Asst.Prof.Dr. Yardnapar Parcharoen

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Birth date : May 10, 1986

Education:
King Mongkut's University of Technology Thonburi
2008–2014. PhD in Biological Engineering Program
Dissertation: Electrochemical Deposition of Novel Graphene Oxide-Hydroxyapatite Composite onto Titanium Dioxide Nanotubes for Orthopaedic Applications
Committee: Preecha Termsuksawad and Sirinrath Sirivisoot
GPA: 3.66/4.00
2004–2007. Bachelor of Science Microbiology from Genetic Engineering Lab.
Thesis: Cloning and Expression of Green Fluorescent Protein Lactococcus lactis
GPA: 3.40/4.00

Languages: Thai, English

Job history
Present Employment: Chulabhorn International Collage of Medicine at Thammasat University

Field of Interest:
1. Biomaterial and material science
2. Medical device
3. Electrochemical sensor

Appointments Thammasat University
2015 - (Start 1 April, 2015). Lecturer, Chulabhorn International Collage of Medicine at Thammasat University
King Mongkut's University of Technology Thonburi
2015- Special lecturer, Anatomy, in Media Arts King at Mongkut's University of Technology Thonburi (KMUTT)
2013- Research Assistant, Implant Materials Development with Graphene Oxide Applications Research.
2008– Graduate Affiliate, Biological Engineering Program

2010– 2011 Teaching Assistant, System Principles of Living System, King Mongkut's University of Technology Thonburi (KMUTT)

Awards

2017- Bronze prize in “Seoul International Invention Fair 2017” (SIIF 2017)
2015- Third prize in “Enjoy Science: Let’s Print the World”, Thai FootMassage Model, NSTDA
2014- The best presentation award in “International Conference on Safe and Sustainable Nanotechnology”
2014- The best paper award in “International Conference of Advances in Science and Technology

Publications Refereed Papers

2023- Pratumpong, P., Cholprecha, T., Roungpaisan, N., Srisawat, N., Toommee, S., Pechyen, C., & Parcharoen, Y. (2023). Effects of Melt-Blown Processing Conditions on Nonwoven Polylactic Acid and Polybutylene Succinate. Polymers, 15(20), 4189.

2023- Tangnorawich, B., Magmee, A., Roungpaisan, N., Toommee, S., Parcharoen, Y., & Pechyen, C. (2023). Effect of Polybutylene Succinate Additive in Polylactic Acid Blend Fibers via a Melt-Blown Process. Molecules, 28(20), 7215.

2023- Chuasontia, I., Sirisom, W., Nakpathomkun, N., Toommee, S., Pechyen, C., Tangnorawich, B., & Parcharoen, Y. (2023). Development and Characterization of Nano-Ink from Silicon Carbide/Multi-Walled Carbon Nanotubes/Synthesized Silver Nanoparticles for Non-Enzymatic Paraoxon Residuals Detection. Micromachines, 14(8), 1613.

2023- Oonchit, S., Cherdhirunkorn, B., Tharabenjasin, P., Pabalan, N., Chintanavilas, K., Marks, R., ... & Pechyen, C. (2023). Electrode surfaces based on multiwall carbon nanotubes-chitosan composites validated in the detection of homocysteine biomarkers for cardiovascular disease risk monitoring. Eurobiotech Journal, 7(3), 144-154.

2021- Lueangarun, S., Visutjindaporn, P., Parcharoen, Y., Jamparuang, P., & Tempark, T. (2021). A systematic review and meta-analysis of randomized controlled trials of United States Food and Drug Administration-approved, home-use, low-level light/laser therapy devices for pattern hair loss: device design and technology. The Journal of Clinical and Aesthetic Dermatology, 14(11), E64.

2020- Visutjindaporn, P., Parcharoen, Y., & Lueangarun, S. Study of US FDA Clearance Home-Use Low Level Light/Laser Therapy for Androgenetic Alopecia. RSU International Research Conference 2020.

2019- Pabalan, N., Tharabenjasin, P., Parcharoen, Y., & Tasanarong, A. (2019). Association between the ACE I/D gene polymorphism and progressive renal failure in autosomal dominant polycystic kidney disease: A meta-analysis. medRxiv, 19002949.

2017- Parcharoen, Y., Termsuksawad, P., & Sirivisoot, S. (2017). Bacterial stress and osteoblast responses on graphene oxide-hydroxyapatite electrodeposited on titanium dioxide nanotube arrays. Journal of Nanomaterials, 2017.

2016- Parcharoen Y and Sirivisoot S. 2016. Surface modifications of orthopedic implant materials using an electroplating process. In: Webster T, Yazici H, editors. Biomedical Nanomaterials: From Design To Implementation. 1st ed. Croydon: Institution of Engineering and Technology; p. 15-48

2016- Parcharoen, Y., Termsuksawad, P., & Sirivisoot, S. (2016). Improved bonding strength of hydroxyapatite on titanium dioxide nanotube arrays following alkaline pretreatment for orthopedic implants. Journal of Nanomaterials, 2016.

2014- Sirivisoot, S., Parcharoen, Y., & Webster, T. J. (2014). Electrochemical detection of bacteria using graphene oxide electrodeposited on titanium implants. Advances in Science and Technology, 96, 45-53.

2014- Parcharoen, Y., Kajitvichyanukul, P., Sirivisoot, S., & Termsuksawad, P. (2014). Hydroxyapatite electrodeposition on anodized titanium nanotubes for orthopedic applications. Applied Surface Science, 311, 54-61.

2014- Yardnapar Parcharoen, Preecha Termsuksawad, Sirinrath Sirivisoot. Electrochemical Deposition of Novel Graphene Oxide-Hydroxyapatite Composite onto Titanium Dioxide Nanotubes for Orthopaedic Applications. International Journal of Advances in Science and Technology (IJAST), 201-208.

2014- Yardnapar Parcharoen, Preecha Termsuksawad, Sirinrath Sirivisoot. A Deposition of Novel Graphene Oxide-Hydroxyapatite Composite onto Titanium Dioxide Nanotubes as an Antibacterial Implant Material. Proceedings of the 2nd ASEAN Plus Three Graduate Research Congress (2ndAGRC), Bangkok 5-7 February 2014, O-BS016, 98-109.

2014- Yardnapar Parcharoen, Preecha Termsuksawad, Sirinrath Sirivisoot. Multifunctional Materials for Bone Replacement Using Graphene Oxide, Hydroxyapatite, and Titanium Dioxide Nanotubes, GTSNN 2014 International Conference on Safe and Sustainable Nanotechnology, 56. (The best presentation award)

Patents / Petty patents Or the use to benefit the community / society

2017- Bronze Medal of Inventions from the "Seoul International Invention Fair 2017" (SIIF 2017) in Seoul, Republic of Korea

2018- Yardnapar Parchareon. 2018. Magnetic receiving and transcoding program from the magnetic field sensor located in the pressure sensor. National Copyrights No. 7121. (Application number 363978, date of application for 08/03/2018)

2018- Yardnapar Parchareon. 2018. Android program for commanding And show results via smart device To be used in learning Thai massage by pressing reflex points on the feet. National copyright number 7122. (request number 363979, request date 08/03/2018)

2019- Yardnapar Parchareon. 2019. Acupressure equipment with sensors for measuring pressure. Patent number 14877, Department of Intellectual Property Ministry of Commerce. (Application number 1803000541, the date of requesting 28/02/2018)