

Curriculum Vitae

PERSONAL INFORMATION

Applicant Name: Jing Zou

Gender: Female

Nationality: China

Date of Birth: 03/30/1970

Address: Dept. of Pediatric Dentistry

West China School of Stomatology, Sichuan University.

No.14, 3 Section of Renmin Nan Road, Chengdu, China, 610041.

Telephone: +86-18602899366 (Mobile phone)

+86-28-85503644 (office)

E-mail: dentistzoujing@163.com. zoujing@scu.edu.cn

ACADEMIC EXPERIENCE

- Ph. D degree in Dentistry. West China School of Stomatology, Sichuan University. 2003
- Major: Cariology
- Doctoral Dissertation:
Dynamic study on the oral microflora early colonized in neonates and infants
- Master degree on Cariology in Dentistry. West China College of Stomatology, West China University of Medical Sciences. 1996
- Bachelor's degree in Dentistry. West China College of Stomatology, West China University of Medical Sciences. 1993

WORKING EXPERIENCE

- Lecturer at West China School of Stomatology since 1998
- Associate Professor at West China School of Stomatology since 2003
- Professor and Chair of Department of Pediatric Dentistry, West China School/Hospital of Stomatology, Sichuan University, China, since 2010

- Visiting scholar in Dept. of Pediatric Dentistry, University of Alabama in Birmingham from Nov 2011 to Nov 2012 in US

PROFESSIONAL MEMBERSHIPS

- Member of International Association of Dental Research
- National member of International association of Pediatric Dentistry
- Vice-president of Committee of Pediatric Dentistry, Chinese Stomatological Association since 2008
- Successor- president of Committee of Pediatric Dentistry, Chinese Stomatological Association since 2017
- Chair of Committee of Pediatric Dentistry, Sichuan Stomatological Association since 2012
- Member of Global Child Dental Health Taskforce-China
- Fellowship of International Academy of Dentistry, ICD China Section

Grants funded

- Study of early establishment of microflora in oral cavity of neonates and infants. The National Natural Science Fund. 2000-2003
- Study of cariogenic microflora in oral cavity of children with early childhood caries. Research Fund for Young of Sichuan University. 2005-2006
- Transmission way of oral *Streptococcus Mutans* in young children. Sichuan Science Fund. 2006-2008
- Effects of one caries-preventive rinse on *Streptococcus Mutans* in plaque and saliva of children. International Cooperation project with UCLA. 2010-2012
- Detection of salivary biomarkers for early childhood caries. National Natural Science Foundation of China. 2014-2016
- Pathogenic mechanisms of oral microbiome with *Streptococcus mutans* as the keystone core microorganism in ECC. International Cooperation project with UAB, Dr. Wu Lab. 2019-2021

CONFERENCE ADDRESS

- Analysis of oral microflora early colonized in Chinese infants. The 82nd IADR General

Session & Exhibition conference. Hawaii 2004

- Horizontal transmission study of mutans streptococci in children. The 6th IADR Chinese Division. Shanghai. 2005
- Study of the horizontal transmission of oral mutans streptococci in children. The 20th international congress of IAPD. Sydney.2005
- FDI Annual World Dental Conference. Shenzhen.2006
- The 20th international congress of IAPD. Hongkong.2007
- Genotypic distribution of *Candida albicans* isolated from the oral cavity of children with ECC. The 6th National Conference of Chinese Association of Pediatric Dentistry. Haerbin. 2008
- Relationship between dental caries of children and bifidobacteria in their cavity. The 3rd National Conference of Endodontics. Chongqing. 2009
- Relationship between parents' oral health KAP and children's dental behavior. The 88th IADR General Session & Exhibition conference. Spain. 2010
- The 24th international congress of IAPD. Seoul Korea.2013
- China regional meeting of IAPD. Beijing China. 2014
- 9th Biennial Conference of Pediatric Dentistry Association of Asia (PDAA). Singapore 2014
- Prevalence and distribution of hypodontia and associated dental anomalies of mixed dentition in Chinese children. Glasgow UK, 2015
- Behavior management for children in pediatric dental clinic. Chengdu, 2016
- Management of early childhood caries. World Dental Congress, Madrid, Spain, 2017
- Application of painless techniques in pediatric dental clinic. Den Tech China. Shanghai, China, 2017
- Mother far from dental disease, giving birth to healthy baby. Dental South China International Expo. Guangzhou, China. 2018
- Caries management in full life cycle. 2018 Silk Road International Forum on Stomatology. Xi'an, China. 2018
- Oral health status and prevention and treatment techniques and strategies for young children in China, Beijing, China, 2018
- Painless treatment techniques for young children and risks prevention and control in treatment procedure. Sino-Dental Beijing, China. 2019

- Vital pulp therapy on primary tooth. Dental Show West China. Chengdu, China.2019

PUBLICATIONS:

