

國立東華大學教師個人基本資料表

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學歷/畢業：凱斯西儲大學 (Case Western Reserve Univ.) (1996)

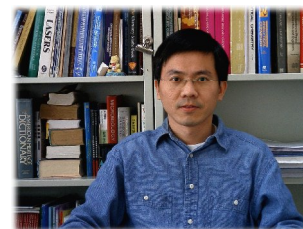
現職/起迄：東華大學化學系教授 (2007.08 迄今)

到任年月份(東華)：1999.8

研究領域：質譜分析，生化分析

何彥鵬

Yen-Peng Ho



研究

近五年研究成果 (2011.8~2017.7)

一、期刊論文：

(若期刊屬於 SCI、EI、SSCI、TSSCI、EconLit 或 A&HCI 等時，請註明)

1. Devi, S.; Wu, P.-H.; Chu, P.-Y.; Wu, H.-L.; Ho, Y.-P.* “Studying the effect of microwave heating on the digestion process and identification of proteins” *Electrophoresis*, DOI: 10.1002/elps.201600392.
2. Chen, C.-C.; Reddy, P. M., Devi, C. S., Chang, P.-C.; Ho, Y.-P.* “Study of microwave effects on the lipase-catalyzed hydrolysis” *Enzyme and Microbial Technology* **2016**, 82, 164-172.
3. Chen, W.-L.; Ho, Y.-P.; Chou, J.-C.* “Phenologic variation of major triterpenoids in regular and white *Antrodia cinnamomea*” *Botanical Studies* **2016**, 57,
4. Devi, C. S.; Hu, Anren; Ho, Y.-P.* “Sample preparation methods for the rapid MS analysis of microorganisms” A book chapter in *Applications of Mass Spectrometry in Microbiology - From Strain Characterization to Resistance Screening*, edited by Plamen Demirev and Todd Sandrin. Springer. **2016**, 51-71..
5. Gandhi, A. C.; Reddy, M.; Chan, T.-S.; Ho, Y.-P.; Wu, S.-Y. “Memory effect in weakly-interacting Fe₃O₄ nanoparticles” *RSC Adv.* **2015**, 5, 84782-84789.
6. Chang, Po-Chih; Reddy, P. Muralidhar; Ho, Y.-P.* “Quantitation of genetically modified soya using strong anion exchange chromatography ad time-of-flight mass spectrometry” *Anal. Bioanal. Chem.* **2014**, 406, 5339-5346.
7. Reddy, M.; Chang, K.-C.; Liu, Z.-J.; Chen, C.-T.; Chang, P.-C.; Ho, Y.-P.* “Evaluation of Functionalized Magnetic Iron Oxide (Fe₃O₄) Nanoparticles for Capturing Gram-Positive and Gram-Negative Bacteria” *J. Biomed. Nanotech.* **2014**, 10, 1429-1439.

8. Tien, C.-F.; Cheng, S.-C.; Ho, Y.-P.; Chen, Y.-S.; Hsu, J.-H.; Chang, R.-Y.* “Inhibition of aldolase A blocks biogenesis of ATP and attenuates Japanese encephalitis virus production” *Biochem. Biophysic. Res. Commun.* **2014**, *443*, 464-469.
9. BHARATH KUMAR VELMURUGAN, Kao-Jean Huang, Hsueh-Hui Yang, Yen-Peng Ho, Ping-Jyun Sung, Ching-Feng Weng *Antrodia cinnamomea profoundly exalted the reversion of activated hepatic stellate cells by the alteration of cellular proteins" has been accepted for publication in Food and Chemical Toxicology. Food Chem. Toxicology. **2014**, *69*, 150-162.
10. Reddy, M.; Huang, Y.-S.; Chen, C.-T.; Chang; P.-C.; Ho, Y.-P.* “Evaluating the potential nonthermal microwave effects of microwave-assisted proteolytic reactions” *J. Proteomics* **2013**, *80*, 160-170.
11. Chen, C.-T.; Reddy, M.; Ma, Y.-R.; Ho, Y.-P. * “Mass spectrometric identification of pathogens in foods using a zirconium hydroxide immobilization approach” *International J. Mass Spectrom.* **2012**, *312*, 45-53.
12. Ho, Y.-P.* and Reddy, M. “Advances in Analysis of Pathogens by Mass Spectrometry” *Mass Spectrom. Rev.* **2011**, *30*, 1203-1224.
13. Ho, Y.-P.; Kuo, C.-W.; Hsu, Y.-T.; Huang, Y.-S.; Yew, L.-P.; Huang, W.-F.; Lin, K.-C.; Hsu, J.-H.* ” β -Actin is a downstream effector of the PI3K/AKT signaling pathway in myeloma cells” *Mol. Cellular Biochem.* **2011**, *348*, 129-139.
14. Chen, C.-T. Wang, L.-Y.; Ho, Y.-P.* “ Highly Specific Enrichment of Phosphopeptides with Polyethylenimine-Modified Magnetic Nanoparticles for Mass Spectrometric Analysis” *Anal. Bioanal. Chem.* **2011**, *399*, 2795-2806.

