

Name: Du Je-Kang
E-mail: dujekang@gmail.com
Tel: 07 3121101 ext. 7003



Education

PhD 2008-2017 School of Dentistry, Kaohsiung Medical University
MDS 2001-2004 School of Dentistry, Kaohsiung Medical University
DDS 1990-1996 School of Dentistry, Kaohsiung Medical University

Current position and relevant experience

2017-date Chairman, department of Dentistry, Kaohsiung Medical University Hospital
2016-date Associate Professor, School of Dentistry, College of Dental Medicine Kaohsiung Medical University
2002-date Visiting Staff, Division of Prosthodontics, Department of Dentistry, Kaohsiung Medical University Hospital
2011-2016 Assistant Professor, School of Dentistry, College of Dental Medicine Kaohsiung Medical University
2015.~2016 Head, Division of Prosthodontics, department of Dentistry, Kaohsiung
2018~2019 Medical University Hospital

Specialty

1. Biomechanics,
2. Family dentistry,
3. Prosthodontic dentistry,
4. Oral implantology,
5. Gerodontology,
6. Dental Materials,
7. Sleep Medicine

References

1. Chen-Yi Lee, Ju-Hui Wu, **Je-Kang Du*** Work stress and occupational burnout among dental staff in a medical center. Journal of Dental Sciences,

<https://doi.org/10.1016/j.jds.2019.01.006>

2. **Je-Kang Du**, Chih-Yeh Chao, Kuan-Yu Chiu, Yen-Hao Chang, Ker-Kong Chen*, Ju-Hui Wu* and Juyn-Nan Wu Antibacterial Properties and Corrosion Resistance of the Newly Developed Biomaterial, Ti-12Nb-1Ag Alloy, *Metals*, 2017;7(566); 1-12.
3. H.L. Chu, W.S. Hwang, **J.K. Du**, K.K. Chen*, M.C. Wang* Crystallization behavior of ZrO₂ single bond 3Y₂O₃ single bond X-SrO precursor powders synthesized by a coprecipitation process. *Journal of Alloys and Compounds*, 2016;678:518-526.
4. Yu-Chuan Tseng, Chun-Chan Ting, **Je-Kang Du**, Chun-Ming Chen Ju-Hui Wu, Hong-Sen Chen Insertion torque, resonance frequency, and removal torque analysis of microimplants. *The Kaohsiung Journal of Medical Sciences*, 2016; 32(9);469-474.
5. Chau-Hsiang Wang, **Je-Kang Du**, Hung-Yuan Li, Hung-Chih Chang, Ker-Kong Chen* Factorial analysis of variables influencing mechanical characteristics of a post used to restore A root filled premolar using the finite element stress analysis combined with the Taguchi method. *International Endodontic Journal*, 2016;49(7):690-9.
6. H.L. Chu, W.S. Hwang, **J.K. Du**, K.K. Chen*, M.C. Wang* Effect of SrO addition on the growth behavior of ZrO₂-3Y₂O₃ precursor powders synthesized by a coprecipitation process. *Ceramics International*, 2016;42;10251-10258.
7. Ker-Kong Chen, Chau-Hsiang Wang, Shin-I Wei, **Je-Kang Du***. Effect of different acidities of electrolyzed water on dentin surface roughness, decalcification and microhardness -a preliminary study.. *Dental Materials Journal* 2016;35(5): 803-809.
8. Ker-Kong Chen, Chau-Hsiang Wang, Chun-Chan Ting, **Je-Kang Du*** Bonding performance of a temporary tooth coating material to enamel. *Journal of Adhesion Science and Technology* 2016;30(20);2277-2288.
9. **Je-Kang Du** , Chih-Yeh Chao , Yu-Ting Jhong , Chung-Hao Wu , Ju-Hui Wu* Effects of Cr₂N Precipitation on the Antibacterial Properties of AISI 430 Stainless Steel. *Metals* 2016;6(4);73-81.
9. Pei-Chen Lu, Ju-Hui Wu, Chun-Ming Chen and Je-Kang Du* Arsenic Trioxide-Induced Mandibular Osteomyelitis, *JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY* 2015;73:9-1761-1765.
10. Yea-Yin Yen, Huey-Er Lee, Yi-Min Wu, Shou-Jen Lan, Wen-Chen Wang, Je-Kang Du, Shun-Te Huang, Kun-Jung Hsu* Impact of removable dentures on oral health-related quality of life among elderly, *BMC Oral Health* 2015;15:1-1-12
11. Yi-Hui Chen, Chi-Cheng Tsai, **Je-Kang Du**, Kai-Fang Hu, Ya-Ping Ho, Kun-Yen Ho, Yu-

