Program (Oral Presentations/Poster presentations)

167 oral presentations (10 in English and 157 in Japanese) and 94 poster presentations (15 in English and 79 in Japanese)

Note) Presentation ID in a box means the presentation in English.

Note) Poster sessions are held on Day 1 (Poster1) and Day 2 (Poster2).

Poster session Venue: Multi-purpose Hall (1F)

Poster1: Sept 9 (Mon) 17:00 - 18:15 / Poster2: Sept 10 (Tue) 13:30 - 14:45

A1 Waste redu	Iction (1) 【Sept 9 (Mon) 9:30–10:45 Venue#3 (Room303)】 Chair: Hajime Yamakawa (Kyoto Prefectural University) Co-chair: Yasuko Seta (Kyoto Prefectural University)	Jniversity)
A1-1-O	(in Japanese) University student survey on unintentional litter generated by individuals	p.1
	<i>J. F. Oberlin University</i> ○Manami Fujikura, Rikako Miura	
A1-2-O	(in Japanese) Microplastic release and inventory via wastewater from Solid waste treatment, Recycling, and Disposal facilities in Japan	n 2
	Nippon Steel Engineering Omiyabi Tsunematsu, Kyoto University Kazuyuki Oshita, Kenji Shiota, Masaki Takaoka	p.3
A1-3-O	(in Japanese) The state of polystyrene foam littering in river surface cleaning operations	
	and its solutions	p.5
A1-4-O	Environmental Counselor OKentoku Funaki	
A1-4-0	(in Japanese) Construction and evaluation of a recovered paper separating support system using YOLO that is a popular object detection and image segmentation model	p.7
Kvu	shu University OYasuhiro Sugisaki, Naoya Kojo, Kyushu Environmental Evaluation Association Takayuki Shimaoka	ρ.,
A1-5-O	(in Japanese) Changes in the status of home appliances discharged from household	
	non-burnable garbage in Fukuoka City	p.9
	Fukuoka City ONobuhiro Yokohari, Tomohiko Konishi, Hideki Kobayashi, Fukuoka University Shinya Suzuki	
A2 Waste redu	Iction (2) [Sept 9 (Mon) 11:00–12:15 Venue#3 (Room303)]	
	Chair : Kohei Watanabe (Teikyo University) Co-chair : Maki Nonomura (Tokyo University of A	griculture)
A2-1-O	(in Japanese) Study on the Awareness of Waste Separation Among Foreign Tourists Visiting	
	Urban Areas in Japan	p.11
A2-2-O	Waseda University ○Yuan Yuan, Shi Jiafan, Makoto Nohtomi Factors of motivation to use refill bottles among employees: A case study in office with cafe	p.13
VIL Z O	Kyoto University OFatimah Azhari, Research Institute for Humanity and Nature Misuzu Asari,	p. 10
	Kyoto University Yuta Ando, Ritsumeikan University Takuro Uehara,	
	SATO Corporation Yoshiyuki Ueda, Mitsutoshi Sakagami, Ayumi Kurihara, Toko Yasufuku,	
4000	Zojirushi Corporation Yuhei Iwamoto, Keito Kotani	
A2-3-O	(in Japanese) Reduction of plastic bottle wastage on university campus through the introduction of a water dispenser	p.15
	Taisho University O Tomoko Okayama, Miiku Yoneno	p. 13
A2-4-O	(in Japanese) Purchasing Deli Foods and Detergents in Bulk Using Personal Containers Across	
	Japan: Current Practices and Acceptability	p.17
40.50	Kyoto Prefectural University OHajime Yamakawa	40
A2-5-O	(in Japanese) New Trend of the Scheme for Reduction of Single-use Cups and Food Containers Sui-Do! Network ○Ryoko Seguchi	p.19
Poster1 A2-6-P	(in Japanese) Survey on students needs for the used clothing collection and reuse system on	
	university campuse	p.21
	<i>Tokyo City University</i> ○Ekyu You, Tomoko Mori	•
Poster2 A2-7-P	(in Japanese) Consideration of missing plastics and proposal for installing automatic litter	
	collectors in rivers Environmental Counselor OKentoku Funaki	p.23
Poster1 A2-8-P	Towards Zero Waste to Landfill: Evaluating Municipal Solid Waste and Refuse-Derived Fuel	
1 03(011 /12-01)	Potential in Yogyakarta City, Indonesia	p.25
	National Institute for Environmental Studies OFebrian Rizkianto, Universitas Islam Indonesia Iresha Fajri Mulya,	F
	National Institute for Environmental Studies Tomonori Ishigaki, Masato Yamada	
Poster2 A2-9-P	(in Japanese) Development and evaluation of elemental technologies for non-contact waste	07
	collection systems (proposal of use cases in specific Spaces) Waseda University Kosuke Kubota, OShiduo Zhang, Akihisa Ogawa,	p.27
	Waseda University Rosuke Rubota, Osinduo Zhang, Akinisa Ogawa, Daiei Environmental Research Institute Ryota Tsubouchi, Waseda University Hiroshi Onoda	
A3 Material fle	www analysis/ Propertiy analysis [Sept 9 (Mon) 13:30–15:00 Venue#5 (Room403)]	
AJ Wateriai 110	www analysis/ Propertiy analysis	Jniversity)
A3-1-O		
A3-1-U	(in Japanese) A Study on Plastic Material Flow by Agricultural Products Kyushu University ○Ryotaro Kawanishi, Hirofumi Nakayama,	p.29
	Tyusha University Cityotai O Nawainsin, 1 in Olulii Nakayaina,	

Kyushu Environmental Evaluation Association Takayuki Shimaoka

		As of September 4,	2024
	A3-2-O	(in Japanese) Estimation of the flow of plastic processing in industrial waste in Hokkaido Hokkaido Research Organization ○Shinobu Niwa, Ken Asakura, Hirohide Aga, Yoishiro Fukuda, Katsuyuki Yamaguchi, Satoru Ono	p.31
	A3-3-O	(in Japanese) Estimation of the amount of waste plastics flowing into water using city garbage images Chuo University Oso Sasaki, Sustainable System Design Institute Hideki Wada, Mizushima Foundation Toshifumi Shiwaku	s p.33
	A3-4-O	(in Japanese) Environmental impact assessment of the waste stage of plastics flow Akita University ○Hirotaka Kumamaru	p.35
	A3-5-O	(<i>in Japanese</i>) Composition and flow survey for planning plastic management measures on Okinoerabu Island **Ricoh** OHidetaka Noguchi, Tetsumaru Fujita, Ryuichi Fukuda, Tomohiko Kamatani,	p.37
	A3-6-O	Research Institute for Humanity and Nature Misuzu Asari (in Japanese) Mud and Sludge AICO ○Minoru Tokita, Jun-ichi Kojima, Takahiro Hirata,	p.39
Poster1	A3-7-P	Mud Recycling Association Shin-ichi Noguchi, Miho Nishikawa (in Japanese) Research on the actual status and prediction of agricultural waste plastic discharge University of Miyazaki ○Yusuke Mori, Tomoo Sekito, Yutaka Dote	p.41
Poster2	A3-8-P	(in Japanese) Comparison of transportation distances for direct landfill and intermediate treatment of industrial plastic waste: A case study in Hokkaido, Japan Hokkaido Research Organization OKen Asakura, Shinobu Niwa, Katsuyuki Yamaguchi, Yoichiro Fukuda, Hirohide Aga, Satoru Ono	p.43
A4 Ov		ase study [Sept 9 (Mon) 15:15–16:30 Venue#5 (Room403)] Misuzu Asari (Research Institute for Humanity and Nature) Co-chair: Teppei Nunoura (The University of	Tokyo)
	A4-1-O	International Comparison of Plastics Consumption Behavior (1) -Focusing on Plastic bottles and Shopping bags- Research Institute for Humanity and Nature Olie Sun, Kyoto University Yuta Ando, Fatimah Syakura Azhari,	p.45
	A4-2-O	Research Institute for Humanity and Nature Misuzu Asari (in Japanese) The Actual Situation and Role of the Waste Separation Instructor System: A Case Study of Wuxi City, Jiangsu Province, in China	p.47
	A4-3-O	Chuo University ○Wenrui Wu, Mikiko Shinoki (in Japanese) Analysis of household waste composition in floating villages on the Tonle Sap Lake Okayama University ○Habuer, Takeshi Fujiwara, Royal University of Phnom Penh Vin Spoann, Chandara Phat, Okayama University Makoto Tsukiji	p.49
	A4-4-O	(in Japanese) Landfarming Implementation Results in Samoa - Lessons Learned from Waste Oil Contaminated Soil Remediation Measures - Japan International Cooperation Agency ○Yoko Onuma	p.51
	A4-5-O	(in Japanese) Energy Poverty and Improper Disposal of Used Lead-Acid Batteries Among Nomads in Mongolia	p.53
		<i>Tohoku University</i> ○Xiaoyue Liu, Jeongsoo Yu, Kazuaki Okubo	
A5 Pu	blic awar	eness/ Environmental education	akuma)
	A5-1-O	(in Japanese) Research and product planning for upcycling Advanced Institute of Industrial Technology ○Shigeomi Koshimizu, Takeshi Matsuyama, Hiroyuki Matsushima, Makiko Mouri, Tian Yuan, Ziwei Wang	p.55
	A5-2-O	(in Japanese) Extraction of the elements related to plastic bag refusal rates based on the attitude survey of consumers	p.57
	A5-3-O	Pro-ship Naoki Nogata, Toyo University OAkito Murano (in Japanese) Actual conditions and issues in the collection of mixed waste paper Dynax Urban Environment Research Institute OYoko Kitasaka, Kohei Yamamoto, Toshihiko Arima, Paper Recycling Promotion Center Masatomo Kawakami	p.59
	A5-4-O	(in Japanese) International comparison of plastics consumption behavior (2) - Focusing on pro-environmental behavior regarding plastic products - Kyoto University ○Yuta Ando, Research Institute for Humanity and Nature Jie Sun,	p.61
	A5-5-O	Kyoto University Fatimah Syakura Azhari, Research Institute for Humanity and Nature Misuzu Asari (in Japanese) Design effect of PET bottle recycling bins on PET bottle recycling behaviors through course practice activity for undergraduate students – Part I: Effect of design on cap removal and other wastes contamination	p.63
	A5-6-O	Tokyo Institute of Technology ○Fumitake Takahashi (in Japanese) Evaluation of resident satisfaction with urban waste disposal systems in China Yamaguchi University ○Zhangbo Wang	p.65
Poster1	A5-7-P	(in Japanese) The effect verification of the educational program that addresses lifestyle awareness and behavior change to reduce marine debris generation. **Kao Corporation** ONaofumi Tagawa, Akira Saitou, Keiji Seto**	p.67
Poster2	A5-8-P	(in Japanese) The effect verification of the event, Tomogashima exploration walk rally, that encourage tourists to collect marine debris	p.69

