

英文プログラム

Timetables and Program



Schedule

Sunday 15, September

Room	Sunday 15, September					
	8:00-10:00	10:00-12:00	12:00-13:00	13:00-15:00	15:00-17:00	17:00-20:00
5533						F-1 17:30~19:30
5534					Career Symposium 15:00~17:00	F-2 17:30~19:30
6301	Cloakroom 10:00~17:30					
6302	Reception desk and information 10:00~18:00					
6309	Lounge 10:00~17:30					
6310	Headquarter					
6318	Exhibition booths 14:00~17:30					
6326	Exhibition booths 14:00~17:30					
6401		Business meeting 10:00~12:00	Business meeting 12:00~13:00			
6402	Lounge 10:00~17:30					
6405			Business meeting 12:00~13:00			
6410		Business meeting 10:00~12:00	Business meeting 12:00~14:00	Business meeting 14:00~17:00		F-3 17:30~19:30
6413			Business meeting 12:00~14:00			
6417			Business meeting 12:00~14:00			
6418		Business meeting 10:00~12:00	Business meeting 12:00~14:00			F-4 17:30~19:30
6426			Business meeting 12:00~14:00	Business meeting 14:00~15:30		Business meeting 17:15~19:45
6429			Business meeting 12:00~14:00	Business meeting 14:00~16:00		

Monday 16, September

Room	Monday 16, September					
	8:00-10:00	10:00-12:00	12:00-13:00	13:00-15:00	15:00-17:00	17:00-20:00
5533		F-5 9:30~11:30				
5534		Symposium I 9:00~12:00		General meeting 13:30-15:00	Award lectures 15:10~17:30	
6209	Poster setting 8:30~10:00	Poster session (10:00~17:00) Core time (12:00~13:00) ※Poster award target				
6210	Poster setting 8:30~10:00	Poster session (10:00~17:00) Core time (12:00~13:00) ※Poster award target				
6301	Cloakroom 8:30~17:30					
6302	Reception desk and information 8:30~17:00					
6309	Lounge 9:00~17:30					
6310	Headquarter					
6317	Poster setting 8:30~10:00	Poster session (10:00~17:00) Core time (12:00~13:00) ※Poster award target				
6318	Exhibition booths 9:00~17:30					
6325	Poster setting 8:30~10:00	Poster session (10:00~17:00) Core time (12:00~13:00) ※Poster award target				
6326	Exhibition booths 9:00~17:30					
6402	Lounge 9:00~17:30					
6410		F-6 9:30~11:30				
6418		F-7 9:30~11:30				
Co-op						Banquet 18:00~20:00

Tuesday 17, September

Room	Tuesday 17, September					
	8:00-10:00	10:00-12:00	12:00-13:00	13:00-15:00	15:00-17:00	17:00-20:00
5533		Oral presentations OA-01~09 8:45~11:00		F-8 13:00~15:00	F-11 15:15~17:15	F-14 17:30~19:30
5534		Oral presentations OB-01~11 8:45~11:30		Symposium II 13:00~16:00		F-15 17:30~19:30
6209		Poster session (9:00~17:00) Core time (11:30~12:30) ※Not poster award target				
6210		Poster session (9:00~17:00) Core time (11:30~12:30) ※Not poster award target				
6301		Cloakroom 8:30~17:30				
6302		Reception desk and information 8:30~17:00				
6309		Lounge 9:00~17:30				
6310		Headquarter				
6317		Poster session (9:00~17:00) Core time (11:30~12:30) ※Not poster award target				
6318		Exhibition booths 9:00~17:30				
6325		Poster session (9:00~17:00) Core time (11:30~12:30) ※Not poster award target				
6326		Exhibition booths 9:00~17:30				
6402		Lounge 9:00~17:30				
6410		Oral presentations OC-01~11 8:45~11:30		F-9 13:00~15:00	F-12 15:15~17:15	F-16 17:30~19:30
6418				F-10 13:00~15:00	F-13 15:15~17:15	F-17 17:30~19:30

Wednesday 18, September

Room	Wednesday 18, September				
	8:00-10:00	10:00-12:00	12:00-13:00	13:00-15:00	15:00-17:00
5533		Oral presentations OD-01~15 8:45~12:30			
5534		Oral presentations OE-01~16 8:45~12:45			
6209		Poster session 9:00~12:00			
6210		Poster session 9:00~12:00			
6301		Cloakroom 8:30~12:30			
6302		Reception desk and information 8:30~11:30			
6309		Lounge 9:00~12:00			
6310		Headquater			
6317		Poster session(9:00~17:00) Core time(11:30~12:30) ※Not poster award target			
6318		Exhibition booths 9:00~12:00			
6325		Poster session(9:00~ 17:00) Core time(11:30~12:30) ※Not poster award target			
6326		Exhibition booths 9:00~12:00			
6402		Lounge 9:00~12:00			
6410		Oral presentations OF-01~15 8:45~12:30			
6418		F-18 8:45~10:45	F-19 11:00~13:00		

Please remove your poster by 12:30. Posters may be disposed by the committee after 12:30.

