

Curriculum Vitae

Dr. Sani Boonyagul , Ph.D

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EDUCATION

- Ph.D. (Dental Biomaterial Science), Chulalongkorn University, Thailand, 2012
- M.Sc. (Applied Physics), Chiangmai University, Thailand, 1999
- B.Sc. (Material Science), Chiangmai University, Thailand, 1996

CURRENT POSITION

- Lecturer in Physics and Biomedical Engineering Program, Faculty of Science, Rangsit University.
- Director of Master Degree Program in Biomedical Engineering, Faculty of Science, Rangsit University.

OFFICE ADDRESS:

- Biomedical Engineering Program, Faculty of Biomedical Engineering, Rangsit University;
52/347 Paholyothin Road, Muang, Pathumtani, Thailand, 12000
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OTHER PROFESSIONAL POSITIONS:

- Board of Committee: Dental Biomaterial Science Association of Thailand.
- Member: Thai Biomedical Engineering Research Association
- Board of Director: International Healthcare Standards Education and Improvement Center (IHIC)
- Board of Director: Faculty of Science Rangsit University.

RESEARCH GRANTS:

- Research Institute, Rangsit University. The Study of Surface Morphology and Metal Ion Release from Fashion and Standardized Orthodontic Appliances in Artificial Saliva (June 2011-2012)

PUBLICATIONS

- S.Boonyagul, T.Eadsongkram and T.Kaewgun. (2016, October), *A Study on the Design and Construction of Electronic Apex Locator*. The 4th BME-HUST 2016 International Conference on Biomedical Engineering, 5-6 October 2016. IEEE. Hanoi, Vietnam, 2016.
- S. Boonyagul, N. Wongekanan and T.Kaewgun. (2015, September). *The design and construction of the Low-Cost Electric Pulp Tester*. The 8th Biomedical Engineering International Conference (BMEiCON-2015). 25-27 November 2015. IEEE. Pattaya, Thailand, 2015; pp. 1-5.
- S. Boonyagul, P.Thunyakitpisal and W. Tachaboonyakiat, *Physical Properties and Biocompatibilities of Acemannan Scaffold for Biomedical Applications*. The 7th Biomedical Engineering International Conference (BMEiCON-2014). 26-28 November 2014. IEEE. Fukuoka, Japan, 2014; pp. 1-5.
- N. Pattarapornjareon, C. Jindarojanakul, P. Wattanavoravete, S. Sriarunotai and S.Boonyagul, *The Study of Surface Morphology and Metal Ion Release from Fashion and Standardized Orthodontic Appliances in Artificial Saliva*, The 2nd Academic Science and Technology Conferences (ASTC 2014), Thailand, 2014.
- P.Thunyakitpisal, P. Jansisyanont, S. Tiyapongprapan, W.Banlunara, P.Sangvanich and S.Boonyagul, [*Acemannan Induced Tooth Socket Healing: Clinical and Animal Studies*](#), 2nd Meeting of the International Association of Dental Research Asia Pacific Region, Thailand, 2013.
- S.Boonyagul , W. Banlunara , P. Sangvanich and P. Thunyakitpisal, *Effect of acemannan, an extracted polysaccharide from Aloe vera, on BMSCs proliferation, differentiation, extracellular matrix synthesis, mineralization, and bone formation in a tooth extraction model*, Odontology, 2013, pp :310-7.

- S. Ananta, G. Rujijanagul, S. Boonyagul and T. Tunkasiri. *Microstructural Investigation Of 0-3 PZT/Polymer Composites*, Proceedings of the 7th Asia-Pacific Electron Microscopy Conference, 26-30 June 2000, Singapore.

COURSES TAUGHT

- Physics For Medical Technology
- Physics For Dentistry
- Physics For Physical Therapy
- Fundamental of Biomechanics
- Fundamentals of Engineering Mechanics and Materials
- Projects on the Design and Construction of Biomedical Instruments
- Biomedical Materials
- Introduction to Biomedical Engineering

PROFESSIONAL SERVICE AND SOCIETIES

- Reviewer in the 2014 IUPAC World Polymer Congress or MACRO 2014 during 6 – 11 July 2014, Chiang Mai province, Thailand.
- Organization Committee and Secretary of the 2nd meeting of Thai Society of Dental Biomaterials (TSDB) 2015, 31 March 2015, Mercure Hotel, Bangkok, Thailand.
- Reviewer in the 2nd meeting of Thai Society of Dental Biomaterials (TSDB) 2015, 31 March 2015, Mercure Hotel, Bangkok, Thailand.
- Organization Chair of Biomedical Engineering International Conference 2015. November 25-27 2015. Pattaya, Thailand.
- Organization Committee of the 3rd meeting of Thai Society of Dental Biomaterials (TSDB), 14 December 2016, Swissotel Le Concorde Hotel, Bangkok, Thailand.
- Organizing Co-Chair of the 3rd of International Conference on Biomedical Engineering (BME-HUST) 2015, 5-6 October 2016, in Hanoi University of Science and Technology (HUST), Hanoi, Vietnam
- Reviewer in the 3rd of International Conference on Biomedical Engineering (BME-HUST) 2015, 5-6 October 2016, in Hanoi University of Science and Technology (HUST), Hanoi, Vietnam.

TRAININGS, CERTIFICATES, WORKSHOPS

- Certificate: Training in International Standards of Healthcare and Hospital Management, IHIC and Healthcare Expert Co. Ltd. 2015.
- Workshop: St. Lukes International Hospital, Japan “Hospital Management and International Standards”, 20-25 May, 2015.
- Certificate: Training and Workshop on “Internal Quality Assurance (IQA) in Academic” Office of Academic Standards, Rangsit University, 2016.