A6 Fo	od loss a	and waste [Sept 10 (Tue) 10:45–12:00 Venue#3 (Room303)] Chair : Tomoko Okayama (Taisho University) Co-chair : Yasuhiro Matsui (Okayama University)	sity)
	A6-1-O	(in Japanese) The Effectiveness of Intervention Measures Using Support Tools in Reducing Household Food Waste: Research of Food Waste Reduction Using Cloud-Based Automatic Weighing System	o.71
		Kyoto Prefectural University OYasuko Seta, Hajime Yamakawa, Taisho University Tomoko Okayama,	
	A6-2-O	Teikyo University Kohei Watanabe, Tokyo University of Agriculture Maki Nonomura (in Japanese) Trends in Gaming Simulation to Encourage Consumer Food Loss Reduction Behavior particular Shibaura Institute of Technology Oshingo Ogino, Manabu Ichikawa	5.73
	A6-3-O	(in Japanese) Development of the educational program for junior high school students aiming to	.75
	A6-4-O	(in Japanese) The impact of municipal household waste charges and separate collection of	o.77
		Taisho University Tomoko Okayama, Teikyo University Kohei Watanabe, Kyoto Prefectural University Yasuko Seta	
Postor?	A6-5-O A6-6-P	(in Japanese) "How long past the best before date is it still OK?" Citizens' awareness survey Teikyo University ○Kohei Watanabe, Kodaira City Waste Reduction Promotion Volunteer Atsuko Sakiyama (in Japanese) Enlightenment effect of campaing on food loss reduction by web-app for online	.79
FUSICIZ	A0-0-F	broadcasting at food corner p	.81
		Okayama University ○Yasuhiro Matsui, AEON MALL Corporation Rikuo Fukumori, Dairyu Consulting Engineer Atsushi Furukawa	
B1 Wa	aste mana	agement and planning (1)	tute)
	B1-1-O		.83
	Б1-1-О	Japan Industrial Waste Management Foundation OAtsushi Yamawaki, Konaka Research Institute Tsuneo Konaka, Center for Environmental Science in Saitama Mikio Kawasaki	0.03
	B1-2-O	(in Japanese) Negative Effect of Separate Collection and Recycling of Waste Paper and Plastics *Research Institute of Solid Waste Management Engineering* OMasaru Tanaka	.85
	B1-3-O		.87
	B1-4-O	fukken ○Takashi Mikami, Takahito Inoue, Central Tottori Hometown Wide Area Local Public Body Tomoyuki Ueta, Daiki Miyamoto (in Japanese) Research on the nudge effect to raise awareness about waste paper recycling on	
		university campuses p Kyushu University ○Takuya Watabe, Yasuhiro Sugisaki, Hirofumi Nakayama,	.89
		Kyushu Environmental Evaluation Association Takayuki Shimaoka	
	B1-5-O		.91
	B1-6-O	Mitsubishi Heavy Industries Environmental & Chemical Engineering OMahiro Tanaka, Wataru Suzuki, Daisuke Chiba, Yoshinori Terasawa (in Japanese) Development of a low-cost location estimation method for the safety management	
	B1-0-0	of workers in Waste to Energy Plants	.93
		Hitachi Zosen Corporation ○Yutaro Atarashi, Nara Institute of Science and Technology Ismail Arai, Takuya Matsunaga	
Poster1	B1-7-P	(in Japanese) Survey of the actual conditions of the garbage collection process for the preparation	.95
		National Institute for Environmental Studies ○Masato Yamada, Tomonori Ishigaki, Japan Environmental Sanitation Center Koichi Tachio	
Poster2	B1-8-P	· ·	.97
Poster1	B1-9-P	Mitsubishi UFJ Research and Consulting Yamato Hosoi, Shingo Kanezawa, Masafumi Hagiwara, Toshiya Kayama (in Japanese) Study on improving the efficiency of industrial waste treatment processes through the introduction of Work Chain Management (WCM)	o.99
		Waseda University ODaichi Hayashi, Hiroshi Onoda).55
Poster2	B1-10-P	·	101
		Korea Environment Institute ○Munsol Ju, Korea Rural Economic Institute Byung-Joon Woo	
B2 Wa	aste mana	agement and planning (2)	sity)
	B2-1-O	(in Japanese) Non-Contact Acoustic Inspection for refractory materials in waste incineration plants p. Mitsubishi Heavy Industries Environmental & Chemical Engineering OKazuo Yamamura, Tomohiro Harada,	103

Mitsubishi Havy Industries Research and Innovation Center Masahito Ishioka,

Toin University of Yokohama Tsuneyoshi Sugimoto

	D0 0 0	As of September	
	B2-2-O	(in Japanese) Study on changes in surroundings land prices depending on the location incineration plant	p.105
		Nihon University ○Osamu Hashimoto, Katsuya Uozaki, Masaji Kanashima, Former Nihon University Hiromi Mitsuhashi	
	B2-3-O	(in Japanese) Predictive maintenance of conveyor using frequency analysis method	p.107
	B2-4-O	Hitachi Zosen Corporation Yutaro Atarashi, Eitatsu Dai, Kento Hayashi, Fumiaki Ohnishi, OKota Matsui (in Japanese) Optimization of Waste Incineration Facility Placement Considering the Introduction	
		of Transfer Stations: A 2050 Case Study of Kyoto Prefecture	p.109
	B2-5-O	Kyoto University ○Yuki Yoshida, Yasuhiro Hirai, Junya Yano Analysis of Urban-Rural Disparities in Waste Collection and waste disposal practices of	
		Households: A focus in Sri Lanka Toyo University OFernando Chamila Jeewanee, Toshiya Aramaki	p.111
	B2-6-O	GIS-Based Documentation of River Waste Facilities in Jakarta: Towards Optimization of the	
		Transportation System National Institute for Environmental Studies OAfif Faiq Muhamad, Ryo Tajima	p.113
D?	Disaster wa	aste management [Sept 10 (Tue) 9:00–10:30 Venue#2 (Room202)]	
В3	Disaster wa	(Sept 10 (Tue) 9:00–10:30 Venue#2 (Room202) Chair : Shinya Suzuki (Fukuoka University) Co-chair : Yusuke Jimbo	(Kureha)
	B3-1-O	(in Japanese) Changes and Effects of Spectral Information due to Degradation of Materials Used	
		for Estimating Waste Composition Estimation Taisei Corporation ORyohei Miyata, Koji Hashimoto, Hideya Ohkubo, Pasco Corporation Toshiaki Satoh	p.115
	B3-2-O	(in Japanese) Verification of the Effect of Moisture on Near-infrared Spectral Information Used for	447
		Waste Composition Estimation Taisei Corporation ○Koji Hashimoto, Ryohei Miyata, Hideya Ohkubo, Pasco Corporation Toshiaki Satoh	p.117
	B3-3-O	(in Japanese) Development of a Timeline for Disaster Waste Management Support Sustainable Society Promotion Consultant Association OYusuke Ishiwata, Yuki Ohata, Kazuyoshi Kan,	p.119
	D0 4 0	Ryo Hasegawa, Keisuke Miyazaki, Shoko Morita, Hisatoshi Ikemoto	
	B3-4-O	(in Japanese) Information Sharing on Disaster Debris from the R6 Noto Peninsula Earthquake Using a Mapping Application	p.121
	B3-5-O	Nagoya University ONagahisa Hirayama, NIED Yuichiro Usuda (in Japanese) Advocacy for disaster uaste management, form experienced volunteer	p.123
		Fukkou Volunteer ○Akihiko Takada	p=0
	B3-6-O	(in Japanese) Efforts to Database and Share Information on Potential Temporary Storage Sites for Disaster Waste	p.125
		Toyama Prefectural Environmental Science Reserch Center ○Keiichi Mizuta, Toyama Prefectural University Takashi Saeki, Keita Nakamura,	
		National Institute for Environmental Studies Ryo Tajima	
В4	Culture/ His	story of waste [Sept 9 (Mon) 11:00-11:45 Venue#5 (Room403)]	O: !: \
		Chair : Rokuta Inaba (National Institute for Environmental Co-chair : Kazuyuki Suzuki (Center for Environmental Science in S	
	B4-1-O	(in Japanese) Research for Self organization activity effects Solid Waste management	
		Improvement project Toyo University OAkio Ishii	p.127
	B4-2-O	(in Japanese) Profitability analysis of waste management companies in Japan Takushoku University OYasushi Yokozawa	p.129
	B4-3-O	(in Japanese) The history of cleaning business of Hachioji City from postwar period to the 1960s	p.131
		○Kazuo Nakagawa	
		carbon society [Sept 10 (Tue) 10:45–12:00 Venue#2 (Room202)] i Oshita (Kyoto University) Co-chair : Eriko Kono (Waterfront Vitalization and Environment Research Fou	undation)
	B5-1-O	Cancelled	,
	B5-2-O	(in Japanese) Life Cycle Assessment of Hydrogen Recovery System from General Waste Incineration Bottom Ash	p.135
		<i>Kyushu University</i> ○Etsuko Mizoe, Koji Sakakibara, Hirofumi Nakayama, <i>Kyushu Environmental Evaluation Association</i> Takayuki Shimaoka	
	B5-3-O	(in Japanese) Life cycle assessment of textile waste recycling using gasification technologies	p.137
		The University of Tokyo ○Daichi Tsuruta, Jun Nakatani, Toru Hayashi, Tsuyoshi Fujita, JEPLAN Akiko Yamaguchi, Yukari Ishizu, MasakiTakao	
	B5-4-O	(in Japanese) Design of a sludge carbonization system utilizing the heat of a waste incineration plant and evaluation of carbon sequestration effect.	p.139

Osaka University OKoki Tsuji, Toyohiko Nakakubo, Akihiro Tokai, Akita Prefectural University Yasuji Kurimoto,