Free meetings

Sep 15(Sun) 17:30~19:30 Room 5533

F-01

Recent developments in alien squirrel control (2)

○MASATOSHI YASUDA, Takuma Hashimoto

Sep 15(Sun) 17:30~19:30 Room 5534

F-02

Current situation and countermeasures of deer and wild boar intruding into the urban areas

○NORIKO TAMURA, Yukiko Matsuura, Tomoka Matsukane, Toru Koizumi

Sep 15(Sun) 17:30~19:30 Room 6410

F-03

Future perspective of evolutionary biology of cetaceans in Japan

○NAOKI KOHNO, Tatsuro Ando, Hitoshi Furusawa, Toshiyuki Kimura, Ayako Kawatani, Cheng-Hsiu Tsai

Sep 15(Sun) 17:30~19:30 Room 6418

F-04

Current status and challenges for the updated national distribution survey of three carnivore species: the raccoon dog, the red fox and the Japanese badger

○HIDEHARU TSUKADA, Masayuki Saito, Kanoko Mitsuoka

Sep 16(Mon) 9:30~11:30 Room 5533

F-05

Current status and future perspective of countermeasures of zoonosis intermediated by ticks

○HAYATO IJIMA, Yuya Watari

Sep 16(Mon) 9:30~11:30 Room 6418

F-07

Exploring the need for “management unit” of Japanese macaques

○HIROTO ENARI, Naoto Yamabata, Yamato Tsuji, Yoshiki Morimitsu, Hironori Seino, Katsuya Suzuki, Takeharu Uno, Masaaki Takiguchi, Kyoko Kobayashi

Sep 16(Mon) 9:30~11:30 Room 6410

F-08

Carnivore studies in urban areas, part 4: invasive species inhabiting urban areas

○YAYOI KANEKO, Yosuke Amaike, Sigeki Watanabe, Tomohiko Harada, Yosuke Fujimoto, Kaoru Suzuki

Sep 17(Tue) 13:00~15:00 Room 5533

F-06

Ecological studies of Japanese serow focusing on especially interspecific relationship with sika deer

○KONOKA AIBA, Hayato Takada, Mitsuko Hiruma, Asuka Yamashiro

Sep 17(Tue) 13:00~15:00 Room 6418

F-10

Issues in incidental capture of non-target animals: discussion among multiple species
Koji Yamazaki, ○CHINATSU KOZAKAI, Mami Kondo, Kosuke Nakagawa, Hifumi
Tsuruga, , Mammalogical Society of Japan the Working group for bear management

Sep 17(Tue) 13:00~15:00 Room 6410

F-12

Revealing the movement of large mammals from landscape ecology
○NAOKI OHNISHI, Chihiro Takahata

Sep 17(Tue) 15:15~17:15 Room 6410

F-09

How to use camera traps? Data management and analysis
○YOSHIHIRO NAKASHIMA

Sep 17(Tue) 15:15~17:15 Room 5533

F-11

Determinant factors for the deer impact on forest vegetation
○KANOKO TAKARABE, Hayato Iijima

Sep 17(Tue) 15:15~17:15 Room 6418

F-13

Sciuridae in urban area
○YUSHIN ASARI, Yu Takahata, Tatsuki Shimamoto

Sep 17(Tue) 17:30~19:30 Room 5533

F-14

Trends and challenges in population management of wild boar

○TAKEO KURIYAMA, Shun Takagi, Mayumi Yokoyama, Daishi Higashide, Tomonori Kawamoto, Hiroyuki Yokomizo, Masatsugu Suzuki, Emi Takeyama

Sep 17(Tue) 17:30~19:30 Room 5534

F-15

“A cat problem” and “problems surrounding a cat problem”

○YUYA WATARI

Sep 17(Tue) 17:30~19:30 Room 6410

F-16

School of the Morphology 16

○MEGU GUNJI, Masakazu Asahara, Hideki Endo

Sep 17(Tue) 17:30~19:30 Room 6418

F-17

A memory of Dr. Kimiyuki Tsuchiya who devoted his 50 years to Japanese mammals

○HITOSHI SUZUKI, Akio Shinohara, Masahiro Iijima, Toshio Tachibana

Sep 18(Wed) 8:45~10:45 Room 6418

F-18

Wildlife management in depopulating human society

○KOICHI KAJI, Masatsugu Suzuki, Mayumi Yokoyama, Izumi Washitani

Sep 18(Wed) 11:00~13:00 Room 6418

F-19

Ecology of rodents 2019

○SHINSUKE H. SAKAMOTO, Takuya Shimada, Takashi Saitoh, Kei Suzuki, Shota
Murakami, Takuma Hashimoto

Oral Session

Sep 17(Tue) 8:45~11:30 Room 5533

OA-01 8:45~9:00

Phylogeographic Study of Eurasian otter (*Lutra lutra*) in Lao PDR and surrounding countries

○DAISUKE WAKU, Liphone Nophaseud, Motokazu Ando, Hiroshi Sasaki, Bounthob Praxaysombath

OA-02 9:00~9:15

Interspecific Relationships between Asian small-clawed otter and Smooth-coated otter in Paddy Field of Perak State, Malaysia

