Standing Committee Nomination Form 2025

☒ First Nomination ☐ Nomination for re-election

This nomination is for:
*(tick one box only) PLEASE USE **ONE FORM** PER NOMINATION*

☐ Membership Liaison and Support Committee ☐ Dental Practice Committee

☒ Education Committee ☐ Science Committee

DOCUMENTATION REQUIRED

Written presentation from the Nominee in English (Maximum 350 words for Standing Committees)
☒ Included

Curriculum Vitae (CV) / personal record in English in a Word format
☒ Included

NOMINEE'S INFORMATION

Title: Professor
Name: Thanaphum Osathanon
Address: Faculty of Dentistry, Chulalongkorn University 34 Henri-Dunant Road, Wangmai, Pathumwan, Bangkok 10330 Thailand
Member Association: The Dental Association of Thailand
The nominee declares that he/she is willing to serve in this position ☒ Yes **Signature** 

NOMINATING ASSOCIATION/ORGANIZATION'S INFORMATION

Name of the Association/Organization The Dental Association of Thailand
Name of Official representing this Association/Organisation (President/NLO/President-elect). The Nominee may not nominate himself/herself. Associate Professor Sirivimol Srisawasdi
Position of Official President
Signature 

To be eligible for election to a standing committee, nominees should meet the specific criteria for each committee listed below. Please tick the boxes below if the corresponding criteria are met.

Membership Liaison and Support Committee

☐ Able to communicate effectively in English, verbally and in documents
☐ Documented knowledge and experience of working within a national or international organization
☐ Documented knowledge and experience in promotion of health policies of writing, printing and/or publishing
☐ Networking and communication skills
☐ A successful candidate evaluation results (only in case of nomination for re-election)

Dental Practice Committee

☐ Able to communicate effectively in English, verbally and in writing
☐ Documented knowledge and experience of clinical dental practice
☐ Experience in the management of projects related to dental practice
☐ Knowledge in areas relevant to the practice of dentistry, such as dental and professional legislation, ethics, practice management, working within a dental team, education, community oral health, etc…
☐ Experience in policy formulation, management and advocacy in the field of dental practice
☐ A successful candidate evaluation results (in case of nomination for re-election)

Education Committee

☒ Able to communicate effectively in English, verbally and in writing
☒ Documented knowledge and experience in organising continuing education programmes for dental practitioners, lecturing experience, and knowledge of educational and training methods
☒ A record of attendance/participation of international dental congresses
☒ Contacts (network) of internationally renowned dental scientists and speakers
☐ A successful candidate evaluation results (in case of nomination for re-election)

Science Committee ***Note**: for Science Committee, a mix of members with expertise from different areas is important. There is currently a requirement for candidates with experience in the fields of radiology, gerodontology / general dentistry and periodontology.*

☐ Able to communicate effectively in English verbally and in writing
☐ Post-graduate scientific qualifications
☐ A substantial record of publications in scientific journals especially dental
☐ Experience in the management of scientific projects
☐ Knowledge of the principles and practice of evidence-based dentistry
☐ Contacts (network) of internationally renowned dental scientists
☐ A successful candidate evaluation results (in case of nomination for re-election)

CLOSING DATES FOR NOMINATIONS FOR STANDING COMMITTEES: 14 May 2025

This form must be signed and returned **preferably by email** to:

Ms Djerdana (Gina) Ivosevic at divosevic@fdiworlddental.org
with copy to Ms Maria Kramarenko mkramarenko@fdiworlddental.org
or **by fax** at +41 (0)22 560 8140

คณะทันตแพทยศาสตร์
FACULTY OF DENTISTRY
Chulalongkorn University

Thanaphum Osathanon, DDS, PhD
Professor, Faculty of Dentistry, Chulalongkorn University
34 Henri-Dunant Road, Wangmai, Pathumwan, Bangkok 10330 Thailand
thanaphum.o@chula.ac.th