National Agriculture and Food Research Organization Ayaka Kishimoto,

National Institute for Environmental Studies Yoshitaka Ebie

	B5-5-O	As of September 4	4, 2024
	B3-3-O	(in Japanese) Study on optimal layout of waste incineration and transfer station facilities for new integration of municipalities in Hokkaido as of 2050 Hokkaido University (currently, Japan Bank for International Cooperation) OHyo Nomiyama,	p.141
	D5 0 0	Hokkaido University Kazuei Ishii, Satoru Ochiai, Geun-Yong Ham	
	B5-6-O	(in Japanese) Scenarios Analysis based on Greenhouse Gas Emissions of Future Municipal Waste Management Systems in the Tohoku region, Japan	p.143
D 4 4	DC 7 D	Hitachi Zosen Corporation OTasuku Matsuoka, Kyoto University Kazuyuki Oshita, Masaki Takaoka	
Poster1	R2-1-H	(in Japanese) Analysis of regional resource circulation structure in a small-scale local municipality using a regional resource circulation map Hokkaido University Oyoshiki Arai, Satoru Ochiai, Geun-Yong Ham, Kazuei Ishii	p.145
Poster2	B5-8-P	(in Japanese) Enhanced Life Cycle CO ₂ Assessment of Waste Disposal Facilities with Carbon Capture and Utilization (CCU)	p.147
	B5-9-P	Waseda University Yi Han, ⊙Zhen Zhang, Tianjiao Cheng, Hiroshi Onoda Cancelled	
C1 Pa	ckaging/	Plastics (1)	
OI Fa	ckayiiig/	Chair : Miwako Hata (EX Research Institute) Co-chair : Michitaka Furubayashi (Hitachi	Zosen)
	C1-1-O	(in Japanese) An empirical study on the price difference of designated bags for household waste Yamanashi Eiwa College OKai Nomura, Kanagawa University Masashi Yamamoto	p.151
	C1-2-O	(in Japanese) Composition and Disposal Unit of Cutlery and Straws in Combustible Waste Tokyo Metropolitan Research Institute for Environmental Protection OHiroyasu Koizumi, Yushi Terajima, Sukehisa Tatsuichi, Akira Hasegawa	p.153
	C1-3-O	(in Japanese) Field test of anaerobic digestion of disposed bio plastic	p.155
	,	Osaka Gas ○Jun Tsubota, Shinya Akimoto, Junpei Miyazaki, Kyoto University Taira Hidaka, Taku Fujiwara, V/S Yukiko Kameda, Toru Kawasaki, Makoto Kojima, Kaito Mochizuki, Osaka City Yutaka Hashimoto, Narito Suda	
	C1-4-O	(in Japanese) Investigation of fuel property of polyvinyl chloride pyrolysis residue Gunma Industrial Technology Center OKoki Onda, Yosuke Watanuki, Keiji Tokuda, Yoshikawa Kazuo Nakamura, Kohei Sunaga, Mitsumine Industrial Shin-ichi Murakami	p.157
	C1-5-O	(in Japanese) How much do collection methods of plastic product waste affect its amount of	
		collection? A focus on restrictions in targeted products National Institute for Environmental Studies OHaruhisa Yamamoto, Masahiro Oguchi, Tomohiro Tasaki, Rokuta Inaba	p.159
	C1-6-O	(in Japanese) Biodegradability evaluation of biodegradable plastics by alkaliphilic bacteria komham ○Hajime Morimoto, Suno Nishiyama	p.161
Poster1	C1-7-P	(in Japanese) Comparison between utilization methods of biogas from polylactic acid through life cycle analysis	p.163
		<i>Kyoto University</i> ○Junya Yano, <i>Osaka Gas</i> Junpei Miyazaki, Shinya Akimoto, Jun Tsubota, <i>Kyoto University</i> Yasuhiro Hirai	·
Poster2	C1-8-P	(in Japanese) Application study of the analysis of total fluorine contained in paper products using XRF	p.165
D 1 4	04.0.0	Rigaku OSatoshi Ikeda, Natsumi Okazaki, Yokohama National University Yuichi Miyake, Junki Saito, National Institute for Environmental Studies Hidenori Matsukami	
Poster1	C1-9-P	(in Japanese) Estimation of Waste Plastic Flows and LCA Evaluation of Current Status by Cities: A case study of municipalities in Fukuoka prefecture The University of Kitakyushu ○Koudai Kawagoe, Atsushi Fujiyama, Toru Matsumoto	p.167
Poster2	C1-10-P	Computational Fluid Dynamics Analysis Study for Optimal Positioning of the Chlorine By-Pass (CBP) System	p.169
		Kongju National University ○Jimin Jeon, Jaehyung Kim, Yeonhwi Kim, Wootae Kim, Seacheon Oh, Ssangyong C&T Kyusung Choi	,
C2 Pa	ckaging/	Plastics (2)	niversitv)
	C2-1-O	Cancelled	3,
	C2-2-O	(in Japanese) Evaluation of Rubber as an Alternative to Expanded Polystyrene Lids in Shiitake Mycelium Cultivation	p.173
	C2-3-O	Tottori University of Environmental Studies OHiroyuki Doyama, Sangyul Kim (in Japanese) Analysis of Supply Potential for Future Recycled Plastics Demand	р.175
		The University of Tokyo ○Tomohiro Tabata, Jun Nakatani, Toru Hayashi, Tsuyoshi Fujita	p.173
	C2-4-O	(in Japanese) Preference evaluation of collection stations using choice-based conjoint analysis: a case study of Tachiarai town	p.177

The University of Kitakyushu ○Riku Kamata, Atsushi Fujiyama, Toru Matsumoto (in Japanese) Research on the use of collection site and health

Fukuoka University OToshimasa Kawai, Yoko Murano, Ikuyo Kikusawa, Shinya Suzuki

p.179

C2-5-O

		As of September 4	4, 2024
	C2-6-O	(in Japanese) Study on the evaluation of waste plastic collection and recycling using a circular	
		business model	p.181
Poster1	C2-7-P	Fukuoka University Olkuyo Kikusawa, Shinya Suzuki (in Japanese) The Effect of Repeated Recycling on the Properties of Polyolefin Resins Mie Prefecture Industrial Research Institute OYuki Yabuya, Masaki Murayama,	p.183
		Takashi Nishikawa, Satoshi Morisawa	
Poster2	C2-8-P	(in Japanese) Estimating the component material and weight percentage in composite plastic	
		analyses by near-infrared spectrophotometer	p.185
		Tokyo Metropolitan Research Institute for Environmental Protection OYushi Terajima, Sukehisa Tatsuichi, Akira Hasegawa, Hiroyasu Koizumi	
Poster1	C2-9-P	(in Japanese) Component analysis of black plastics using pyrolysis (Pr)GC/MS Tokyo Metropolitan Research Institute for Environmental Protection Osukehisa Tatsuichi, Akira Hasegawa,	p.187
Doctor2	C2-10-P	Yushi Terajima, Hiroyasu Koizumi (in Japanese) Plastic resin composition survey in the Chikugo area of Fukuoka (3rd report)	p.189
FUSICIZ	G2-10-F	Fukuoka University OShinya Suzuki, Toshimasa Kawai, Ikuyo Kikusawa	p. 109
00 14/5		townshile/ Detters (4)	
C3 WE	EES/ AUI	tomobile/ Battery (1)	niversity)
		, , , , , , , , , , , , , , , , , , ,	voloky)
	C3-1-O	(in Japanese) Analysis of bromide volatilization behavior in the recycling of waste printed circuit boards	p.191
		Tohoku University ○Haru Ishikawa, Yuko Saito, Shogo Kumagai,	
		Dowa Metals & Mining Satoshi Nakagawara, Hiromitsu Watanabe, Yusuke Oshima,	
	C3-2-O	Tohoku University Toshiaki Yoshioka (in Japanese) Recovery of High-purity Coating Resin and Copper Wire from Waste Wire Harness	
	00-2-0	Thin Wire by Wet Swelling and Milling Method	p.193
		Tohoku University OTaiki Yashima, Harendra Kumar, Shogo Kumagai, Borjigin Siqingaowa,	μσσ
	C3-3-O	Yuko Saito, Toshiaki Yoshioka	n 105
	C3-3-O	(in Japanese) Research on the Detection of Lithium-Ion Batteries Using RFID Tags Kyushu University ○Eriko Aibara, Koji Sakakibara, Kenji Ito, Haruichi Kanaya, Hirofumi Nakayama,	p.195
		Kyushu Environmental Evaluation Association Takayuki Shimaoka	
	C3-4-O	(in Japanese) Extraction of Rare Metals from Black Mass of Spent Rechargeable Batteries using Physical Separation and Inorganic Acid Leaching	p.197
		Kyoto University ○Hideaki Okabayashi, Ryosuke Homma,	
		<i>PEVE</i> Yoshihito Mitsuhara, Kazunao Ishiyama, Yuji Niwa, Masato Kumon, <i>Kyoto University</i> Kazuyuki Oshita, Kenji Shiota, Masaki Takaoka	
04 11/1	/		
C4 WE		tomobile/ Battery (2)	Institute)
			,
	C4-1-O	(in Japanese) Mechanical Properties Evaluation of Recycled Engineering Plastics Sorted from Mixed Plastics of Waste Household Appliance	p.199
		Mitsubishi Electric Corporation OYuichi Matsuo	p. 100
	C4-2-O	(in Japanese) Field Investigation on CO ₂ Emissions in the Disassembly and Shredding of	- 201
		End-of-Life Vehicles MRI Research Associates OKazuki Kobayashi, Hideaki Kitauchi, Tomoaki Togashi,	p.201
		Yuta Kuroiwa, Yumi Aso, Akihiro Nagao	
	C4-3-O	(in Japanese) Safety Evaluation of Lithium Ion Batteries and Measures towards Safe and Secure	
		Waste Management	p.203
	C4-4-O	National Institute for Environmental Studies OAtsushi Terazono, Masahiro Oguchi (in Japanese) Estimation of end-of-life generation of portable lithium-ion batteries and analysis of	
	0	flows after end-of-life	p.205
		National Institute for Environmental Studies OMasahiro Oguchi, Atsushi Terazono,	•
Poster1	C4-5-P	Mizuho Research & Technologies Kazuo Hasunuma Development of a green leaching and selective separation process for lithium extraction from	
1 03(011	0+01	lithium iron phosphate batteries	p.207
		Kongju National University OMinhui Kim, Hyunjin Kim, Gamin Kim, Choonsoo Kim	
C5 C8	D wasto/	Other inorganic waste (1) [Sept 10 (Tue) 9:00–10:15 Venue#4 (Room402)]	
C3 C8	waste/	Other inorganic waste (1)	niversity)
	C5-1-O	(in Japanese) Environmental and Economic Evaluation of Waste Plastic Management Processes	
		for Effective Utilization of Plastic Waste from the Construction Industry	p.209
		Kyushu University OYuki Komori, Hirofumi Nakayama, Kubota Corporation Shigenori Inoue,	
		Kyushu Environmental Evaluation Association Takayuki Shimaoka, National Institute for Environmental Studies Masahiro Osako	
	C5-2-O	(in Japanese) Scenario Analysis of Greenhouse Gas Emissions from the Recycling of Waste	
	-	Plastics in Construction Waste	p.211
		Kyoto University OYuki Yamashita, Kazuyuki Oshita, Takenaka Corporation Satoshi Kawajiri,	
		n anguro Hoo-Nautione Ryo Hayarawa Tohoku University Tochiaki Vechieka	

