

	Name	Chi-Hsiung Jou
	Title	Associate Professor
	Profession Field	Biomaterials, Polymer Engineering, Textiles Testing
	Telephone	(02)77380145 ext. 3224
	E-mail	fc015@mail.oit.edu.tw
	Lab	Biomaterial Lab (Room 60211)
	Courses	Foundations of Materials Science Engineering of Materials Processing Experiment of Materials Science Dyeing Engineering Practicum in Dyeing Engineering Biomaterials Seminar (Mater Class) Medical Engineering Materials (Mater Class)
Education	Ph.D. Dept. of Polymer Engineering National Taiwan University of Science and Technology	

## Publications

1. Chien-Hsin Chen, Ming-Chien Yang, Da-Guang Yu, **Chi-Hsiung Jou**, 2018/4, Effect of immobilization of poly( $\gamma$ -glutamic acid) on the biocompatibility of electrospun poly (L-lactide) mats, *J. Polym. Res.*, **25**, 92.
2. Hsun-Tsing Lee, Chi-Hui Tsou, **Chi-Hsiung Jou**, Fu-Chang Huang, Meng-Ling Wang, Maw-Cherng Suen, 2014/11, The effects of silver nitrate on the structure and properties of polyurethanes containing pyridyl units, *Polym Bull*, **71**, 2749–2767.
3. **Chi-Hsiung Jou\***, Ming-Chien Yang, Maw-Cherng Suen, Chien-Kuo Yen, Chia-Chun Hung, Mou-Chuan Hwang, 2103/03, Preparation of O-diallylammonium chitosan with antibacterial activity and cytocompatibility, *Polym. Int.*, **62**, 507-514.
4. Chun-Wei Yeh, Wen-Jung Chang, Maw-Cherng Suen, **Chi-Hsiung Jou**, Ju- Chun Wang, 2012/12 Silver(I) supramolecular complexes generated from polydentate ligands containing cyano and pyridyl groups, *New. J. Chem.*, **36**, 2520-2532.
5. Chun-Wei Yeh, **Chi-Hsiung Jou**, Chi-Hui Tsou, Maw-Cherng Suen, 2012/09, Poly[[ $\mu$ -(3-aminopyridine)- $\kappa$ 2N:N- $\mu$ -chlorido-chlorido(N,N-dimethylformamide- $\kappa$ O)nickel(II)]N,N-dimethylformamide monosolvate], *Acta. Cryst. E.*, **68**, m1204-1205.

6. Yang-Wei Wang, **Chi-Hsiung Jou**, Chia-Chun Hung, Ming-Chien Yang, 2012/02, Cellular fusion and whitening effect of a chitosan derivative coated liposome, *Colloids. Surface. B.*, **90**, 169-176.
7. Yang-Wei Wang, **Chi-Hsiung Jou**, Ming-Chien Yang. 2012/01, Effect of quaternized chitosan on the fusion efficiency and cytocompatibility of liposomes. *J. Polym. Res.*, **19**, 9755.
8. **Chi-Hsiung Jou\***, 2011/11, Antibacterial activity and cytocompatibility of chitosan-N-hydroxy-2,3-propyl-N methyl- N, N-diallylammonium methyl sulfate, *Colloid. Surface B.*, **88**, 448-454.
9. Maw-Cheng Suen, Chun-Wei Yeh, **Chi-Hsiung Jou**, 2011/08, catena-Poly **【** ( $\mu$ -2-amino-1,3,4-thia-diazole- $k^2N^3:N^4$ )di- $\mu$ -chlorido-cadmium **】** , *Acta. Cryst. E.*, **67**, m1082.
10. **Chi-Hsiung Jou**, Wei-Chun Chen, Ming-Chien Yang, Mou-Chen Hwang, Wen-Li Chou, Shang-Ming Lin Cheng-Yi Hsu, 2008/05, *In vitro* biocompatibility of three dimensional chitosan scaffolds immobilized with chondroitin-6-sulfate, *Polym. Adv. Tech.*, **19**, 377-384.
11. Wen-Li Chou, Da-Guang Yu, Ming-Chien Yang, **Chi-Hsiung Jou**, 2007/11, Effect of molecular weight and concentration of PEG additives on morphology and permeation performance of cellulose acetate hollow fibers, *Sep. Purif. Technol.*, **57**, 209-219.
12. **Chi-Hsiung Jou**, Ling Yuan, Shang-Ming Lin, Mou-Chuan Hwang, Wen-Li Chou, Da-Guang Yu and Ming-Chien Yang, 2007/04, Biocompatibility and Antibacterial Activity of Chitosan and Hyaluronic Acid Immobilized on Polyester Fibers, *J. Appl. Polym. Sci.*, **104**, 220-225.
13. **Chi-Hsiung Jou**, Shang-Ming Lin, Ling Yuan, Mou-Chuan Hwang, Da-Guang Yu, Wen-Li Chou, Jui-Sheng Lee and Ming-Chien Yang, 2007/03, Biofunctional Properties of Polyester Fibers Grafted with Chitosan and Collagen, *Polym. Adv. Tech.*, **18**, 235-239.
14. Da-Guang Yu, **Chi-Hsiung Jou**, Wen-Ching Lin and Ming-Chien Yang, 2007/02, Surface Modification of Poly(tetramethylene adipate-co-terephthalate) Membrane via Layer-by-Layer Assembly of Chitosan and Dextran Sulfate Polyelectrolyte Multilayer, *Colloids. Surf. B.*, **54**, 222-229.