May 12, 2025

To the Selection Committee, FDI World Dental Federation

Subject: Letter of Motivation for the Education Committee

I am writing to express my sincere determination to contribute to the Education Committee of the FDI World Dental Federation. I am enthusiastic about participating in and contributing to advancing global dental education through lifelong learning. As a resident of a nation classified as a high-middle-income country, rigorous upskilling and reskilling, along with keeping oneself up-to-date with new knowledge, are crucial to providing a high standard of education for fellow dentists and treatment for patients, thereby optimising the highest health benefits within limited resources. The Dental Association of Thailand, which I serve as an executive committee member, actively endorses lifelong learning for Thai dentists through semi-annual conferences and self-directed web-based tools.

I have been actively involved in the dental education community, as evidenced by being a member of various educational organisations and serving as an invited speaker at numerous international conferences with scientific and educational focuses. By serving on editorial boards of several journals, including the official journal of the FDI World Dental Federation, International Dental Journal, BMC Oral Health, and European Journal of Dentistry, this demonstrates my ability to critically evaluate scientific content and stay up to date in the advanced knowledge of dentistry.

Part of my research focuses on innovations in dental education and the application of artificial intelligence in dentistry. I have contributed to curriculum reform and dental education accreditation and collaborated with education across ASEAN on dental education initiatives. In the context of supportive activities for lifelong learning, a digital learning platform is currently being developed to support dental learners in updating knowledge from anywhere and at any time. With over 165 publications, approximately 80 of which contain international collaborators as co-authors, emphasising the strong scientific network.

Serving on the Education Committee would enable me to make meaningful contributions to dental education and lifelong learning within the dental community, ultimately leading to enhanced global oral health. I sincerely appreciate your consideration of my application. It would be a remarkable opportunity to contribute to the mission of FDI and its efforts in advancing knowledge and technology in dental clinical practice, as well as enhancing community oral health.

Sincerely,

Thanaphum Osathanon, DDS, PhD
Executive Committee, The Dental Association of Thailand,

THE DENTAL ASSOCIATION OF THAILAND
UNDER THE PATRONAGE OF H.M. THE KING

May 13, 2025

To: The Selection Committee, FDI World Dental Federation

Subject: Nomination for the FDI Education Committee

Dear Members of the Selection Committee,

On behalf of the Dental Association of Thailand, it is with great honour and full confidence that I nominate Professor Thanaphum Osathanon for consideration as a member of the Education Committee of the FDI World Dental Federation.

Professor Osathanon is a distinguished academic in the field of dental education and research, currently serving as a Professor in the Faculty of Dentistry at Chulalongkorn University, Thailand. He has consistently demonstrated leadership in curriculum innovation, quality assurance, and international academic collaboration. His contributions to postgraduate dental education and continuing professional development have had a significant impact not only within Thailand but also across ASEAN through his active involvement in regional academic networks and policy development efforts. Professor Osathanon is particularly passionate about promoting equity in access to high-quality dental education and integrating innovative digital tools to enhance learning outcomes and lifelong learning.

The Dental Association of Thailand firmly believes that Professor Osathanon's expertise, global perspective, and commitment to advancing oral health through education align closely with the mission and objectives of the FDI Education Committee. We are confident that his contributions will bring valuable insight and dedication to the Committee's work.

Thank you for your kind consideration of this nomination. Should you require any further information, please do not hesitate to contact us.

Yours sincerely,

Sirivimol Srisawasdi

Associate Professor Dr. Sirivimol Srisawasdi,
President, the Dental Association of Thailand.