	C5-3-O	(in Japanese) Evaluation of nutrient release and CO ₂ absorption capacity of wood ashes with different raw material mixing ratios.	p.213
		Meiji University ○Akari Taguchi, Okumura Corporation Yoshihiro Oya, Shoji Suzuki, Meiji University Masahiko Katoh	p.2.0
	C5-4-O	(in Japanese) Production of calcium sulphide from waste gypsum using a rotary carbonising furnace	p.215
	C5-5-O		p.217
Poster1	C5-6-P	Mitsubishi UBE Cement Corporation ○Tetsuhiro Sakai, Kenji Noda, Akira Sasaki, Eiji Maruya (in Japanese) Manufacturing management system and safety of improved soil made from industrial waste such as construction sludge	p.219
Poster2	C5-7-P	Mie Prefecture Health and Environment Research Institute OEmika Kondo, Masahiro Yamakawa, Mayumi Yano, Ryo Tsuge, Rika Mori (in Japanese) Strength characteristics of mortars and concretes mixed with molten slag derived	
1 03(012	00-1-1	from industrial waste	p.221
Poster1	C5-8-P	Hirosaki University OAkihisa Kamiharako, Taiheiyo Cement Corporation Maki Mikami, Seinan Corporation Genta Ando (in Japanese) Estimation of geotechnical properties of waste gypsum board for use as Sr shielding	
1 03(011	00-0-1	geomaterial	p.223
		National Institute of Technology, Fukushima College ○Jun Endo, National Institute for Environmental Studies Kazuto Endo, National Institute of Technology, Fukushima College Takuya Miura	
	C5-9-P	Cancelled	
C6 C&	D waste/	Other inorganic waste (2) [Sept 10 (Tue) 10:45–12:00 Venue#4 (Room402)]	
		Chair : Tohru Kamo (Waseda University) Co-chair : Yumi Matsuda (Ta	akuma)
	C6-1-O	(in Japanese) Initiatives for the Recycling of Construction Waste (Part1) -Consideration of Removal Methods in the Demonstration of Recycling Waste Glass- Taisei Corporation ○Yuko Hasegawa, Kaori Mino, Hideya Ohkubo, Yuko Sakuma, AGC Naoya Kobayashi, Yoshihiro Nagao	p.227
	C6-2-O	(in Japanese) Construction waste recycling initiative (part 2) -Demonstration test for recycling safety cones discarded from construction sites-	p.229
		Taisei Corporation OKaori Mino, Yuko Hasegawa, Hideya Ohkubo, Yagikuma Masashi Nishikawa, Junki Takezawa	-
	C6-3-O	(in Japanese) Leaching mechanism of waste-molten slag beneath the groundwater table National Institute for Environmental Studies ○Hirofumi Sakanakura, The Japan Society of Industrial Machinery Manufacturers Masanori Tsukahara	p.231
	C6-4-O	(in Japanese) Investigation of compressive strength improvement of geopolymer using incineration bottom ash	p.233
	C6 F O	Obayashi Corporation OKoga Miyamoto, Toshihiko Miura, Yukinobu Kimura, Tetsunosuke Morotomi, Hiroshi Hasegawa (in Japanese) Realifilling work of cavity incide abutment using sail morter containing recycled acid.	
	C6-5-O	(in Japanese) Backfilling work of cavity inside abutment using soil mortar containig recycled soil generated from industrial waste Taisei Corporation OHiroki Ikegami, So Ihara, Hidetake Matsui, Tadafumi Fujiwara	p.235
Poster2	C6-6-P	(in Japanese) Chromium and fluorine insolubilizer and treatment method on biomass incinerated ash	p.237
Poster1		Yokkaichi University OMasaaki Takahashi, Yukimasa Takemoto, Okamoto Doseki Kougyou Tadaharu Kado, efectural Environmental Conservation Agency Atsushi Suzuki, Ayaka Oshima, Tomoyuki Ueno, Kentarto Hosokawa (in Japanese) Fundamental Study on Compressive Strength of Porous Concrete using Waste	
		Glass from Solar Panels	p.239
Poster2	C6-8-P	Mie Prefecture Industrial Research Institute ○Akihiro Maegawa, Masaki Murayama, Mie Prefecture Health and Environment Research Institute Mayumi Yano (in Japanese) Study on glass recycling of back-silvered mirror	p.241
	[Tokyo Metropolitan Industrial Technology Research Institute ○Yu Kamezaki, Kazuhiko Hirai, Daisuke Enomoto, Nishio Glass Mirror Tomoyuki Nishio, Chihiro Tanaka, Shogo Asai	
Poster1	C6-9-P	Study on application of seawater-derived carbonate as a cement filler using machine learning analysis	p.243
		Yonsei University ○Seojin Oh, Dongwook Lee, Kyumin Jang, Jiwon Myung, Won Yong Choi, Jinwon Park	
C7 Fo	od waste	/ Livestock waste/ Sludge [Sept 9 (Mon) 13:30–14:45 Venue#4 (Room402)] Chair: Naohisa Yashiro (Fuji Clean) Co-chair: Kazunori Machikawa (Fuji	Clean)
	C7-1-O	(in Japanese) Used cooking oil recycling in Japan Japan Industrial Waste Information Center ○Izumi Sasaki, Hiroyoshi Fujiwara, Motoki Sasaki	p.245
	C7-2-O	(in Japanese) Development of a microalgae cultivation reactor for native microalgae cultivation using nitrogen in cow manure digestate and carbon dioxide in power generation exhaust gas from biogas plants	p.247
		Hokkaido University OShinji Sakaguchi, Kazuei Ishii, Jumana Al-Mallahi, Satoru Ochiai, Geun-Yong Ham	

	C7-3-O	(in Japanese) Development of a Food Environment Education Program to Understand the Connection between Food, Self, and Environment: Based on Children's Survey Results on Food Loss and Nitrogen Footprint Kyoto University OMoonju Lee, Research Institute for Humanity and Nature Misuzu Asari, Kyoto University Yuta Ando, Hitoshi Shinjo	p.249
	C7-4-O	(in Japanese) Phosphorus phases and availability in sewage sludge treated with composting, combustion, and melting	p.251
		<i>Meiji University</i> ⊙Moe Soga, <i>Kubota Corporation</i> Motohiro Sakamoto, Fumiki Hosho, <i>National Institute for Environmental Studies</i> Hirofumi Sakanakura, <i>Meiji University</i> Masahiko Katoh	
	C7-5-O	(in Japanese) Resource Recycling of Liquid Dairy Biomass by Anaerobic Membrane Bioreactor and Microalgae Culture Kobe University OKaho Sumino, Gen Yoshida, Masahiro Iwasaki, Mohamed Farghali, Ikko Ihara	p.253
Poster1	C7-6-P	(in Japanese) Effect of cathode chamber-water exchange on power generation performance of steelmaking slag-sediment microbial fuel cell using food waste as fuel	p.255
Poster2	C7-7-P	Tokyo University of Agriculture ○Touch Narong, Tokyo Metropolitan University Xiao Xiao The current situation of liquid-bio fertilizer utilization and the ammonia volatilization during its application to farms	p.257
Poster?	C7-8-P	Hokkaido University OShun Otsuka, Kazuei Ishii, Satoru Ochiai, Geun-Yong Ham, Jumana Al-Mallahi (in Japanese) Estimation of phosphorus supply potential from sewage sludge	p.259
FUSICIZ	C7-0-F	Tohoku Institute of Technology (Mai Koshiishi, Kai Hou, Toshimasa Hojo	p.239
C8 Dis	saster wa	aste/ Other organic waste [Sept 9 (Mon) 11:00–12:15 Venue#7 (Room406)] Chair : Ryo Tajima (National Institute for Environmental Studies) Co-chair : Satoru Ochiai (Hokkaido	University)
	C8-1-O	(in Japanese) Life Cycle Assessment on Marine Utilization of Disaster Waste Considering the Tokyo Metropolitan Earthquake (Part2) Oyo Corporation OHiroki Tejima, National Institute for Environmental Studies Masahiro Osako, Ryo Tajima, Oyo Corporation Takahiro Otagaki, Kyushu University Hirofumi Nakayama,	p.261
	C8-2-O	Kyushu Environmental Evaluation Association Takayuki Shimaoka (in Japanese) Production of fine ceramic (3C-SiC) from rice husk at low cost	p.263
	C8-3-O	Toyama Prefectural University ○Masafumi Tateda, Kanazawa University Ryoko Sekifuji (in Japanese) Research on the promotion of resource reusing of clothing using IoT tag Kyushu University ○Sho Miyazaki, Koji Sakakibara, Yasuhiro Sugisaki, Kyushu Environmental Evaluation Association Takayuki Shimaoka	p.265
	C8-4-O	Corncob Biochar Utilization for the Adsorption of Acetaminophen and Caffein in Water *Tohoku University** OFajar Eko Priyanto, Shogo Kumagai, *Jahangirnagar University** Mir Tamzid Rahman, *Tohoku University** Yuko Saito, Toshiaki Yoshioka	p.267
	C8-5-O	Characterization of activated carbon produced from green tea waste after physical and chemical activation	p.269
Poster1	C8-6-P	Saitama University ODawei Lu, Qingyue Wang (in Japanese) Heat balance analysis of greenhouse bio-drying MBT under southeast Asian environment	p.271
Poster2	C8-7-P	Hokkaido University OSota Fujimoto, Geun-Yong Ham, Kazuei Ishii, Satoru Ochiai (in Japanese) Basic investigation on formation of nanocarbon materials from simulated	•
		decomposition gases of organic waste Nippon Institute of Technology Yuichi Uchida, OSora Kawashima	p.273
Poster1	C8-8-P	Biochar for Phosphate Adsorbent and Slow Release Fertilizer Hallym University (KSWM) ODong-Jin Kim, Hyun-Ho Song	p.275
Poster2	C8-9-P	(in Japanese) Life Cycle Assessment on Marine Utilization of Disaster Waste Considering the Tokyo Metropolitan Earthquake (Part1) Oyo Corporation OHiroki Tejima, Kyushu University (Currently: Fukuyama Consultants) Shoki Okimoto, Kyushu University Hirofiumi Nakayama, Kyushu Environmental Evaluation Association Takayuki Shimaoka,	p.277
C9 Me	ethane fei	National Institute for Environmental Studies Masahiro Osako, Oyo Corporation Takahiro Otagaki rmentation/ Composting/ Processing to feed [Sept 10 (Tue) 9:00–10:30 Venue#7 (Room-	406)]
		Chair : Nobusuke Kobayashi (Gifu University) Co-chair : Ikumi Shioji (Konoike Co	
	C9-1-O	(in Japanese) Characterization of biochar derived from digestate and its performance as an additive in anaerobic digestion National Institute for Environmental Studies Takuro Kobayashi, Hidetoshi Kuramochi	p.279
	C9-2-O	(in Japanese) Concentration technology for methane fermentation digestate and the effect of concentration on promoting the use of liquid fertilizer	p.281
	C9-3-O	SymEnergy ○Sayuri Yamazaki, Tamotsu Ishibashi (in Japanese) Effect of Changes in Microbial Community Structure Associated with the Addition of Volatile Fatty Acids on the Alleviation of Ammonia Inhibition in Anaerobic Digestion	p.283
	C9-4-O	Kobe University OKaede Tsukamoto, Gen Yoshida, Masahiro Iwasaki, Farghali Mohamed, Ikko Ihara (in Japanese) Biochar-added anaerobic membrane bioreacter towards high-efficiency energy	•
		recovery from dairy wastewater Kobe University OMoeri Miyahara, Gen Yoshida, Masahiro Iwasaki, Farghali Mohamed, Ikko Ihara	p.285

