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Courses Taught : Ultrasound, Applied Calculus, Physics
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Research Interests : 1. The application of Ultrasound. 2. Tissue Engineering in Nerve Regeneration and Dental Inplamt. 3. Dental Implant
Representative Publication in 5 Years : 1. Chen-Jung Chang , Shan-hui Hsu, The effect of high outflow permeability in asymmetric poly(DL-lactic acid-co-glycolic acid) conduits for peripheral nerve regeneration, <i>Biomaterials</i> , 27: 1035–1042, 2006. (SCI Impact Factor 3.799; 2/42=4.76%). 2. Chen-Jung Chang , Pen-Li Liao, Shan-hui Hsu, Han Chang, Chao-Sheng Chang, Low-intensity ultrasound accelerated nerve regeneration using cells-seeded poly(DL-lactic acid-co-glycolic acid) conduits : An in-vivo and in-vitro study, <i>Journal of Biomedical Materials Research</i> , 75 (1): 99-107, 2005. (SCI Impact Factor 3.652; 3/42=7.14%). 3. Chen-Jung Chang , Shan-Hui Hsu, The effects of low-intensity ultrasound on peripheral nerve regeneration in poly(DL-lactic acid-co-glycolic acid) conduits seeded with Schwann cells, <i>Ultrasound in Medicine & Biology</i> . 30: 1079-1084, 2004. (SCI Impact Factor 2.033; 1/28=3.57%). 4. Shan-Hui Hsu, Chen-Jung Chang , Chung-Ming Tang and Fang-Tsun Lin, In vitro and in vivo effects of Ginkgo biloba extract EGb 761 on seeded Schwann cells within poly(DL-lactic acid-co-glycolic acid) conduits for peripheral nerve regeneration, <i>Journal of Biomaterials Applications</i> . 19: 163 - 182. 2004. (SCI Impact Factor 0.951; 34/42=80.9%). 5. Chun-Hsu Yao, Bai-Shuan Liu, Chen-Jung Chang , Shan-Hui Hsu, Preparation of networks of gelatin and genipin as degradable biomaterials. <i>Materials Chemistry and Physics</i> . 67(4):1163-1169, 2003. (SCI Impact Factor 1.113; 66/177=37.2%) 6. Chun-Hsu Yao, Chin-Chuan Tsai, Yueh-Sheng Chen, Chen-Jung Chang , Bai-Shuan Liu, The fabrication and evaluation of a new composite composed with DP-Bioglass, gelatin and chin-li-saan as a bone substitute. <i>The American Journal of Chinese Medicine</i> , 30(4):471-482, 2002. (SCI Impact Factor 0.593; 67/103=65%)

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8. Wen-Tao Huang, **Chen-Jung Chang**, C. Cheng, Preparation and Biodistribution of Technetium-99m Labeled with N2O2 Schiff-Base Ligands., Journal of Health Science. Vol.6, 1-11, 2004.
9. Chen Chao, Deng-Feng Lin, Chen-Chu Chang, **Chen-Jung Chang**, Song-Shei Lin, Ming-Ming Wu, Yeu-Sheng Tyan, The evaluation of indirect computered tomographic venography for the diagnosis of deep venous thrombosis, Chinese Journal of Radiologic Technology. 27:107-116, 2003.
10. Wen-Tao Huang, **Chen-Jung Chang**, Hsueh-Hua Yao, Bor-Hann Chen, Molecular Structure of (Dinitro-O,O') (C-meso-5,7,12,14-tetramethyl-1,4,8,11-teraazacyclotetradecane-N,N','',N''') copper(II), Journal of Yuanpei University of Science and Technology, 9;1-8, 2002.
11. Chih Wei Chou, Shan-hui Hsu, Te-Hsing Wu , Chia-Chieh Chen , **Chen-Jung Chang**, Preparation and properties of poly (acrylic acid)–clay nanocomposites hydrogel, MACRO, 40th IUPAC World Polymer Congress, Paris, France, July 4-9, 2004
12. **Chen-Jung Chang**, Chen-Ming Tang, Chun-yu Chen, Shan-hui Hsu, Evaluation of Tissue Engineering Conduits with Ginkgo biloba Extract(EGb761) for Peripheral Nerve Regeneration, 第六屆工程科技與中西醫學應用研討會,2003
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21. Bai-Shuan Liu, **Chen-Jung Chang**, Chun-Hsu Yao.Osteogenic evaluation of GTG composite with fetal rat calvarial culture model , 中日生醫材料及藥物制放研討會, 2001.