71 LADPRAO 95, WANGTONGLANG, BANGKOK 10310, THAILAND TEL. 662-5394748 FAX. 662-5141100

Curriculum Vitae

Name Thanaphum Osathanon
Position Professor

Work address
Centre of Excellence for Dental Stem Cell Biology
Excellence Centre in Regenerative Dentistry,
Department of Anatomy,
Faculty of Dentistry, Chulalongkorn University
34 Henri-Dunant Road, Wongmai
Pathumwan, Bangkok 10330 Thailand
Tel +66834940005
Email thanaphum.o@chula.ac.th

Educational Background

2003	Doctor of Dental Surgery (Honours), Chulalongkorn University, Thailand
2009	Doctor of Philosophy in Oral Biology, University of Washington, Seattle, USA

Training Certificates

2024	Certificate in Learning Innovation, Thammasat University, Thailand
2024	Certificate in Business Innovation, Thammasat University, Thailand

Dental Education Organisation member

Southeast Asian Association for Dental Education (SEAADE)
Association for Dental Education, Asia Pacific (ADEAP)
American Dental Education Association (ADEA)
Association of Dental Education in Europe (ADEE)
International Association of Dental, Oral and Craniofacial Research (IADR)

Dental Education Related Experience

2024-present	Associate Dean in Academic Affairs, Graduate Studies and Lifelong Learning, Faculty of Dentistry, Chulalongkorn University
2025	Invited participant in workshop "Workshop to explore consensus principles and strategies for advancing the WHO Oral Health Action Plan" at the ADEA Annual Session &Exhibition in National Harbor, USA
2025	Keynote Speaker in "Global Advancements in Medical Education: Challenges & Breakthroughs in Dentistry" International Webinar by Tehran University of Medical Science, Iran
2025-present	Representatives of Thailand in the Technical Working Group on ASEAN Dental Education
2024-present	Consultation for program accreditation, faculty of Dentistry, Chulalongkorn University, for accreditation from ASEAN University Network-Quality Assurance (AUN-QA)
2023-2024	SAR team of the MSc. and a PhD program in Oral Biology, Chulalongkorn University, for accreditation from for ASEAN University Network-Quality Assurance (AUN-QA)
2016-2022	Qualified Experts in the Centre for Dental Competency Assessment and Accreditation, Thai Dental Council.
2017-2022	Chair, the Committee for Biomedical and Dental Science Examination, the Centre for Dental Competency Assessment and Accreditation, Thai Dental Council.

Ongoing Dental Education Research Projects

1. Development of MOOC online learning for self-directed learning
2. Differences in learning outcomes assessment scores between student self-assessment and faculty evaluation: a retrospective study from course evaluation documents.
3. Stakeholders' perceptions of the implementation of pass/fail assessment system in the Thai undergraduate dental curriculum: a concurrent mixed-method study.
4. Developing a Competency Framework for Artificial Intelligence in Undergraduate Dental Education.
5. Landscape of Artificial Intelligence in Teaching and Assessment for Dental Education
6. Landscape of Soft Skills in Dental Education: A Bibliometric Analysis and Learning Experience Implementation in Undergraduate Dental Curriculum
7. Exploring the Efficacy of Generative Artificial Intelligence in Enhancing Self-Directed Anatomical Learning
8. Evaluation of Thai dental students' traumatic stress and awareness following the Sagaing Earthquakes
9. Factors influencing the choice of dual degree and cross-disciplinary courses among dental students
10. Integrating design thinking in dental education

Research Expertise

Theme 1:	Innovation in Dental Education
Theme 2:	Artificial Intelligence in Dentistry
Theme 3:	Dental Stem Cells, Periodontal Biology, Oral Tissue Engineering, Cell Signalling, Dentin Regeneration

Work Experience

2025-present	Director, Oral and Craniofacial Science Graduate Program, Faculty of Dentistry, Chulalongkorn University
2024-present	Editorial Board member, European Journal of Dentistry
2022-present	Editorial Board member, International Dental Journal
2022-present	Editorial Board member, BMC Oral Health
2022-present	Editorial Board member, Scientific Reports
2024-present	Associate Dean in Academic Affairs and Graduate Studies, Faculty of Dentistry, Chulalongkorn University
2019-present	Associate Editor, Section Regenerative Dentistry, Frontiers in Dental Medicine
2019-present	Chair, Centre of Excellence for Dental Stem Cell Biology, Faculty of Dentistry, Chulalongkorn University
2020-2024	Associate Dean in Research Affairs, Faculty of Dentistry, Chulalongkorn University
2020-2024	Deputy Director, Chulalongkorn University Dental Innovation Centre, Faculty of Dentistry, Chulalongkorn University
2022-2024	Director, Oral Biology Graduate Program, Faculty of Dentistry, Chulalongkorn University
2018-2019	Director, Oral Biology Research Facility Centre, Faculty of Dentistry, Chulalongkorn University