	C9-5-O	(in Japanese) Synergistic Effects of Granular Activated Carbon and Microbial Electrochemical Technologies on Methane Fermentation	p.287
		Toyohashi University of Technology ○Hikaru Kaneko, Hiroyuki Daimon	p
	C9-6-O	(in Japanese) Prospect of Developed High-Efficiency Technology for Methane Fermentation System of Daily Cow Manure in India	p.289
		Toyohashi University of Technology ○Koki Narui, Hikaru Kaneko, Hiroyuki Daimon	•
Poster1	C9-7-P	(in Japanese) Fundamental Study for Solid-State Recovery of Ammonia Nitrogen Contained in	n 201
		Mesophilic Methane Fermentation Digestive Fluid Mie Prefecture Industrial Research Institute OShinya Matsuura, Masaki Murayama, Akihiro Maegawa,	p.291
		Daiei Kogyo Corporation Takayoshi Kawaoka, Yasuyuki Kanzaki	
Poster2	C9-8-P	(in Japanese) Comparison between mixotrophic and heterotrophic conditions for native	
		microalgae cultivation using digestate of cow manure methane fermentation Hokkaido University OKenshin Akiyoshi, Kazuei Ishii, Jumana Al-Mallahi, Satoru Ochiai, Geun-Yong Ham	p.293
Poster1	C9-9-P	(in Japanese) Data Analysis and Considerations for High Load and Stable Operation of Biogas	
		Plants for Food Waste	p.295
D40	00 40 D	Hokkaido University OYoshino Otsuka, Kazuei Ishii, Satoru Ochiai, Geun-Yong Ham	- 007
Poster2	C9-10-P	(in Japanese) Investigation of Coating Materials for Slow-release Fertilizers that do not use Plastic National Institute of Technology, Fukushima College Mai Takahashi,	p.297
		Nakoso Community Development Support Center Takashi Hasegawa, Takashi Tachi,	
		National Institute of Technology, Fukushima College Takuya Miura	
Poster1	C9-11-P	(in Japanese) A Study on the Supply-Demand Balance of Livestock Manure in Miyazaki Prefecture	p.299
		<i>University of Miyazaki</i> ○Kosuke Toshiki, Kazumori Nishi	
C10 C	onversio	n to bio-gas and fuels [Sept 10 (Tue) 10:45–12:15 Venue#7 (Room406)]	
		Chair : Hiroyuki Daimon (Toyohashi University of Technology) Co-chair : Nobusuke Kobayashi (Gifu Uni	versity)
	C10-1-O	(in Japanese) Inventory assessment of biomethanation of waste biomass and application of the residue to farmland	p.301
		National Institute for Environmental Studies OKosuke Kawai,	p.50 i
		Mizuho Research & Technologies Hiroaki Hirai, Kazuki Ishiketa,	
	040.0.0	National Institute for Environmental Studies Takuro Kobayashi, Hidetoshi Kuramochi, Masahiro Osako	
	C10-2-O	(in Japanese) Study on increasing methane production by anaerobic co-digestion using chicken manure and food waste	p.303
		Toyota Motor Corporation O Takema Furukawa	p.000
	C10-3-O	(in Japanese) Improvement of physical properties and engine combustion behaviors of biodiesel	
		derived from waste rapeseed oil	p.305
		<i>Fukuoka University</i> ⊙Masatoshi Todaka, Konomi Koga, Kento Namikawa, Kento Ariura, Wasana Kowhakul, Hiroshi Masamoto, Mikiji Shigematsu	
	C10-4-O	(in Japanese) Demonstration experment on fuel production by fermentation and drying of municipal	
		waste	p.307
		JET ○Tomoyuki Katayama, Shinichi Shimose, Tomomi Shingai, Shinichi Ohta, Kyoto University Mikio Kasahara, Minamiizu Town Mayor Katsuhito Okabe	
	C10-5-O	(in Japanese) Validation for Installing Batch Operating Dry Methane Fermentation Plant	p.309
		Konoike Construction ○Ikumi Shioji, Takuo Nakashima	p
	C10-6-O	(in Japanese) Improvement of cellulase activity by the combinations of wood combustion ash	0.14
		with oil-containing biomass Fukuoka University ○Koyo Yamamoto, Masatoshi Todaka, Mikiji Shigematsu	p.311
Poster2	C10-7-P	(in Japanese) Production of high-concentration ethanol by fermentation with the promotion	
		effect of baseball bat materials	p.313
5	04000	Fukuoka University OTadahide Matsuwaki, Masatoshi Todaka, Mikiji Shigematsu	
Poster1	C10-8-P	(in Japanese) Promotion effect of Kampo residues on ethanol fermentation and the contribution of their constituent herbal medicines	p.315
		Fukuoka University ORyo Kaneko, Masatoshi Todaka, Mikiji Shigematsu	p.010
Poster2	C10-9-P	(in Japanese) The conversion of Kakkonto residues to sugar raw material by an enzymatic or	
		a sulfuric acid hydrolysis	p.317
		<i>Fukuoka University</i> ○Ryo Iwashita, Masatoshi Todaka, Mikiji Shigematsu	
C11 R	ecovery	of valuables [Sept 9 (Mon) 15:15–16:45 Venue#4 (Room402)]	
		Chair : Shogo Kumagai (Tohoku University) Co-chair : Mitsuhiko Koyama (Nagasaki Uni	versity)
	C11-1-O	(in Japanese) Increasing phosphate removal rate by steelmaking slag-sediment microbial fuel cells	p.319
	C11-2-O	Tokyo University of Agriculture ○Touch Narong (in Japanese) Recovering valuable metal from waste using a rotating surface melting furnace Kubota Corporation ○Motohiro Sakamoto, Yuto Onuma, Shigenori Inoue	p.321
	C11-3-O	Challenges and Opportunities in Community-Based Waste Management:	
		A Case Study from Dadaprejo Village, Indonesia	p.323
	044 4 6	University of Miyazaki ○Satwika Desantina Muktiningsih, Tomoo Sekito, Yutaka Dote	- 005
	C11-4-O	Cow manure digestate treatment by microalgae cultivation in membrane raceway reactor system Hokkaido University OJumana Al-Mallahi, Hiroki Iwatsuki, Kazuei Ishii, Satoru Ochiai, Geun-Yong Ham	p.325

		AS OI September 4,	, 2024
	C11-5-O	(in Japanese) Poly(vinyl chloride) as a Chlorinating Agent for Metal Recovery Tohoku University OKazuki Fujiwara, Shogo Kumagai, Yuko Saito,	p.327
	C11-6-O	National Institute of Technology, Sendai College Shunsuke Kuzuhara, Tohoku University Toshiaki Yoshioka (in Japanese) Dechlorinate from incinerated ash of municipal waste The University of Kitakyushu OKiichi Yasunaga, Hitoshi Ohya,	p.329
Postar?	C11-7-P	Maruya Corporation Kenichi Yamazaki, Masanori Tanaka Absorption Characteristics and Rheological Properties of Quaternized Polyamine-based	
1 031012	011-7-1	Deep Eutectic Solvents for High Performance CO ₂ Capture	p.331
	(Chungbuk National University ODongyun Choi, Jihun Ju, Princeton University Yunsung Yoo, Robert Eduard Franzoi,	•
Poster1	C11-8-P	Chungbuk National University Dongwoo Kang (in Japanese) Sonogashira coupling reaction catalyzed under green conditions assuming	
1 03(0) 1	011-0-1	the use of recycled palladium from waste automobile catalysts	p.333
	044.0.5	Kanagawa University OKatsuya Kaikake, Asuma Shingo, Ren-Hua Jin	005
Poster2	C11-9-P	(in Japanese) Estimation of Metal Recovery Potential from Waste Thermal Treatment Residues University of Miyazaki ○Michito Fukuda, Tomoo Sekito, Kubota Corporation Shigenori Inoue,	p.335
		National Institute for Environmental Studies Hirofumi Sakanakura	
Poster1	C11-10-P	Recovery of acid and base from waste sodium sulfate in spent lithium ion battery recycling	
		via redox-mediated electrodialysis assisted by bipolar membrane	p.337
Poster2	C11-11-P	Kongju National University ○Hyunjin Kim, Minhui Kim, Gamin Kim, Choonsoo Kim Strategy for Scaling-Up and Optimizing Redox-Mediated Electrodialysis in Water Desalination	p.339
1 001012		Kongju National University Ogamin Kim, Hyunjin Kim, Minhui Kim, Choonsoo Kim	p.000
Poster1	C11-12-P	(in Japanese) Study on quantification of physical work loads to reduce fatigue in waste	0.4.4
		hand-sorting processes **Hokkaido University** OSatoru Ochiai, Hiraku Mori, Geun-Yong Ham, Kazuei Ishii,	p.341
		National Institute for Environmental Studies Masato Yamada	
D1 Inc	ineration	Sept 9 (Mon) 15:15–16:30 Venue#1 (Room201)]	
יות וכ	illei atioi	Chair : Masaki Takaoka (Kyoto University) Co-chair : In-Hee Hwang (Hokkaido Uni	versity)
	D1-1-O	(in Japanese) By-product behavior of perfluorooctanoic acid (PFOA) and perfluorooctadecanoic	
	D1-1-0	acid (PFOcDA) by incineration	p.343
		Ryukoku University OTaichi Murakami, Takashi Fujimori,	
	D1-2-O	National Institute for Environmental Studies Hidenori Matsukami CFD simulation of NO _X emission in vertical type waste incinerator under the condition of	
	D 1-2-O	CO_2/O_2 combustion and N_2/O_2 combustion	p.345
		Hokkaido University ○Ahmed Esaa, In-Hee Hwang, Yasumasa Tojo, Takayuki Matsuo, Plantec Kengo Matsuda	
	D1-3-O	(in Japanese) The development of the advanced automatnomous oparation system for the	n 247
		optimal management of waste to energy plants Mitsubishi Heavy Industries Environmental & Chemical Engineering OArata Yanagisawa, Wataru Suzuki,	p.347
		Daisuke Chiba, Yoshinori Terasawa	
	D1-4-O	(in Japanese) Reduction of steam volume fluctuation by control based on prediction using machine	0.40
		learning Kobelco Eco-Solutions ○Ayato Shibazaki, Hiroki Fukukawa, Kei Watanabe,	p.349
		Katsuyoshi Tanida, Nobuhiro Okuzumi	
	D1-5-O	(in Japanese) Development of technology to convert CO ₂ into solid carbon	p.351
Poster1	D1 6 D	Takuma ○Yo Agata, Kazuhiro Sato, Takahiro Masuda (in Japanese) Comparison of NO _X emission behavior for air- and oxyfuel- combustion of solid	
Posteri	D1-0-P	waste in a vertical combustor	p.353
		<i>Hokkaido University</i> ⊙In-Hee Hwang, Yuki Ogaya, Ahmed Esaa, Yasumasa Tojo, Takayuki Matsuo,	
Poster2	D1 7 D	Plantec Kengo Masuda	
Posterz	D1-7-P	(in Japanese) Effect of high concentration of CO ₂ in waste Incineration flue gas on HCl and SOx removal rate	p.355
		Hokkaido University ○Tsubasa Shuto, In-Hee Hwang, Yasumasa Tojo, Takayuki Matsuo	
D2 Pv	rolygia/ C	Carbonization/ Configation/ Molting Fourt 0 (Nov.) 42:20 45:00 Variation (Page 204)	
DZ PY	rorysis/ C	Carbonization/ Gasification/ Melting [Sept 9 (Mon) 13:30-15:00 Venue#1 (Room201)] Chair: Takahiro Masuda (Takuma) Co-chair: Masahiro Tozaki (Takuma)	akuma)
	D2-1-O	(in Japanese) Study on the suppression of tar formation in pyrolysis gasification of biomass in	,
	D2-1-O	municipal solid waste	p.357
		Kyoto University ○Koki Minakuchi, Hiroki Harada, Masaki Takaoka	
	D2-2-O	(in Japanese) Basic research on the possibility of melting waste using non-generating solar energy Kyushu University Yosuke Tsuru, OTeppei Komiya,	p.359
		Kyushu Environmental Evaluation Association Takayuki Shimaoka	
	D2-3-O	(in Japanese) Development of high-performance carbonization equipment and utilization of	
		carbonized materials using various biomass	p.361
	D2-4-O	Nagasaki University ○Kiyoshi Omine (in Japanese) Oxidation Behavior of a SiC Refractory by CO ₂ and CO in a Waste Treating	
	U	Furnace	p.363
		<i>Nippon Steel Engineering</i> ○Tatsuki Ichikawa, Hideyuki Tsuda, Shiro Komiya, Yusuke Tomozoe, Shunsuke Kihara, Kazuteru Kawata	