二、研討會論文：

1. “Applications of gold affinity probes to the Identification of CP4 EPSPS in genetically modified soybeans” 08/18/2016 AMRMT Singapore
2. “Mass Spectrometry Combined with Glycosylated Affinity Probes for the Identification of CP4 EPSPS in Genetically Modified Soya” 08/15/2016 ICFAS Malaysia
3. “Mass spectrometry combined with affinity probes for the Identification of CP4 EPSPS in Genetically Modified Soya” 06/29/2016 台灣質譜年會
4. “Monolith based capture for mass spectrometric analysis of bacteria” Bo-Hong Wu, Sheng-Ru Guo, C-Shobha Devi, Yu-Chuan Yang, Yen-Peng Ho* July 19-22, 2015 25th Australian and New Zealand Society for Mass Spectrometry Conference (ANZSMS) and 6th Asia Oceania Mass Spectrometry Conference

- (AOMS) Brisbane, Australian
5. “Investigating the effect of protein degradation on the quantification of genetically modified soya using stable isotope labeling and mass spectrometry” Po-Chih Chang, Yen-Peng Ho* August 24-29, 2014 20th International Mass Spectrometry Conference Geneva, Switzerland
 6. 06/30/103 台灣質譜年會 Is Microwave Really a Magic Booster for Enzymatic Reactions?
 7. “Investigating the efficiencies of rapid enzymatic digestion and conventional digestion”, Hsin-Lin Wu, Yen-Peng Ho, 台灣質譜學會 103 年年會。
 8. “Is Microwave Really a Magic Booster for Enzymatic Reactions?” 15th Beijing Conference and Exhibition on Instrumental Analysis, Beijing, China, Oct. 22-26, 2013.
 9. “Identification of compositions from the fruiting body of *Antrodia cinnamomea* by nanoLC-ESI MS” Hsing Kuo, Jyh-Ching Chou, Yen-Peng Ho. 4th AOMSC & 10th TSMS, 2013, Taipei, Taiwan.
 10. “Selective Proteotypic Peptide Analysis of Pathogens Using Magnetic Nanoparticles and Mass Spectrometry” Collaborative Conference on Materials Research (Jeju Island, Korea) June 25, 2013.
 11. “Rapid detection and quantification of genetically modified soya by LC-ESI MS”, Cheng-Tung Chen, Yi-Cheng Lin, Yen-Peng Ho, 5th European Conference on Chemistry for Life Sciences, Barcelona, Spain, June 10-12, 2013
 12. “Identification of Medically Important *Candida* Species by LC-Selective Tandem Mass Spectrometry”;Po-Chih Chang; Muralidhar Reddy; Chien-Liang Chen; Tsung C Chang; Hsien-Chang Chang; Yen-Peng Ho IMSC September 15-21, 2012
 13. “Quantification of Genetically Modified Soya using Stable Isotope Labeling and MALDI-MS”;Po-Chih Chang; Yen-Peng Ho ASMS May 20-24, 2012
 14. “Investigation of phosphoproteome of multiple myeloma cells by functionalized magnetic nanoparticles and mass spectrometry” Chen, C.-T; Ho, Y.-P. International Conference on Material Chemistry, Manchester, UK, Jul 4-7, 2011

三、其他著作或專利：

四、三年內之研究計畫 (2014.8~2017.7)：

起迄年月	研究計畫名稱	主持人/共同主持人	計畫經費	補助單位
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2016/08/01~ 2017/07/31	基因改造大豆食品的檢測 (105-2113-M-259-007-)	主持人	2,580,000	科技部
2016/12/01~ 2017/12/31	國立東華大學自有貴重儀器 共同使用服務計畫 (105-2731-M-259-001-)	共同主持人	2,203,000	科技部
2015/12/01~ 2017/02/28	國立東華大學自有貴重儀器 共同使用服務計畫 (104-2731-M-259-002-)	共同主持人	2,208,000	科技部
2014/08/01~ 2016/07/31	基因改造大豆及食品之分析 (103-2113-M-259-006-MY2)	主持人	4,607,000	科技部
2011/08/01~ 2014/07/31	微波輔助線上/非線上蛋白質 消化器串聯電噴灑與基質輔 助雷射脫附質譜法的開發與 應用	主持人	6,450,000	科技部



教學

五、三年內開授課程：

學年度	課程名稱(必/選)	選修人數
95 (上)	分析化學 (三) (必)	58
	分析化學實驗 (二) (必)	48
	質譜分析(選)	27
96 (上)	分析化學 (三) (必)	55
	分析化學實驗 (二) (必)	46
	質譜分析(選)	11
97 (上)	分析化學 (三) (必)	59
	分析化學實驗 (二) (必)	44
	質譜分析(選)	27

六、三年內指導研究生狀況：

學年度	碩士班(人)	博士班(人)	畢業人數	
			碩士	博士
96	7	3	3	1
97	8	3	3	0
98	10	3	5	0



服務

七、三年內校內校、院、系(所、科及中心)各級公共事務參與：

年月	校/院/系級	項目
103/7-	校	負責本系質譜儀之維護與校內外之代測服務。

八、三年內專業學術服務工作項目：

年月	校內/校外	項目
104-	校外	科技部化學學門委員
105	校外	科技部化學中心委員
104-	校外	台灣質譜學會常務理事
102-	校外	台灣層析學會理事
105-	校外	科技部分析小組學術委員



教學與研究獎勵

九、三年內之教學與研究獎勵事蹟：

學年度	校內/校外	項目
105	校內	理工學院優良教師