Invited Speaker Experiences within Past 2 years (2023-2025)

1. Invited speaker, Asia Pacific Endodontic Conference (APEC) 2023, Taipei, Taiwan "Bioactive molecules targeting specific cell signalling to promote dentin bridge formation"
2. Invited speaker, 2023 Rising Star/Guiding Star Symposium of IADR APR, Sichuan, China "Mechanical force modulates dental stem cell behaviours"
3. Invited speaker, 37th IADR-SEA Annual Scientific Meeting & 2nd International Oral Health Symposium 2023, Singapore "Mechanical stimulation modulates dental stem cell responses"

4. Invited presenter, 2023 Joint Symposium – Chulalongkorn – Osaka – SNU – Sydney, Seoul, South Korea "Signalling Mechanisms of Mechanical Forces Modulate Induced Pluripotent Stem Cell Responses"
5. Invited speaker, Oral Health Research Connect 2023, Sydney, Australia "Research and Innovation in Dentistry"
6. Invited speaker, the 7th International workshop on dental research, Jakarta, Indonesia "Navigating distuption: from research & innovation insights in entrepreneurial action:
7. Invited speaker, The International CUVC 2023, Bangkok, Thailand "Oral and dental tissue regeneration approaches using stem cells and biomaterials"
8. Invited speaker, International Symposium of Kyungpook National University Dental Hospital, Advancement for the Future 2024, Daegu, South Korea "Decellularized extracellular matrix originating from dental stem cells and the control of stem cell differentiation"
9. Invited speaker, World Biomaterial Congress 2024, Daegu, South Korea "Deciphering osteogenic induction pathways of decellularized extracellular matrix derived from dental stem cells"
10. Invited speaker, the 38th Joint Annual Scientific Meeting IADR-SEA Division 2024 Malacca, Malaysia "Decellularized extracellular matrix as alternative biomaterials for dental tissue regeneration"
11. Invited speaker, University of Indonesia 2024, Jakarta, Indonesia "Natural product in dentistry"
12. Invited speaker, International Oral Health Summit 2025, the Philippines "Development of biomaterials for periodontal and bone tissue engineering"
13. Keynote Speaker in "Global Advancements in Medical Education: Challenges & Breakthroughs in Dentistry" International Webinar by Tehran University of Medical Science 2025, Iran
14. Invited speaker, 6th International Conference on Traditional Medicine 2025, Nashik, India "Cannabidiols in Dental Treatment: Cellular Mechanisms to Clinical Trials"