		As of September 4,	, 2024
	D2-5-O	(in Japanese) Development of the Surface Melting Furnace Technology by Using Fuel Made from	
		Waste Plastics Difficult to Recycle as Materials *Kubota Corporation** OKeisuke Fujiwara, Yasumasa Hirato, Keisuke Akasaka, Shoichi Otaki,	p.365
		Shinji Okaichi, Fumiki Hosho, Shigenori Inoue	
	D2-6-O	(in Japanese) Application of Biomass Coke to Direct Melting System (Waste Gasification System)	p.367
		<i>Nippon Steel Engineering</i> ○Takaaki Nagano, Kazuki Matsui, Naomichi Fukuda, Tomo Kashiwabara, Junichi Takada, Toru Izumiya	
Poster1	D2-7-P	(in Japanese) Study of Variation in Fixed Carbon Measurements in Biochar	p.369
		Fujita OShota Masaki, Hiroshi Kubota, Yoichiro Murakami, Koga Shigeizumi	-
Poster2	D2-8-P	(in Japanese) Characterization of char derived from solid wastes with CO ₂ as career gas	p.371
Poster1	D2-9-P	Hokkaido University OKotaro Iwasaki, In-Hee Hwang, Yasumasa Tojo, Takayuki Matsuo Gasification Characteristics of Biochar and Hydrochar Derived from Waste Mushroom Media	
. 00:0: :	<i>52</i> 0 .	in Three Types of Carbonization Reactors	p.373
		Mokpo National University ○Daegi Kim, Jaejin Choi, SunYoung Woo	
Poster2	D2-10-P	Pyrolysis Characteristics of Mixed Waste Plastics in Fluidized Bed Reactor *Kongju National University* OHyeong tak Ko, Myeong Jong Lee, Sea cheon Oh	p.375
		Kongju National University Officeng tak Ko, Miyeong Jong Lee, Sea cheon On	
D3 Ga	s treaten	nent and monitoring [Sept 9 (Mon) 9:30–10:45 Venue#1 (Room201)]	
		Chair : Takayuki Ihara (Ebara Environmental Plant) Co-chair : Yoshihiro Ono (Nippon Steel Engin	eering)
	D3-1-O	(in Japanese) New Dry-type Exhaust Gas Treatment Using Layered Double Hydroxide (Report 2)	p.377
		Kurita Water Industries OKoichi Mori, Satoshi Fujita,	
		<i>JFE Engineering Corporation</i> Hiroshi Yamamoto, Hajime Fukai, <i>Tohoku University</i> Tomohito Kameda, Toshiaki Yoshioka	
	D3-2-O	(in Japanese) The Agriculture Utilization of CO ₂ from Waste Treatment Facility	p.379
	D0 0 0	Takuma OJunki Okabe, Shigetoshi Takahashi, Muneharu Fujikawa, Kazuhiro Sato, Takahiro Masuda	004
	D3-3-O	(in Japanese) Small-scale CO₂ capture test from waste incineration facility exhaust gas DOWA Eco-System ○Kinari Yokote, Yoshinori Morita, Ryoei Watanabe	p.381
	D3-4-O	(in Japanese) Conversion of CO ₂ to ethylene urea using cerium hydroxide and zirconium hydroxide	p.383
		Tohoku University 🔾 Yota Kunii, Rahman Farzana, Tomohito Kameda, Yuko Saito,	•
	D3-5-O	Shogo Kumagai, Toshiaki Yoshioka (in Japanese) Effect of concentration and particle size of Mg-Al layered double hydroxides	
	D3-3-O	intercalated CO ₃ ²⁻ on HCl removal	p.385
		Tohoku University OSayaka Nishitani, Tomohito Kameda, Shogo Kumagai, Yuko Saito,	
		Kurita Water Industries Koichi Mori, Satoshi Fujita, JFE Engineering Corporation Hiroshi Yamamoto, Hajime Fukai, Tohoku University Toshiaki Yoshioka	
		JPE Engineering Corporation Fili Oshi Talilaliloto, Flajilile Pukal, Tolloku Uliversity Toshilaki Toshiloka	
D4 As	h/ Power	generation/ Heat utilization [Sept 9 (Mon) 11:00-12:15 Venue#1 (Room201)]	
		Chair : Takashi Nagayama (Kubota) Co-chair : Jun Fujita (Kobelco Eco-So	lutions)
	D4-1-O	(in Japanese) Prediction Method for Boiler Heat Transfer Tube Thinning Using Combined Physical	
		and Statistical Modeling Ebara Environmental Plant ONaoki Kamiyama, Kei Matsuoka, Masahisa Tamura, So Murasue,	p.387
		Ebara Corporation Manabu Noguchi, Tokyo Institute of Technology Kenji Amaya	
	D4-2-O	(in Japanese) Impacts of COVID-19 on WtE power production performances in Tokyo Special Ward	
		District OYasuo Shino	p.389
	D4-3-O	(in Japanese) Study on the suppression of hydrogen generation by actual incineration ash	
		containing aluminum and water	p.391
		Japan Aerospace Exploration Agency OHideyuki Onodera, Muroran Institute of Technology Ryoji Imai,	
	D4-4-O	Hitachi Zosen Corporation Hirotaka Narimo, Yuma Suzuki (in Japanese) Scenario analysis on the utilization of heat from a large-scale municipal solid waste	
		incinerator for an industrial facility	p.393
		Ritsumeikan University ○Gaku Nakagawa,	
	D4-5-O	National Institute for Environmental Studies Satoshi Onishi, Minoru Fujii, Ritsumeikan University Seiji Hashimoto (in Japanese) Mechanism of ash deposition in industrial waste treatment furnaces and its control	p.395
	2.00	Nagoya University ○Daiki Nii, Toyoko Demachi, Yasuaki Ueki, Ichiro Naruse, Gifu University Ryo Yoshiie	p.000
Poster2	D4-6-P	(in Japanese) Analysis of the migration kinetics of unintentionally generated 1,4-dioxane in the	007
		environment at waste incineration plants and investigation of Activated Slaked Lime Kyoto Institute of Technology OKako Shinohara, Haruhisa Shiomi, Setsu Sho, Yasuro Fuse	p.397
Poster1	D4-7-P	(in Japanese) Evaluation of long-term stability of carbonates in woody biomass ash treated with	
		carbonation	p.399
Poster2	D4-8-D	Fujita OKoga Shigeizumi, Hiroshi Kubota, Haruna Kochi, Shota Masaki, Nihon University Kazunori Nakano (in Japanese) Acid Digestion Methods for Extracting 44 Elements from Thermal Residues	
. 031512	₽ - -0-1	Including Incineration Ash, Slag, and Metals	p.401
		National Institute for Environmental Studies ○Yueyuan Zhao,	•
		Kubota Corporation Ryosuke Mandokoro, Yoichi limuro, National Institute for Environmental Studies Hirofumi Sakanakura	
		reactional institute for Environmental statutes fill official dandlicated	

