

## Lect. Dr. Sivaporn Horsophonphong

Title Name	Mr. / Mrs. / <u>Miss</u>
Name	Sivaporn Horsophonphong
Academic position	Lecturer
Faculty/Institute/College	Department of Pediatric Dentistry Faculty of Dentistry Mahidol University
Address	Tel. 02 – 200 -7821 E-mail: sivapornhorsophon@gmail.com

### Academic Qualifications

Degree	Degree Name	Institute	Year
Ph.D.	Oral Biology	Mahidol University	2019
M.Sc.	Pediatric Dentistry	Mahidol University	2012
D.D.S.	-	Srinakharinwirot University	2008

### Professional Qualifications

Degree	Degree Name	Institute	Year
-	-	-	-

### Interesting Research Topics or Specialties

1. Molecular Biology
2. Tissue regeneration
3. Pulp Biology Dental caries prevention

## Research Experiences /Publications:

1. **Horsophonphong S**, Chestsuttayangkul Y, Surarit R, Lertsooksawat W. Efficacy of extraoral suction devices in aerosol and splatter reduction during ultrasonic scaling: A laboratory investigation. *J Dent Res Dent Clin Dent Prospects*. 2021;15(3):197-202.
2. **Horsophonphong S**, Sritanaudomchai H, Nakornchai S, Kitkumthorn N, Surarit R. Odontogenic gene expression profile of human dental pulp-derived cells under high glucose influence: a microarray analysis *J Appl Oral Sci*. 2021;29: e20201074.
3. **Horsophonphong S**, Srecia A, Cristiane M. Franca, Tahayeri A, Ashok P. Reddy, Phillip A. Wilmarth, Surarit R, Anthony J. Smith, Jack L. Feracene, Luiz E. Bertassoni. Equivalence of human and bovine dentin matrix molecules for dental pulp regeneration: proteomic analysis and biological function. *Archives of Oral Biology*.2020; 119/10488:1-9.
4. Subbiah R, Hipfinger C, Tahayeri A, Athirasala A, **Horsophonphong S**, Thrivikraman G, Cristiane Miranda Franca, Diana Araujo Cunha, Mansoorifar A, Zahariev A, James M. Jones, Paulo G. Coelho, Lukasz Witek, Hua Xie, Robert E. Guldborg, and Luiz E. Bertassoni. 3D Printing of Microgel-Loaded Modular Microcages as Instructive Scaffolds for Tissue Engineering. *Advanced Materials*. 2020; 2001736:1-7.
5. **Horsophonphong S**, Kitkumthorn N, Sritanaudomchai H, Nakornchai S, Surarit R. High Glucose Affects Proliferation, Reactive Oxygen Species and Mineralization of human Dental Pulp cells. *Brazilian Dental Journal*.2020; 31(3):298-303.
6. **Horsophonphong S**, Sercia A, Franca C, Tahayeri A, Ferreacane J, Bertassoni L. Comparison of human and bovine dentin matrix molecules for pulp regeneration: proteomic analysis and biological function. *Pulp Biology and Regeneration Group Satellite Meeting, 23-25 June, 2019, Portland, OR, USA*.
7. **Horsophonphong S**, Franca C, Tahayeri A, Rodrigues N, Athirasala A, Patel S, et al. Nanoscale-delivery of mRNA-nanoparticles through dentin for next-generation of dental-pulp therapeutics. *IADR General Session, June 19-22 June, 2019, Vancouver, BC, Canada*.
8. Nakornchai S, **Horsophonphong S**, Sanguansin S, Surarit R. Estimation of cretinism in infants and toddlers after brushing with fluoride toothpaste. *Southeast Asian J Trop Med Public Health*. 2018; 49(5):909-15
9. **Horsophonphong S**, Kitkumthorn N, Sritanaudomchai H, Nakornchai S, Surarit R. Effect of high glucose on oxidative stress in human dental-pulp-fibroblasts 2018 IADR/PER General Session (London, England).