International Publications

1. Samaranayake L, Tuygunov N, Schwendicke F, **Osathanon T**, Khurshid Z, Boymuradov SA, Cahyanto A. The Transformative Role of Artificial Intelligence in Dentistry: A Comprehensive Overview. Part 1: Fundamentals of AI, and its Contemporary Applications in Dentistry. Int Dent J. 2025 Apr;75(2):383-396.
2. Tuygunov N, Samaranayake L, Khurshid Z, Rewthamrongsris P, Schwendicke F, **Osathanon T**, Yahya NA. The Transformative Role of Artificial Intelligence in Dentistry: A Comprehensive Overview Part 2: The Promise and Perils, and the International Dental Federation Communique. Int Dent J. 2025 Apr;75(2):397-404.
3. Rojasawasthien T, Srithanyarat SS, Bulanawichit W, **Osathanon T**. Effects of mechanical force stress on the inflammatory response in human periodontal ligament cells. Int Dent J 2025;75(1):117-126.
4. Soe ZC, Nan DN, Wahyudi R, Vongsutilers V, Kamolratanakul P, Everts V, **Osathanon T**, Limjeerajarus CN, Limjeerajarus N. Asiaticoside-Loaded Nanosponges Hydrogel Has an Anti-inflammatory Effect and Promotes Human Dental Pulp Regeneration. J Endod. 2025 Apr 15:S0099-2399(25)00190-6.
5. Srimaneepong V, Trachoo V, Phothichailert S, Srithanyarat SS, Mahanonda R, Norbert H, Khrueaduangkham S, Promoppatum P, **Osathanon T**. Evaluating Surface Properties and Cellular Responses to Surface-Treated Different Triple Periodic Minimal Surface L-PBF Ti6Al4V Lattices for Biomedical Devices. Int J Mol Sci. 2025 Mar 25;26(7):2960.
6. Manokawinchoke J, Limraksasin P, Limjeerajarus CN, Limjeerajarus N, Samaranayake LP, Egusa H, **Osathanon T.** Mechanical Force Induces Osteogenic Differentiation of Murine Induced Pluripotent Stem Cells via TGF-β Signalling. Orthod Craniofac Res. 2025 Apr 16. doi: 10.1111/ocr.12933.
7. Chuenjitwongsa S, Amir LR, Jessani A, Samaranayake LP, **Osathanon T**. Integrating design thinking into dental education. Front Oral Health. 2025 Mar 13;6:1547335.
8. Pamulang YV, Oontawee S, Rodprasert W, Padeta I, Sa-Ard-Lam N, Mahanonda R, **Osathanon T**, Somparn P, Pisitkun T, Torsahakul C, Sawangmake C. Potential upscaling protocol establishment and wound healing bioactivity screening of exosomes isolated from canine adipose-derived mesenchymal stem cells. Sci Rep. 2025 Mar 27;15(1):10617.