1. Zonglian Luo, **Jing Zou**, Jingyi Zhang. The effects of the antibody against to surface protein P-1 of S.Mutans on adherence to S-HA by Streptococcus Mutans group. Chinese Journal of Conservative Dentistry. 1997, 7(4): 217-220.
2. Zonglian Luo, **Jing Zou**, Xuedong Zhou. Effects of saliva pellical including anti-P-1 antibody upon streptococcal adherence. Journal of Comprehensive Stomatology. 1997,13(2):70-72
3. **Jing Zou**, Zonglian Luo, Xuedong Zhou., et al. Effects of Different Dilution of Specific Antibodies Against the Cell Surface Protein P1 of S.mutans MT 6R upon its Adherence. West China Journal of Stomatology 1997, 15(4): 338-340
4. **Jing Zou**, Shaomin Li. Socioeconomic characteristics and caries of deciduous teeth in pre school children. Journal of Modern Stomatology. 1999,13(3):190-191
5. **Jing Zou**, Shaomin Li, Yi Liu. The pattern of infant feeding and caries of deciduous teeth in pre school children. Journal of Comprehensive Stomatology. 1999,15(2): 87-88
6. Shaomin Li, **Jing Zou**, Pei Tang. Relationship between the oral hygiene of children and careis. Chinese Journal of Conservative Dentistry. 1999, 9(1):78-79
7. **Jing Zou**, Shaomin Li, Weixin Wang. Study on the Relationship between Deciduous Tooth Caries in Pre-school Children and Their Neonatal Conditions. West China Journal of Stomatology.2001,19(5): 328- 329
8. **Jing Zou**, Xuedong Zhou, Xiaorong Xiao. The development of normal microbiota in oral cavity of healthy neonates. Journal of West China university of Medical Sciences.2002;33(4):563-566
9. **Jing Zou**, Shaomin Li. Quantitative assay of initial demineralization on the first permanent molar in the different caries-susceptible children. Journal of Comprehensive Stomatology. 2002,18(1):23-24
10. **Jing Zou**, Xuedong Zhou. Biological study of the effects of saliva on the caries susceptibility of host. Journal of Clinical Stomatology. 2002; 18(2): 150-151
11. **Jing Zou**, Xuedong Zhou, Xiaorong Xiao. The study of early establishment of microflora in oral cavity of neonates. Chinese Journal of Microecology. 2003,15(1):47-50

12. **Jing Zou**, Xuedong Zhou, Shaomin Li. et al. Dynamic study of oral microflora before eruption of tooth. *Chinese Journal of Stomatology*. 2003;38(4):318
13. Li SM, **Zou J**, Wang Z, Wright J, et al. Quantitative assessment of enamel hypomineralization by KaVo DIAGNOdent at different sites on first permanent molars of children in China. *Pediatric Dentistry* 2003,25(5):485-490
14. **J. ZOU**, XD.ZHOU. Analysis of oral microflora early colonized in infants. *Journal of Dental Research*. 2004,83(Special IssueA):108
15. **Jing Zou**, Xuedong Zhou, Shaomin Li. Analysis of Oral Microflora Early Colonized in Infants. *West China Journal of Stomatology*. 2004, 22(2): 126-128
16. **Jing Zou**, Ran Shang, Xuedong Zhou. Study of the horizontal transmission of oral mutans streptococci in children. *West China Journal of Stomatology*. 2005;23(5):388-392
17. Yuan Liu, **Jing Zou**, Xuedong Zhou. Effects of different beverages on plaque pH of different caries-sensitive children. *West China Journal of Stomatology*. 2006, 24(5): 415-418
18. Ran Shang, **Jing Zou**, Xuedong Zhou. Study on the Horizontal Transmission of Oral Streptococcus mutans in Day- nursery Children. *West China Journal of Stomatology*. 2006, 24(6): 527- 529
19. Jing Zou, Ran Shang, Xuedong Zhou. Transmission way of oral Streptococcus Mutans in children. *Chinese Journal of Stomatology*. 2006 ,41(5):269-271
20. Y.LIU, **J.ZOU**, R. SHANG and XD.ZHOU. Genotypic diversity of streptococcus mutans in 3- to 4-year-old Chinese nursery children suggests horizontal transmission. *Archives of Oral Biology*. 2007, 52(9):876-88
21. Ran Yang, **Jing Zou**, Jiyao Li. Study of the relationship between oral Actinomyces and childhood caries. *West China Journal of Stomatology*. 2007, 25(6):568-570
22. Liying Lu, **Jing Zou**. Relationship between Saccharomyces albicans and caries. *International Journal of Stomatology*. 2008, 35(1): 97-99
23. Jingjing Zhai, **Jing Zou**. The relationship between the dental caries of children and bifidobacteria in their cavity. *Journal of Modern Stomatology*. 2009,23(1):88-90
24. Yang Li, Ye Zhang, **Jing Zou**, etc. Associations of social and behavioural factors with early childhood caries in Xiamen city in China. *International J of Pediatric Dent*. 2011, 21(2):103-111