E1 Str	ucture o	of landfill site/ Sea area disposal [Sept	9 (Mon) 9:30–10:30 Venue#2 (Room202)	
			Chair : Kentaro Miyawaki (Meisei Univers	
		Co-chair : Hirokazu Tanaka (Fuk	ui Prefectural Institute of Public Health and Environmental Scier	ice)
	E1-1-0	(in Japanese) Impact of flue gas demineralizers landfill sites		403
		· · · · · · · · · · · · · · · · · · ·	ingJie Yu, Kazuo Tameda, JiaXing Liu, Mikiji Shigematsu, Environmental Technical Support Network Sotaro Higuchi	
	E1-2-0		Properties Due to pH Neutralization of Organic	405
	E1-3-O		ma, Hirokazu Toshimi, Satoshi Mizutani, Yoshinori Kanjo	
	L1-0-0	pipes 2		407
	E1-4-0	(in Japanese) Development of a Waterproof Sh Waterproof Sheets in Drainage Pipes for Leach	eet Joint Inspection Method for Penetrations of	409
Poster2	E1-5-P	(in Japanese) Investigation of the causative submarine final disposal sites	ostances of persistent COD in leachate from	411
Poster1	E1-6-P	Aichi Seaside Environment Cente (in Japanese) Construction of clay liners by blo	er OKen Watanabe, Makoto Iwakawa, Hidemasa Ishihara ck placement made the bentonite-sand mixtures	
			su, Kaoru Kudo, Mitsunobu Okihara, Takanobu Sakamoto	413
Poster2	E1-7-P	Part 2 (Block placement test)	•	415
		Shimizu Coprpotration ○Kaoru Kudo, Is	amu Norimatsu, Mitsunobu Okihara, Takanobu Sakamoto	
			//on) 11:00–12:00 Venue#2 (Room202) : Hiroyuki Ishimori (National Institute for Environmental Stud	lies)
	E2-1-O	(in Japanese) An application example of the sta	ability judge by ionic ratios of stagnant water in	
		venting tubes Fukui Prefectural Institute of Public	ρ. <i>e</i> C Health and Environmental Science ○Hirokazu Tanaka,	417
			tute of Health and Environmental Sciences Takaoki Koga,	
		· -	ulture and Fisheries, Osaka Prefecture Yoshinori Yabuki, refectural Institute of Health and Environment Gou Inoue,	
			al Institute of Environmental Sciences Akihiro Nakagoshi,	
		· -	dublic Health and Environmental Science Shoichi Ishikawa,	
			for Environmental Science in Saitama Masanao Nagamori,	
			Consumers Affairs, Tottori Prefecture Tomohiro Naruoka,	
	E2 2 O		Studies Tomonori Ishigaki, Kazuto Endo, Masato Yamada	/ 10
	E2-2-O	(in Japanese) Final Disposal Sites for Radioact	Senshu University OLila Okamura	419
	E2-3-O	(in Japanese) Investigation of gas emission and	d gas composition at difference depths in the gas	
		ventilation pipes at a waste landfill site		421
			Environmental Science in Saitama OMasanao Nagamori, octural Environmental Research Center Masaaki Morisaki,	
			Consumers Affairs, Tottori Prefecture Tomohiro Naruoka,	
			Center of Tottori Prefecture Akihiro Mori, Sasami Masai,	
			Muroran Institute of Technology Hideki Yoshida,	
			Environmental Studies Tomonori Ishigaki, Masato Yamada	
	E2-4-O	(in Japanese) Determination of Cl ⁻ at the mg/L l		423
Poster1	E2-5-P	(in Japanese) Study on the explore for water ch		405
			nter for Environmental Science in Saitama OYugo Isobe,	425
Poster2	F2-6-P	(in Japanese) Environmental release of micropl	onal Institute for Environmental Studies Hiroyuki Ishimori	
1 001012	LL 0 1	waste management processes using a plastic r		427
			nmental Studies OTomonori Ishigaki, Panida Payomthip,	
			Hokkaido University Geun-Yong Ham,	
Doctor4	E2 7 D		I Studies Rokuta Inaba, Masato Yamada, Masahiro Osako	
Poster1	C2-1-P	(in Japanese) Experiments to Confirm the Effect Incombustible Shredded Waste (Ver2)		429
			ب Kazuo Tameda, Shoji Takakura, LingJie Yu, Kouji Tanida,	3
			Environmental Technical Support Network Sotaro Higuchi	

E3 Lea	achate/	Landfill gas [Sept 10 (Tue) 9:00-10:30 Venue#1 (Room201)]	
		Chair : Osamu Hirata (Fukuoka University) Co-chair : Yugo Isobe (Center for Environmental Science in S	aitama)
	E3-1-O	Utilization of the mass curve technique to determine leachate pond capacity - Case study of the Baruni Landfill in Port Moresby, Papua New Guinea Toyo University OAukleya Walter, Hidetoshi Kitawaki	p.431
	E3-2-O	(in Japanese) Experimental Confirmation of the Rainwater Infiltration Suppression Effect of Alternative Cover Materials (Part 2)	p.433
		Yoshiura ○Houliang Yan, Sei Inoue, Hiroki Hidaka, Hiroki Kubo, <i>Fuji Clean</i> Kenji Nagao, Shigetoshi Ikeda, Fukuoka University Kazuo Tameda	p
	E3-3-O	(in Japanese) Treatment of pound water at a sea surface landfill site by electrolysis Fukuoka University ○JiaXing Liu, LingJie Yu, Kazuo Tameda,	p.435
	E3-4-O	NPO Environmental Technical Support Network Sotaro Higuchi (in Japanese) Estimation of adsorption parameters for design of horizontal permeable reactive	
	5 0 5 0	barrier (HPRB) in landfill Center for Environmental Science in Saitama OKazuyuki Suzuki, Tohoku University Hiroshi Suito	p.437
	E3-5-O	(in Japanese) Future leachate treatment systems NPO Environmental Technical Support Network OSotaro Higuchi (In Japanese) Future leachate treatment systems	p.439
	E3-6-O	(in Japanese) Degradation Treatment of PFOA in Landfill Leachate by Electrochemical Oxidation using Insoluble Electrodes	p.441
		Kobe University ○Gen Yoshida, Research Institute of Environment, Agriculture and Fisheries, Osaka Prefecture Yoshinori Yabuki, Junko Ono, Yuto Ido, Arisa Banno, Akihiro Hara, Kobe University Ikko Ihara	
Poster1	E3-7-P	(in Japanese) Evaluation of pore structure and infiltration behavior in waste layers consisting of incombustible residue or incineration ash using X-ray CT analysis	p.443
		National Institute for Environmental Studies ○Hiroyuki Ishimori, Center for Environmental Science in Saitama Yugo Isobe, National Institute for Environmental Studies Tomonori Ishigaki, Masato Yamada	
Poster2	E3-8-P	(in Japanese) Prediction of change in calcium concentration in leachate using calcium leaching scenarios	p.445
Poster1	E3-9-P	University of Miyazaki ○Yutaka Dote, Tomoo Sekito (in Japanese) Example of measurement of landfill gas concentration distribution and generation	4.4-
Doctor?	E3-10-P	at a final waste disposal site **Muroran Institute of Technology** OSota Kudo, Hideki Yoshida **Line Innances** Study on poutrolization of inciparation ash lover uning highly discolved corpon	p.447
Posterz	E3-10-F	(in Japanese) Study on neutralization of incineration ash layer using highly dissolved carbon dioxide solution (Part 3) Meisei University OKentaro Miyawaki, Haruyuki Fukai, Ayana Matsumoto	p.449
Poster1	E3-11-P		p.451
Poster2	E3-12-P	Hokkaido University Satoru Ochiai, Kazuei Ishii, National Institute for Environmental Studies Masato Yamada Preliminary Insights into Emissions of Nitrous Oxide Correlated with Methane from Waste Landfills	p.453
		National Institute for Environmental Studies ○Panida Payomthip, Tomonori Ishigaki, Kanami Nagamoto, Masato Yamada	
E4 Elu		harmful substances [Sept 10 (Tue) 10:45–12:00 Venue#1 (Room201)]	ivozaki)
		: Tomonori Ishigaki (National Institute for Environmental Studies) Co-chair : Tomoo Sekito (University of M	,
	E4-1-O	(in Japanese) Evaluation of Adsorption for PFCAs and PFSAs on Incinerated Fly Ash by Batch Test Osaka Metropolitan University Oyusuke Yamauchi, Satoshi Mizutani,	p.455
	E4-2-O	Research Institute of Environment, Agriculture and Fisheries, Osaka Prefecture Junko Ono, Koji Ito, Rina Adachi, Yoshinori Yabuki	n 157
	_	(in Japanese) Contents Analysis of PFCAs and PFSAs in Incineration Fly Ash City University (Currently: Kyoto University) ○ Akane Shimatani, Osaka Metropolitan University Satoshi Mizutani, Research Institute of Environment, Agriculture and Fisheries, Osaka Prefecture Rina Adachi, Junko Ono,	p.457
		Osaka Metropolitan University Koji Ito, Research Institute of Environment, Agriculture and Fisheries, Osaka Prefecture Yoshinori Yabuki	
	E4-3-O	(in Japanese) Study on Oxidation-Reduction Condition of the Leachate of Fly Ash from Thermal Treatment	p.459
	E4-4-0	Osaka Metropolitan University OHayate Kato, Satoshi Mizutani (in Japanese) Mercury Leaching Behavior from Sulfurized and Solidified Waste Mercury under Alkaline Condition	p.461
	E4-5-O	Osaka Institute of Technology OYuji Nishimura, Taketoshi Kusakabe, Kyoto University Masaki Takaoka (in Japanese) Scale formation and stabilization of heavy metal in landfill waste layer	p.463
Poster1		Fukuoka University OAyako Tanaka, Yachiyo Engineering Naoyuki Kajiwara, Fukuoka University Osamu Hirata (in Japanese) Verification of the effect of reducing chelating agents by treating incineration fly ash	
		with carbonation Fujita ○Haruna Kochi, Hiroshi Kubota, Koga Shigeizumi, Shota Masaki, Fuji Clean Shigetoshi Ikeda, Yasuyuki Kawai, Yoshikazu Nagao, Mitsuhiro Inoue, National Institute for Environmental Studies Hirofinni Sakanakura	p.465