9. Rewthamrongsris P, Phothichailert S, Chokechanachaisakul U, Janjarussakul P, Kornsuthisopon C, Samaranayake L, **Osathanon T**. Simvastatin modulates osteogenic differentiation in Stem Cells isolated from Apical Papilla. BMC Oral Health. 2025 Mar 18;25(1):398.
10. Suwittayarak R, Klincumhom N, Phrueksotsai C, Limjeerajarus N, Limjeerajarus CN, Egusa H, **Osathanon T**. Shear stress preconditioning enhances periodontal ligament stem cell survival. Arch Oral Biol. 2025 May;173:106232.
11. Thongsit A, Oontawee S, Siriarchavatana P, Rodprasert W, Somparn P, Na Nan D, **Osathanon T**, Egusa H, Sawangmake C. Scalable production of anti-inflammatory exosomes from three-dimensional cultures of canine adipose-derived mesenchymal stem cells: production, stability, bioactivity, and safety assessment. BMC Vet Res. 2025 Feb 20;21(1):81.
12. Tran YN, Chansaenroj A, Jivaphetthai A, **Osathanon T**, Arunmanee W. Truncated recombinant Jagged1 fused with human IgG1 Fc activates Notch target genes in human periodontal ligament cells. Arch Oral Biol 2025;170:106138.
13. Achararit P, Manaspon C, Jongwannasiri C, Kulthanaamondhita P, Itthichaisri C, Chantarangsu S, **Osathanon T**, Phattarataratip E, Sappayatosok K. Impacted lower third molar classification and difficulty index assessment: comparisons among dental students, general practitioners and deep learning model assistance. BMC Oral Health 2025;25(1):152.
14. Kornsuthisopon C, Chansaenroj A, Suwittayarak R, Phothichailert S, Usarprom K, Srikacha A, Vimolmangkang S, Phrueksotsai C, Samaranayake LP, **Osathanon T**. Cannabidiol alleviates LPS-inhibited odonto/osteogenic differentiation in human dental pulp stem cells in vitro. Int Endod J 2025 Mar;58(3):449-466.chansaen
15. Oontawee S, Siriarchavatana P, Rodpraset W, Padeta I, Pamulang YV, Somparn P, Pisitkun T, Nambooppha B, Sthitmatee N, Na Nan D, **Osathanon T**, Egusa H, Sawangmake C. Small extracellular vesicles derived from sequential stimulation of canine adipose-derived mesenchymal stem cells enhance anti-inflammatory activity. BMC Vet Sci 2025;21(1):31.
16. Dhammayannarangsri P, Na Lampang S, Tompkins KA, Everts V, **Osathanon T**, Limjeerajarus CN, Limjeerajarus N. Using the appropriate modulus of elasticity of periodontal ligament matters in stress analysis of human first premolar tooth and periodontium structures. Sci Rep 2025;15(1):1549.
17. Tran HT, Rodprasert W, Padeta I, Oontawee S, dwi Purbantoro S, Thongsit A, Siriarchavatana P, Srisuwatanasagul S, Egusa H, **Osathanon T**, Sawangmake C. Establishment of subcutaneous transplantation platform for delivering induced pluripotent stem cell-derived insulin-producing cells. PLoS ONE 2025;20(1):e0318204.
18. Nur Najmi MA, Noor Hasila AD, Azmi F, **Osathanon T**, Megat Abdul Wahab R, Yazid F. Angiogenesis effects of dental stem cells cultured on polymer scaffolds. Sains Malaysiana 2025;54(1):3593-3612.
19. Krasaesin A, Pinijsuwan S, Boonruang C, Sriwattanapong K, Porntaveetus, **Osathanon T**, Watanabe S, Jongwannasiri C, Manaspon C. Nitrided Ti-6Al-4V: a catalyst for increase mineralization and osteogenic marker expression. J Biomed Mater Res Part A 2025;113(1):e37853.
20. Suwittayarak R, Nowwarote N, Kornsuthisopon C, Sukarawan W, Foster BL, Egusa H, **Osathanon T**. Effects of inorganic phosphate on stem cells isolated from human exfoliated deciduous teeth. Sci Rep 2024;14(1):24282.
21. Chansaenroj J, Suwittayarak R, Egusa H Samanarayake LP, **Osathanon T**. Mechanical force modulates inflammation and immunomodulation in periodontal ligament cells. Medical Review 2024;4(6):544-548.
22. Samaranayake L, Fakhurddin K, Saban N, **Osathanon T**. Dental unit waterlines: disinfection and management. Int Dent J 2024;74:S437-S445.
23. Lumbikanonda S, Pongjantarasatian S, Tikkhanarak K, Trachoo V, Namangkalakul W, **Osathanon T**. Osteogenic induction activity of magnesium chloride on human periodontal ligament stem cells. Int Dent J 2024 Dec 24:S0020-6539(24)01600-9.
24. Kulthanaamondhita P, Kornsuthisopon C, Chansaenroj A, Phattarataratip E, Sappayatosok K, Samaranayake L, **Osathanon T**. Betaine Induces Apoptosis and Inhibits Invasion in OSCC Cell Lines. Int J Mol Sci. 2024 Sep 25;25(19):10295.

