

國立中山大學環境工程研究所
112 學年度第 2 學期「書報討論」課程表

National Sun Yat-Sen University, Institute of Environmental Engineering
Timetable of 112-2 Seminar

113 年 3 月 1 日

日期 date	演講人 speakers	任職單位與職稱 Department/ Position	專題演講題目 Topic (畢業論文預講題目) (Student presentations for the pre-defense)	主持人 Host
2/21	陳威翔 彭彥彬	教授兼所長 教授	課程說明(Course introduction)	陳威翔 彭彥彬
	張家驥 Chia-Chi Chang	臺灣生質能技術發展協會 Taiwan Bio-energy Technology Development Association 資深研究員 Senior research fellow	廢棄物燃料化之技術與應用 Waste-to-Fuel Technologies and Applications	彭彥彬
2/28	二二八和平紀念日，放假 Peace Memorial Day (National Holiday, no classes)			
3/6	溫桓正 Huan-Cheng Wen	台灣電力股份有限公司環境保護處 Taipower Department of Environmental Protection 處長 Director	從電力淨零策略看見環工領域的出路 From the Net zero strategy, we see the new page of the field of environmental engineering.	袁中新
3/13	黎金敏	博士生	開發共沉降結合 EDR 薄膜系統處理及回收石化業冷卻廢水 Development of a co-precipitation and EDR/membrane system for enhanced reclamation efficiency of cooling tower water in the petrochemical industry	高志明
3/20	丁韻滋 Yun-Tzu Ting	環科工程顧問股份有限公司 Environmental Science Technology Consultants Corporation 副理 Vice Manager	臺灣塑膠資源循環政策發展 Development and Policy of Plastic Circulation in Taiwan	張耿峻
3/27	張元賓	國立中山大學化學系 助理教授	運用氣膠拉曼光鉗技術探究單一氣膠微粒的物化特徵與反應動力學	陳威翔

			Direct probe of aerosol properties and kinetics by aerosol optical tweezers and Raman spectroscopy	
4/3	黃建仁 John Huang	捷博科技股份有限公司 Jetpro Technology Co., Ltd 總經理 General Manager	土壤及地下水污染整治案例介紹 Field Application of In-situ Remediation Integrated with Groundwater Circulation System	高志明
4/10	期中考試週，自習 week of midterm, self-study			
4/17	林睿彥	國立高雄科技大學化學工程與材料工程系 助理教授	開發電泳系統分離水中次微米級塑膠顆粒 Electrophoretic separation of submicron plastics particles from fresh water	施育仁
4/24	盧明俊 Ming-Chun Lu	國立中興大學環境工程學系 Department of Environmental Engineering, National Chung Hsing University 特聘教授 Distinguished Professor	結合鹼吸收與流體化床均相結晶技術應用於回收煙道氣中之二氧化碳 Combining alkaline absorption with fluidized bed homogeneous crystallization technology for recovering carbon dioxide from flue gas	林淵淙
5/1	蔡宜恬	碩士生	研發新型鎳改質觸媒結合鹼熱法提高生物質產氫效率並進行CO ₂ 捕捉生成碳酸鈣以達碳中和 Developing a novel nickel-modified catalyst through alkali-thermal method to enhance the efficiency of biomass hydrogen production, and concurrently conducting CO ₂ capture to generate calcium carbonate for carbon neutrality.	林淵淙
	黃賽	碩士生	研發鋁渣安定化除臭技術並製成控制性低強度材料以利循環經濟再利用 Developing a technology for stabilizing and deodorizing aluminum dross, and producing controlled low-strength materials for facilitating reuse in a circular economy.	
	張岳倫	碩士生	研發乳化液膜以提升電鍍廢水中鎳金屬回收效率 Developing an emulsion film to enhance the nickel metal recovery efficiency in electroplating wastewater.	
	李佳蓁	碩士生	研究不同黏著劑對飛灰造粒影響並熔融處理以去除飛灰戴奧辛 Studying the impact of different adhesives on the granulation of fly ash and conducting a molten treatment to remove dioxins from fly ash.	
5/8	蕭娛云	碩士生	台灣島東、西通道大氣型態汞傳輸至南海之時空變化及傳輸路徑分析 Analysis of Spatiotemporal Changes and Transmission Routes of Atmospheric Mercury in the East and West Channels of Taiwan Island to the South China Sea	袁中新