25. Zhang Q, **Zou J***, Yang R, Zhou X. Remineralization effects of casein phosphopeptide-amorphous calcium phosphate crème on artificial early enamel lesions of primary teeth. *International Journal of Pediatric Dentistry*. 2011. 21(5): 374-381
26. Xiao Qiong Yang, Qiong Zhang, Li Ying Lu, Ran Yang, Yuan Liu, Jing Zou*. Genotypic distribution of *Candida albicans* in dental biofilm of Chinese children associated with severe early childhood caries. *Archives of Oral Biology*. 2012, 57(8): 1048-1053
27. Ran Yang, Chan Yang, Yuan Liu, **Jing Zou**. Evaluate root and canal morphology of primary mandibular second molars in Chinese individuals by using cone-beam computed tomography. *Journal of the Formosan Medical Association*. 2013:112(7):390-395
28. Du Qing, **Zou Jing**, Zhou Xuedong. The Genetic Profiling of the Oral Microbiota in Twins of Primary Dentition. *J PURE APPL MICROBIO*.2013 Aug;7(3):2043-47
29. Wang Yan, Xue Jing, Zhou Xuedong, You Meng, Du Qin, Yang Xue, He Jingzhi, **Zou Jing**, Cheng Lei, Li Mingyun, Li Yuqing, Zhu Yiping, Li Jiyao, Shi Wenyuan, *Xu Xin. Oral Microbiota Distinguishes Acute Lymphoblastic Leukemia Pediatric Hosts from Healthy Populations. *PLoS One*, 9(10)2014:1-8
30. Zhang Q, Nguyen T, McMichael M, Velu SE, **Zou J**, Zhou X, Wu H. New small-molecule inhibitors of dihydrofolate reductase inhibit *Streptococcus mutans*. *Int J Antimicrob Agents*.46 (2015):174-182.
31. Ling Yuqi, Zhang Qiong, **Zou Jing** Investigation of teeth number and morphology abnormalities in children at the mixed dentition stage. *West China Journal of Stomatology* . 33(6): 597-601. 2015
32. Lulu Chen, Zhi Ren, Xuedong Zhou, Jumei Zeng, **Jing Zou**, Yuqing Li. Inhibition of *Streptococcus mutans* biofilm formation, extracellular polysaccharide production, and virulence by an oxazole derivative. *Applied Microbiology and Biotechnology*, 2016,100 (2), 857-867
33. Du Qin, **Jing Zou**, Yuqing Li, et al. The colonization of oral bacteria in healthy children. *International J of Stomatology*. 2016. 43(1):57-61
34. Zou Jing, Qin Man, Wang Jun, Huang Hua, Lin Juhong, Zhou Xuedong. Common dental diseases in children and malocclusion. 2016.43(6):619-623
35. Abdullah S Hemadi, Ruijie Huang, Yuan Zhou and **Jing Zou**. Salivary proteins and microbiota as biomarkers for early childhood caries risk assessment. *International J of Oral*

- Science. 2017. 1-8.
36. Jing Chen, Tiancheng Li, Xuedong Zhou, Lei Cheng, Yuanyuan Huo, **Jing Zou**, Yuqing Li. Characterization of the clustered regularly interspaced short palindromic repeats sites in *Streptococcus mutans* isolated from early childhood caries patients. *Archives of Oral Biology*. 2017, 83(3):174-180
 37. **Jing Zou**, Mingmei Meng, Clarice S Law, Yale Rao and Xuedong Zhou. Common dental diseases in children and malocclusion. *International J of Oral Science*. 2018,10 (7): 1-6
 38. Meng M., Lv C, Yang Q, He S, Wu S., Liu Y., **Zou J.**, Zhou X., Chen S. Expression of proteins of elastic fibers and collagen type I in orthodontically rotated teeth in rats. *Am J Orthod. Dentofacial Orthop*. 2018, 154(2):249-259
 39. Lulu Chen, Xin Li, Xuedong Zhou, Jumei Zeng, Zhi Ren, Lei Lei, Di Kang, Keke Zhang, **Jing Zou**, Yuqing Li. Inhibition of *Enterococcus faecalis* Growth and Biofilm Formation by Molecule Targeting Cyclic di-AMP Synthetase Activity. *JOE* 2018, 44(9):1381-1388
 40. Qiong Zhang, Lei Cheng, Xuedong Zhou, **Jing Zou***, Hui Wu. Small molecule inhibitors for *Streptococcus mutans* biofilm. *Current Organic Chemistry*. 2018.22 (27) , 2662-2670
 41. Yandi Chen, Yuqing Li, **Jing Zou**. Intrageneric and intergeneric interactions developed by oral streptococci: Pivotal role in the pathogenesis of oral diseases. *Curr. Issue Mol. Biol*. 32(2019):377-434
 42. Chen L, Chakraborty B, Zou J, Burne RA, Zeng L. Amino Sugars Modify Antagonistic Interactions between Commensal Oral Streptococci and *Streptococcus mutans*. *Appl Environ Microbiol*. 2019 May 2;85(10)