25. Chansaenroj J, Kornsuthisopon C, Chansaenroj A, Samaranayake LP, Fan Y, **Osathanon T**. Potential of Dental Pulp Stem Cell Exosomes: Unveiling miRNA-Driven Regenerative Mechanisms. Int Dent J. 2024 Oct 4:S0020-6539(24)01488-6.
26. Soe ZC, Wahyudi R, Mattheos N, Lertpimonchai A, Everts V, Tompkins KA, **Osathanon T**, Limjeerajarus CN, Limjeerajarus N. Application of nanoparticles as surface modifiers of dental implants for revascularization/regeneration of bone. BMC Oral Health. 2024 Oct 4;24(1):1175.
27. Nowwarote N, Chahlaoui Z, Petit S, Duong LT, Dingli F, Loew D, Chansaenroj A, Kornsuthisopon C, **Osathanon T**, Ferre FC, Fournier BPJ. Decellularized extracellular matrix derived from dental pulp stem cells promotes gingival fibroblast adhesion and migration. BMC Oral Health. 2024 Oct 1;24(1):1166.
28. Taephatthanasagon T, Purbantoro SD, Rodprasert W, Pathanachai K, Charoenlertkul P, Mahanonda R, Sa-Ard-Lam N, Kuncorojakti S, Soedarmanto A, Jamilah NS, **Osathanon T**, Sawangmake C, Rattanapuchpong S. Osteogenic potentials in canine mesenchymal stem cells: unraveling the efficacy of polycaprolactone/hydroxyapatite scaffolds in veterinary bone regeneration. BMC Vet Res. 2024 Sep 9;20(1):403.
29. Phatphutthitham C, Niyatiwatchanchai B, Rujiraprasert P, Tagami J, **Osathanon T**, Srijunbarl A, Singthong T, Suriyasangpetch S, Nantanapiboon D. Effect of Grinding and Polishing Protocols on Surface Roughness, Flexural Strength, and Phase Transformation of High-Translucent 5 mol% Yttria-Partially Stabilized Zirconia. Eur J Dent. 2024 Jun 28. doi: 10.1055/s-0044-1787001.
30. Kulthanaamondhita P, Kornsuthisopon C, Chansaenroj A, Trachoo V, Manokawinchoke J, Samaranayake L, Srithanyarat SS, **Osathanon T**. MicroRNA expression in JAG1/Notch-activated periodontal ligament stem cells. BDJ Open. 2024 Jun 5;10(1):45.
31. Pakpahan ND, Kyawsoewin M, Manokawinchoke J, Namangkalakul W, Termkwancharoen C, Egusa H, Limraksasin P, **Osathanon T**. Intermittent compressive force regulates matrix metalloproteinases and tissue inhibitors of metalloproteinases expression in human periodontal ligament cells. Arch Oral Biol. 2024 Sep;165:106011.
32. Pakpahan ND, Kyawsoewin M, Manokawinchoke J, Termkwancharoen C, Egusa H, Limraksasin P, **Osathanon T**. Effects of mechanical loading on matrix homeostasis and differentiation potential of periodontal ligament cells: A scoping review. J Periodontal Res. 2024 May 12. doi: 10.1111/jre.13284.
33. Kornsuthisopon C, Nowwarote N, Chansaenroj A, Photichailert S, Rochanavibhata S, Klincumhom N, Petit S, Dingli F, Loew D, Fournier BPJ, **Osathanon T**. Human dental pulp stem cells derived extracellular matrix promotes mineralization via Hippo and Wnt pathways. Sci Rep. 2024 Mar 21;14(1):6777.
34. Arini APK, Namangkalakul W, Limraksasin P, **Osathanon T**. Effects of lactalbumin enzymatic hydrolysate on human squamous cell carcinoma cells-an *in vitro* study. J Oral Biol Craniofac Res. 2024 Mar-Apr;14(2):222-229.
35. Phothichailert S, Samoun S, Fournier BP, Isaac J, Nelwan SC, **Osathanon T**, Nowwarote N. MSCs-Derived Decellularised Matrix: Cellular Responses and Regenerative Dentistry. Int Dent J. 2024 Jun;74(3):403-417.
36. Bulanawichit W, Sinsareekul C, Kornsuthisopon C, Chansaenroj A, Trachoo V, Nowwarote N, **Osathanon T**. Toll-like receptor and C-type lectin receptor agonists attenuate osteogenic differentiation in human dental pulp stem cells. BMC Oral Health. 2024 Jan 31;24(1):148.
37. Kulthanaamondhita P, Kornsuthisopon C, Chansaenroj A, Suwittayarak R, Trachoo V, Manokawinchoke J, Lee SC, Egusa H, Kim JM, **Osathanon T**. Notch signaling regulates mineralization via microRNA modulation in dental pulp stem cells. Oral Dis. 2024 Jan 19. doi: 10.1111/odi.14868.
38. Rewthamrongsris P, Phothichailert S, Chokechanachaisakul U, Kornsuthisopon C, **Osathanon T**. Simvastatin Induces Apoptosis but Attenuates Migration in SCAPs. Int Dent J. 2024 Apr;74(2):352-358.
39. Lumbikananda S, Srithanyarat SS, Mattheos N, **Osathanon T**. Oral Fluid Biomarkers for Peri-Implantitis: A Scoping Review. Int Dent J. 2023 Dec 7:S0020-6539(23)00970-X. doi: 10.1016/j.identj.2023.11.005.