- Hsiang Chou* An Interdisciplinary Treatment that Combines Non-Surgical Periodontal Treatment with Prosthetic Reconstruction: A Case Report and Literature Review. Journal of the Taiwan Academy of Periodontology 2015;20(4); 341-350.
12. Tzu-Hsuan Yang, Yu-Chuan Tseng, **Je-Kang Du**, Hsun-Yi Wang, Yu-Min Cheng, Kai-Fang Hu, Po-Sung Fu, Kun-Yen Ho¹, Yu-Hsiang Chou* Interdisciplinary Treatment Approach That Combines GTR with Orthodontic Treatment During Full Mouth Rehabilitation: A Case Report . 臺灣牙周病醫學會雜誌, 2014(4), 324-337.
13. **Je-Kang Du**, Chau-Hsiang Wang, Kuo-Chiang Wang, Ker-Kong Chen. TEM analysis of 2205 duplex stainless steel to determine orientation relationship between $M_{23}C_6$ carbide and austenite matrix at 950°C. Intermetallics 2014;45; 80-83.
14. Yu-Hsiang Chou, **Je-Kang Du**, Szu-Ting Chou, Kai-Fang Hu, Chi-Cheng Tsai, Kun-Yen Ho, Yi-Min Wu, Ya-Ping Ho. An interdisciplinary treatment approach combining orthodontic forced eruption with immediate implant placement to achieve a satisfactory treatment outcome: A Case Report. Clinical Implant Dentistry and Related Research , 2013;15(1):113-20.
15. Chau-Hsiang Wang, Ju-hui Wu, Hung-Yuan Li, Ping-Ping Wang, Huey-Er Lee, **Je-Kang Du*** Fracture resistance of different metal substructure designs for implant-supported porcelain-fused-to-metal (PFM) crowns. J of Dental Sciences. 2013;8(3);314-20.
16. Chau-Hsiang Wang, Moo-Chin Wang, **Je-Kang Du**, Yu-You Sie, Chi-Shiung Hsi, Huey -Er Lee Phase transformation and nanocrystallite growth behavior of 2 mol% yttria-partially stabilized zirconia (2Y-PSZ) powders. Ceramics International 2013; 39;5165–5174.

研究計劃(請更新至2019)

序號	計畫名稱	補助或委託機構	執行期限	執行情形	經費總額	計畫內擔任的工作
1	新開發可降解鎂合金網應用於齒槽骨重建手術之研究 (107-2314-B-037-46-)	科技部	2018/08/01 ~ 2019/07/31	執行中	910,000	主持人
2	新開發可降解鎂合金網應用於齒槽骨重建手術之研究 (KMUH107-7R76)	高雄醫學大學附設中和紀念醫院	2018/01/01 ~ 2018/12/31	執行中	250,000	主持人

3	含銀 316L 與 X30 不銹鋼塊材於牙科矯正器材之研究(獎勵型)(KMUH106-6R73)	高雄醫學大學附設中和紀念醫院	2018/01/01 ~ 2018/12/31	已結案	200,000	主持人
4	建置牙醫醫院之先驅評估計畫	衛福部	2017/12/25 ~ 2018/12/24	已結案	19,000,000	協同主持人
5	精準數位牙科醫療中心暨產品體驗診線整合性解決方案	醫策會	2017/08/01 ~ 2017/10/31	已結案	1,400,000	主持人
6	牙科醫療人員工作壓力、職業倦怠與生活品質之探討-以南部某醫學中心為例	中華牙醫學會	2017/08/01 ~ 2017/12/31	已結案	100,000	主持人
7	含銀 316L 與 X30 不銹鋼塊材於牙科矯正器材之研究(106-2314-B-037-013-)	科技部	2017/08/01 ~ 2018/07/31	已結案	798,000	主持人
8	鈦-(10~30)鈮-(0~3)銀合金抗菌性質研究及牙科器材之整合性應用研究(104-2314-B-037-057-MY2)	科技部	2015/08/01 ~ 2017/07/31	已結案	2,140,000	主持人
9	鈦-(10~30)鈮-(0~3)銀合金抗菌性質研究及牙科器材之整合性應用研究(5R-63)	高雄醫學大學附設中和紀念醫院	2017/01/01 ~ 2017/12/31	已結案	250,000	主持人
10	不同材質的牙冠其電位特性與腐蝕現象之關(105-2314-B-037-032-)	科技部	2016/08/01 ~ 2017/07/31	已結案	910,000	共同主持人
11	銀髮族牙科雲端照護模式之建立(105-2410-H-37-013-)	科技部	2016/08/01 ~ 2017/07/31	已結案	470,500	共同主持人
12	鈦-x 鋳合金顯微結構與生醫性質之相關性研(105-2314-B-037-034-)	科技部	2016/08/01 ~ 2017/07/31	已結案	970,000	共同主持人