Poster2	E4-7-P	(in Japanese) Scale Formation and Heavy Metal Sabilization in waste layer of landfill, part 2	p.467
Poster1	F4-8-P	Fukuoka University ○Osamu Hirata, Yachiyo Engineering Naoyuki Kajiwara, Fukuoka University Ayako Tanaka (in Japanese) Consideration on As(III) adsorption behavior in combined addition of Mg-based and	
. 001011	2.0.	Ca-based adsorbents based on adsorption isotherms and XRD analysis	p.469
		National Institute of Advanced Industrial Science and Technology OHajime Sugita, Kazuya Morimoto,	•
	E40 B	Takeshi Saito, Junko Hara	
Poster2	E4-9-P	(in Japanese) Application of Bacterial Flora Analysis as a Method for Assessing Water Quality	n 171
		Impact of Leachate Leakage from Waste Disposal Sites on Groundwater and Surface Water CTI Engineering OTakuya Wada, Tadashi Yuasa,	p.471
		Environmental Research & Solutions Takafumi Mizuno, Yuka Munakata	
F1 Ha	rmful sub	ostances (asbestos, RI, PCB) and analysis [Sept 9 (Mon) 13:30–15:00 Venue#3 (Room303)]	
		Chair : Takashi Yamamoto (National Institute for Environmental	,
		Co-chair : Hideyuki Mongi (Tottori University of Environmental	Studies)
	F1-1-O	(in Japanese) Detection of Amosite of the Building Materials Wasted duirng Disater and Demolition by Staining Dyes	p.473
		Saga University OMasaaki Tabata, Ryota Haraguchi, Mitsunori Yada, Mizuki Nishiguchi	•
	F1-2-O	(in Japanese) Mechanism of cement hydration inhibition by zinc and accelerating hardening by sodium aluminate analyzed by XRD	p.475
		National Institute for Environmental Studies OKazuo Yamada, Hokkaido University Tsuneki Ichikawa,	
		National Institute for Environmental Studies Hiroyuki Arai,	
	F1-3-O	Hokkaido University Takahito Yasukochi, National Institute for Environmental Studies Kazuto Endo (in Japanese) Example of Cement Solidification and Compounding of Incinerated Fly Ash	
	F 1-3-O	Containing Radioactive Cesium	p.477
		Oyo Corporation OShougo Shimamura, Yotsuo Kamidozono, Akira Miyata, Susumu Kondo,	ρ
		Okumura Corporation Takahiro Saitoh, Youhei Hamaya, Ministry of the Environment Satoshi Ogawa,	
		National Institute for Environmental Studies Kazuto Endo	
	F1-4-O	(in Japanese) Study on Advanced Volume Reduction Focusing on Fly Ash Washing solution of	
		Decontamination Wastes, etc. ~Comparison of Column and Batch Tests on Copper Ferrocyanide~	p.479
		National Institute for Environmental Studies, Fukushima Regional Collaborative Research Center OYuhei Tanaka,	p. 17 0
		Hiroyuki Arai, Kazuo Yamada, Kazuto Endo	
	F1-5-O	(in Japanese) Monitoring of airborne PCB concentrations during the on-site dismantling of	
		PCB-containing waste Kyoto University ○Yasuhiro Hirai, Junichiro Koshiba, Shimadzu Techno-Research Nami Kimura, Naoki Iwata,	p.481
		JESCO Takashi Hirano, Hiroki Oki	
	F1-6-O	(in Japanese) Cs leaching from the cement or geopolymer solidified Cs adsorbed zeolite (natural mordenite)	p.483
		Hokkaido University ○Takahito Yasukochi, Yasumasa Tojo, In-Hee Hwang, Takayuki Matsuo,	p
		The University of Tokyo Kanako Toda,	
D = -4 = -4	E4 7 D	National Institute for Environmental Studies Kazuo Yamada, Kazuto Endo	405
Poster1	F1-/-P	(in Japanese) Development of HCI-Cl ₂ fractional quantification using improved fayance method Osaka Institute of Technology OMiyabi Shimazaki, Nobuhisa Watanabe	p.485
Poster2	F1-8-P	(in Japanese) Consideration of selenium concentration analysis in wash smoke drainage at	
		industrial waste incineration facilities	p.487
		Kureha Ecology Management Yukihiro Oooka, Youhei Kusano, Takuya Kitazawa, OHikaru Ishii	
Poster1	F1-9-P	(in Japanese) The effects of the leaching conditions of the leaching test (Environment Agency	n 100
		Notification No. 13) on the test results *Tottori University of Environmental Studies** OMomoha Tochitani, Hideyuki Mongi	p.489
Poster2	F1-10-P	(in Japanese) The investigation of PFAS extraction conditions from waste activated carbon	
		adsorbed PFAS (Part 2)	p.491
		Konoike Construction OToshihiro Hirao, Sho Oyama,	
Daataut	E4 44 D	Sogomizu Institute Tomoko Nakai, Takeshi Yonezawa, Tomohiro Takechi	
Posteri	F1-11-P	(in Japanese) Leaching behavior of crystalline phase from municipal solid waste incineration fly ash for various leaching test times	p.493
		Meiji University OHibiki Shirata, Rina Sekino, Yuya Koike	p. 4 33
Poster2	F1-12-P	(in Japanese) Evaluation of relationship between leaching behavior of heavy metals and chemical	
		state of crystalline phases in municipal solid waste incineration fly ash by pH dependency test	p.495
.	E4 40 E	Meiji University ORina Sekino, Hibiki Shirata, Rigaku Corporation Atsushi Ohbuchi, Meiji University Yuya Koike	
Poster1	F1-13-P	(in Japanese) Determination of lead in leachate from incinerator ash using microwave plasm	n 407
		atomic emission spectroscopy **Tottori University of Environmental Studies ○ Taichi Kondo, Hideyuki Mongi,** Tottori University of Environmental Studies ○ Taichi Kondo, Hideyuki Mongi,**	p.497
		Tottori Prefecture Office Tomohiro Naruoka	
Poster2	F1-14-P	(in Japanese) Regarding measures for disaster waste, etc. in large-scale apartment buildings	p.499
	Nai	<i>tional Graduate Institute for Policy Studies</i> () Keisuke Takemoto, Koji Katavama, Tetsuo Murota, Shinji Yamaguchi	

【Sept 9 (Mon) 15:15-16:45 Venue#3 (Room303)】

		Chair : Hidenori Matsukami (National Institute for Environmental Co-chair : Satoshi Mizutani (Osaka Metropolitan Ur	
	F2-1-O	(in Japanese) Contribution of filter media and biological processes (plants · microorganisms) in	
		the removal of PFAS by the planting units	p.501
	F2-2-O	National Institute for Environmental Studies OYuka Ogata, Hidenori Matsukami, Hiroyuki Ishimori	n E02
	F2-2-U	(in Japanese) The Interaction Between Heavy Metals and Microplastics in Aqueous Solutions Kyoto University ○Junyeong Yoo, Masaaki Nomura, Kazuyuki Oshita, Masaki Takaoka, Sylwia Oleszek	p.503
	F2-3-O	(in Japanese) Estimation of the environmental emissions of neutral PFAS and analysis of their	
		mass flows at a solid recovered fuel facility	p.505
		National Institute for Environmental Studies OHidetoshi Kuramochi, The University of Tokyo Isamu Kuribara,	
	50.4.0	National Institute for Environmental Studies Toshiyuki Motoki, Hidenori Matsukami	
	F2-4-O	(in Japanese) Application of iminodiacetic acid chelating resin as a pretreatment for	n 507
		diphenylcarbazide absorptionmetry Osaka Metropolitan University Osatoshi Mizutani, Fumika Takaoka, Kanazawa University Hiroshi Hasegawa	p.507
	F2-5-O	(in Japanese) Identifying waste sources of per- and polyfluoroalkyl substances released during	
		the refuse-derived fuel production	p.509
		. National Institute for Environmental Studies ○Hidenori Matsukami,	·
		Yokohama National University Junki Saito, Mahito Ozawa,	
		National Institute for Environmental Studies Toshiyuki Motoki, The University of Tokyo Isamu Kuribara,	
	F2-6-O	Yokohama National University Yuichi Miyake, National Institute for Environmental Studies Hidetoshi Kuramochi (in Japanese) Evaluation of neutral PFAS concentrations in air at a waste recycling facility using	
	F2-0-U	a passive air sampler	p.511
		The University of Tokyo Olsamu Kuribara,	p.011
		National Institute for Environmental Studies Toshiyuki Motoki, Hidenori Matsukami, Hidetoshi Kuramochi	
Poster1	F2-7-P	(in Japanese) The mechanism of volatilization of gaseous mercury at wet scrubber	p.513
		Osaka City Research Center of Environmental Science OAkito Takakura,	
Dootor	F2 0 D	Osaka Institute of Technology Yudai Ikemoto, Shota Ide, Nobuhisa Watanabe	
Poster2	FZ-0-P	(in Japanese) Relationship between PFAS removal rate by activated carbon treatment and water quality and operational factors in leachate treatment plants	p.515
		Research Institute of Environment, Agriculture and Fisheries, Osaka Prefecture OYoshinori Yabuki, Junko Ono,	p.515
		Rina Adachi, Arisa Banno, Akihiro Hara, Koji Ito,	
		Kobe University Gen Yoshida, National Institute for Environmental Studies Kazuto Endo, Hidenori Matsukami	
Poster1	F2-9-P	(in Japanese) Estimation of disposal flow analysis of per- and polyfluoroalkyl substances (PFAS)	
		in oil resistant paper	p.517
Postor?	F2-10-P	Kyoto University ○Junichiro Koshiba, Akane Shimatani, Yasuhiro Hirai (in Japanese) Extraction Conditions of PFCAs and PFSAs in Incineration Fly Ash	p.519
FUSICIZ		City University (Currently: Kyoto University) Akane Shimatani, Osaka Metropolitan University Satoshi Mizutani,	p.519
	Обана С	Research Institute of Environment, Agriculture and Fisheries, Osaka Prefecture Rina Adachi, Junko Ono,	
		Osaka Metropolitan University Koji Ito,	
		Research Institute of Environment, Agriculture and Fisheries, Osaka Prefecture Yoshinori Yabuki	
Poster1	F2-11-P	(in Japanese) Estimating the emission behavior of neutral PFAS during thermal treatment of	504
		fluorinated water repellents using Pyro-GS/MS National Institute for Environmental Studies OHidetoshi Kuramochi, Toshiyuki Motoki,	p.521
		The University of Tokyo Isamu Kuribara,	
		National Institute for Environmental Studies Takuro Kobayashi, Hidenori Matsukami	
Poster2	F2-12-P	(in Japanese) Development of decomposition treatment technology for PFASs adsorbed on	
		powdered activated carbon using high-temperature superheated steam generated by hydrogen	
		combustion, part2	p.523
		Konoike Construction ○Sho Oyama, Takashi Matsuike, Takuo Nakashima, Toshihiro Hirao, Chugail Ro Noriyuki Myouga, Tomorou Kawano, Kensuke Adachi, Masahiro Yoshioka, Tomoya Ookubo	
Poster1	F2-13-P	(in Japanese) Surface state analysis of Municipal Solid Waste Incineration fly ash coated with	
1 03(01)	1 2-10-1	oleic acid water repellent	p.525
		Meiji University ○Shunsuke Hashizume, Rina Sekino, Hibiki Shirata, Taiga Kaseda, Takayuki Honda, Yuya Koike	,
Poster2	F2-14-P	(in Japanese) High concentration nitrification system for the recovery and detoxification of	
		ammonia gas and the accumulation of nitrate: a preliminary study	p.527
Doot4	C2 45 D	Nagasaki University OMitsuhiko Koyama, Arisa Horiuchi, Serika Uragami	
Poster1	F2-15-P	A Study on the Stabilization Effects of As-Contaminated Soil Treated with heavy metal stabilizer to reduce bioavailability; Using Bioconcentration Factors (BCFs)	p.529
	Uni	iversity of Seoul O Jeong-Hyeon Lee, Min-Ye Seo, Woo-Ri Cho, Hyewon Park, Young-Kwon Park, Jai-Young Lee	p.529
		, , , , , , , , , , , , , , , , , , ,	

F2 Hazardous substances (PFAS, heavy metals) and treatment