctor of Philosophy, Prince of Songkla University, Biomedical Science
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Research Interest: Stem cells and Bone tissue engineering

Five Years publication

1. Tangsuksant T, Ummartyotin S, Pongprayoon T, **Arpornmaeklong P**, Apinyauppatham K. Property and biological effects of the cuttlebone derived calcium phosphate particles, a potential bioactive bone substitute material. J Biomed Mater Res B Appl Biomater. 2023 Jan 31. doi: 10.1002/jbm.b.35226. Epub ahead of print. PMID: 36718607.
2. Prapaipittayakhun J, Boonyuen S, Zheng ALT, Apinyauppatham K, **Arpornmaeklong P**, Biologic effects of biosynthesized Oroxyllum indicum/silver nanoparticles on human periodontal ligament stem cells, OpenNano, 9, 2023, 100117, <https://doi.org/10.1016/j.onano.2022.100117>.
3. **Arpornmaeklong P**, Jaiman N, Apinyauppatham K, Fuongfuchat A, Boonyuen S. Effects of Calcium Carbonate Microcapsules and Nanohydroxyapatite on Properties of Thermosensitive Chitosan/Collagen Hydrogels. Polymers (Basel). 2023 Jan 12;15(2):416. doi: 10.3390/polym15020416. PMID: 36679297; PMCID: PMC9861171.

4. **Arpornmaeklong P**, Sareethammanuwat M, Apinyauppatham K, Boonyuen S. Characteristics and biologic effects of thermosensitive quercetin-chitosan/collagen hydrogel on human periodontal ligament stem cells. *J Biomed Mater Res B Appl Biomater*. 2021 Oct;109(10):1656-1670. doi: 10.1002/jbm.b.34823. Epub 2021 Mar 1. PMID: 33644957.
5. Sareethammanuwat M, Boonyuen S, **Arpornmaeklong P**. Effects of beta-tricalcium phosphate nanoparticles on the properties of a thermosensitive chitosan/collagen hydrogel and controlled release of quercetin. *J Biomed Mater Res A*. 2021 Jul;109(7):1147-1159. doi: 10.1002/jbm.a.37107. Epub 2020 Oct 12. PMID: 32985073.
6. **Arpornmaeklong P**, Pressler MJ. Effects of β -TCP scaffolds on neurogenic and osteogenic differentiation of human embryonic stem cells. *Ann Anat*. 2018 Jan;215:52-62. doi: 10.1016/j.aanat.2017.09.008. Epub 2017 Sep 24. PMID: 28954207.
7. **Arpornmaeklong P**, Pripatnanont P, Chookiatsiri C, Tangtrakulwanich B. Effects of Titanium Surface Microtopography and Simvastatin on Growth and Osteogenic Differentiation of Human Mesenchymal Stem Cells in Estrogen-Deprived Cell Culture. *Int J Oral Maxillofac Implants*. 2017 Jan/Feb;32(1):e35-e46. doi: 10.11607/jomi.4969. PMID: 28095523.
8. **Arpornmaeklong P**, Sutthitairong C, Jantaramanant P, Pripatnanont P. Allogenic human serum, a clinical grade serum supplement for promoting human periodontal ligament stem cell expansion. *J Tissue Eng Regen Med*. 2018 Jan;12(1):142-152. doi: 10.1002/term.2379. Epub 2017 Jul 14. PMID: 27957806.