	邱繁璿	碩士生	製備分子印跡聚合物應用於水中BPA及TBBPA選擇性吸附探討。 Molecularly Imprinted Polymer and Its Application in Selective Adsorption of Bisphenol A and Tetrabromodisphenol A in aqueous media.	施育仁
	卓政昕	碩士生	探討吡啶與不同金屬所建構的金屬有機框架之特性 A study for pyridine-based metal organic framework constructed by different metal nodes.	張耿峻
5/15	王冠捷	碩士生	利用海藻酸鈉-聚烯丙胺鹽酸鹽包埋厭氧銨氧化菌以提升完全自營脫硝效能之研究 Encapsulation of anaerobic ammonium oxidation (ANAMMOX) using sodium alginate-poly(allylamine hydrochloride) to enhance the performance of completely autotrophic nitrogen removal over nitrite (CANON)	陳威翔
	鄭為將	碩士生	次氯酸或臭氧結合氧化石墨烯氧化鐵複合材料進行光催化降解水中乙醯胺酚與鹵乙醯胺生成潛勢之研究 Photocatalytic degradation of acetaminophen and formation potentials of haloacetamides using hypochlorous acid or ozone in the presence of graphene oxide-iron oxide composite	
	簡祺安	碩士生	倒極式電透析技術應用於中水處理濃排水回收或廢水中藥品類污染物去除之可行性研究 Applications of electrodialysis reversal for recycle of brines from water reclamation or removal of pharmaceuticals in wastewater	
	林昱蕙	碩士生	應用奈米改質氧化鈣結合微生物沉澱整治氟化物污染之地下水 Application of modified nano-scale CaO and microbial precipitation to remediate fluoride-contaminated groundwater	高志明
	李岳峻	碩士生	利用創新氧化鎂改質材料整治氟鹽污染地下水：吸附劑開發及現地應用 Development of Innovative Modified Magnesium Oxide Materials to Remediate Fluoride-contaminated Groundwater: Adsorbent Development and In Situ Application	
	112 學年度第 2 學期教學意見調查 (Teaching opinion survey)			
5/22	鄭惇仁	碩士生	以綠色溶劑萃取柴油污染土壤中總石油碳氫化合物之最佳化研究 Optimizing the Extraction of Total Petroleum Hydrocarbons from Diesel-Contaminated Soil by Green Solvent	彭彥彬
	江語哲	碩士生	台灣臭氧八小時平均濃度趨勢與空氣品質不良應變之研究 Study on the Trend of Eight-Hour Average Ozone Concentrations and Control Regulations for the Serious Deterioration of Air Quality in Taiwan	
	林宏霖	碩士生	綠色合成鎳負載二氧化鈦奈米管陣列進行光電化學降解四甲基氫氧化銨 Green Synthesis of Nickel-Coated Titanium Dioxide Nanotube Arrays for Photoelectrochemical Degradation of TMAH	
	蔣昕好	碩士生	電化學方法合成六價鐵降解新興污染物-以雙氯芬酸為例 Electrochemical Synthesized Ferrate (VI) for the Degradation of Emerging Contaminants-A case study of Diclofenac.	

	謝育倫	碩士生	以 16S 基因定序技術分析結合生物炭與微生物降解三氯乙烯之菌群結構與功能 Analysis of the bacterial community structure and function for combining biochar and microbial degradation of trichloroethylene by 16S targeted sequencing technology	張耿峻
	侯采均	碩士生	結合深共熔溶劑和超音波技術轉化生質材料為生質塑膠 Combining Deep Eutectic Solvents and Ultrasonic Technology for the Conversion of Biomass Materials into Bioplastics	
5/29	王明叡	碩士生	沸石咪唑骨架燒製摻鈷氮衍生碳(CoNC)應用於電容去離子及電吸附鉬酸陰離子(Pyrolysis of imidazolate frameworks as cobalt-nitrogen-enriched carbon for capacitive deionization and molybdate electrosorption)	施育仁
	張晴彤	碩士生	銅鐵尖晶石氧化物複合二氧化鈦奈米管陣列異質接應用於光電化學降解乙醯胺酚及產氫反應 Heterostructure of copper ferrite spinel and titania nanotube array (CuFe ₂ O ₄ /TiNA) for photoelectrochemical degradation of acetaminophen and hydrogen evolution reaction	
	劉于瑄	碩士生	以均苯三甲酸複合聚乙炔吡咯烷酮(CuBTC/PVP)製備摻銅中孔碳電感測二甲雙胍 Benzene-1,3,5-tricarboxylate and polyvinylpyrrolidone composite (CuBTC/PVP) derived copper-enriched mesoporous carbon electrode for electrochemically sensing metformin	
	陳亭諭	碩士生	rGO改質TiO ₂ -MnO ₂ 複合光觸媒提升燃煤電廠廢氣中氮氧化物及元素汞之處理效率 Enhancing the removal efficiencies of elemental mercury and nitrogen oxide in flue gases emitted from coal-fired power plants by using rGO modified TiO ₂ /MnO ₂ composite photocatalysts	袁中新
	黃裕文	碩士生	結合深共熔溶劑與雙相反應系統轉化地瓜加工廢液為五羥甲基糠醛之研究 Conversion of Sweet Potato Processing Waste into 5-Hydroxymethylfurfural Using a Combined Deep Eutectic Solvent and Biphasic System	張耿峻
	Mkhontfo Fezile Bethusile	碩士生	Study of Biodegradation in Poly(lactic acid) Films with Entrapped Candida rugosa Lipase	
6/5	期末考試週，自習 week of final-term, self-study			
6/12	陳嘉浚	博士生	綠色整治技術去除水中三氯乙烯 Green Remediation Technology for Trichloroethylene Removal in Water	彭彥彬
	Quang Tam Huynh	博士生	Development of an Eco-Friendly Process for the Production of Bio-Based Platform Chemicals via One-Pot Conversion of Lignocellulosic Biomass Using a Recyclable Catalyst System	張耿峻
	程培正	博士生	研發金屬有機框架觸媒降低生質柴油污染物排放 Developing metal-organic framework catalysts to reduce pollutants from the engine fueled with biodiesel	林淵淙
6/19	彈性上課 Flexible learning week			

註：1. 上課時間：下午 2:10；上課地點：環工大樓(A 棟)四樓 4024 教室。

2. 上課內容如有變更，以更新的通告為準。

3. 連絡人：黃資軒，電話：(07)5252000 轉 4401，E-mail：amyhuang@mail.nsysu.edu.tw。