40. Chansaenroj A, Kornsuthisopon C, Suwittayarak R, Rochanavibhata S, Loi LK, Lin YC, **Osathanon T**. IWP-2 modulates the immunomodulatory properties of human dental pulp stem cells in vitro. Int Endod J. 2024 Feb;57(2):219-236. doi: 10.1111/iej.14001.
41. Kyawsoewin M, Manokawinchoke J, Termkwanchareon C, Egusa H, **Osathanon T**, Limraksasin P. Extracellular adenosine triphosphate regulates inflammatory responses of periodontal ligament cells. J Periodontol. 2023 Nov 6. doi: 10.1002/JPER.23-0389.
42. Rujiraprasert P, Suriyasangpetch S, Srijunbarl A, Singthong T, Makornpan C, Nampuksa K, **Osathanon T**, Nantanapiboon D, Monmaturapoj N. Calcium phosphate ceramic as a model for enamel substitute material in dental applications. BDJ Open. 2023 Sep 3;9(1):25. doi: 10.1038/s41405-023-00152-w.
43. Thamnium S, Laomeephol C, Pavasant P, **Osathanon T**, Tabata Y, Wang C, Luckanagul JA. Osteogenic induction of asiatic acid derivatives in human periodontal ligament stem cells. Sci Rep. 2023 Aug 29;13(1):14102.
44. Achararit P, Manaspon C, Jongwannasiri C, Phattarataratip E**, Osathanon T**, Sappayatosok K. Artificial Intelligence-Based Diagnosis of Oral Lichen Planus Using Deep Convolutional Neural Networks. Eur J Dent. 2023 Jan 20. doi: 10.1055/s-0042-1760300.
45. Duong LT, Petit S, Kerner S, Clerc MM, Arnoult C, Nowwarote N, **Osathanon T,** Fournier BPJ, Isaac J, Ferré FC. Role of periosteum during healing of alveolar critical size bone defects in the mandible: a pilot study. Clin Oral Investig. 2023 Jun 1. doi: 10.1007/s00784-023-05079-y.
46. Rujiraprasert P, Suriyasangpetch S, Srijunbarl A, Singthong T, Makornpan C, Nampuksa K, **Osathanon T, Nantanapiboon D,** Monmaturapoj N. Calcium phosphate ceramic as a model for enamel substitute materials in dental application. BDJ Open 2023. (In Press)
47. Na Nan D, Klincumhom N, Trachoo V, Everts V, Ferreira JN, **Osathanon T,** Pavasant P. Periostin-integrin interaction regulates force-induced TGF-β1 and αSMA expression by hPDLSCs. Oral Dis. 2023 Jul 19. doi: 10.1111/odi.14691.
48. Wahyudi R, Seang S, Everts V, **Osathanon T**, Limjeerajarus CN. Anti-inflammatory effects of the prostacyclin analogue iloprost in an in vitro model of inflamed human dental pulp cells. Aust Endod J. 2023 Feb 1. doi: 10.1111/aej.12736.
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