○HIROSHI SASAKI, Takeshi Sekiguchi, Daisuke Waku, Akihiro Yamane, Shukor bin md nor, Badrul M. MD ZAIN, Pazil Abdul-Patah

OA-03 9:15~9:30

Dispersal behaviors and habitat selection of subadult Tsushima leopard cats

○NOZOMI NAKANISHI, MASAKO IZAWA, ICHIHITO YAMAMOTO, SHIZUKA KAGEURA, MAHO MUMAKURA

OA-04 9:30~9:45

Diet analysis of two top predators on Iriomotejima Island examined by DNA barcoding

○Alisa Tobe, Yukuto Sato, Nakatada Wachi, Nozomi Nakanishi, Masako Izawa

OA-05 9:45~10:00

Spatiotemporal partitioning among sympatric mesocarnivores in a mountainous forest area in central Bulgaria

○HIROSHI TSUNODA, Stanislava Peeva, Evgeniy Raichev, Yayoi Kaneko

OA-06 10:00~10:15

Genetic Diversity and Evolution of MHC Class II *DRB* gene in Japanese and Russian Raccoon Dogs, *Nyctereutes procyonoides*

○Aye Mee F. Bartocillo, Nishita Yoshinori, Alexei V. Abramov, Ryuichi Masuda

OA-07 10:15~10:30

Examination of the Second estrus of invasive alien raccoons using histological observation for ovaries

Masami Tomono, ○TAKUYA KATO, Kandai Doi, Hisashi Yoshimura, Masami Yamamoto, Shin-ichi Hayama

OA-08 10:30~10:45

Ingestion of anthelmintic bait by red foxes in a university campus

○KOHJI URAGUCHI, Toshio Tsubota

OA-09 10:45~11:00

Historical review of the introduction of the small Indian mongoose into Okinawa by

Shyozaburo Watase

○YUKIBUMI KANEKO

Sep 17(Tue) 8:45~11:30 Room 5534

OB-01 8:45~9:00

Forecast about efforts of smart wildlife management

○SHIGEKI HIRATA, KOHEI IWANAGA, NAOTO YAMABATA, MASAHIKO
TAKEUCHI

OB-02 9:00~9:15

Monitoring bite marks at the front line of an expanding sika deer population

○HIROSHI TAKAHASHI, Takuya Aikawa, Akihiko Nagaki

OB-03 9:15~9:30

Effects of landscape structure on vital rates of wild boar - A new approach using camera traps -

○GOTA YAJIMA, YOSHIHIRO NAKASHIMA

OB-04 9:30~9:45

From the block count method to the drone survey: deer censuses in Kinkazan Island, northeastern Japan

○Takehiko Y. Ito, Ayumi Okada, Naoko Higuchi, Masato Minami

OB-05 9:45~10:00

Examination of the necessity of deer culling based on the estimated deer density and impact on forests

○NOBUHIRO AKASHI, KAZUHIKO TERAZAWA

OB-06 10:00~10:15

The effects of the landscape structure on deer and forest animals ~ analysis by mathematical model~

○TOMOYA KANNO, Shigeo Yachi

OB-07 10:15~10:30

Differences in seasonal diel activity patterns of three ungulates in areas with different sika deer density.

○TAKASHI IKEDA, Satsuki Nakamori, Masaki Ando, Naotoshi Kuninaga, Takumi Shirakawa, Takuya Okamoto, Masatsugu Suzuki

OB-08 10:30~10:45

Evaluation of estimation performance in abundance estimation and prediction skill in spatial distribution for the North Pacific humpback whales

○KANAKO INAI, KOJI MATSUOKA, TOSHIHIDE KITAKADO

OB-09 10:45~11:00

Analysis of population dynamics for the Antarctic blue whale using state-space models.

○KOHEI HAMABE, Koji Matsuoka, Toshihide Kitakado

OB-10 11:00~11:15

Attempt of application of the management strategy evaluation to the Kuril harbor seals

○TOSHIHIDE KITAKADO, Mari Kobayashi

OB-11 11:15~11:30

Gut microbiome of baleen whale in the Antarctic and western North Pacific

○Kengo Umeda, Tsutomu Tamura, Yuki Muranishi

Sep 17(Tue) 8:45~11:30 Room 6410

OC-01 8:45~9:00

The relationship between home range size and body size in Japanese mammals.

○TAKASHI SAITOH

OC-02 9:00~9:15

A behavior pattern of Japanese mole, *Mogera wogura*, in its gallery system: estimating frequency and diurnal time of gallery patrol by camera-trapping method

○GENKI WATANABE, Hisashi Kazimura

OC-03 9:15~9:30

A new dental anomaly of *Urotrichus talpoides* (Talpidae, Eulipotyphla)

○SHINYA OKABE, Masaharu Motokawa

OC-04 9:30~9:45

アジアにおけるジャコウネズミの幾何学的形態測定法を用いた集団変異の研究

○JINGWEN SHI, Satoshi Ohdachi, Takahiro Yamagata, Yuchun Li, Masaharu Motokawa

OC-05 9:45~10:00

Comparative analysis of mitochondria genes for *Suncus murinus*

Fuka Kikuchi, Satoshi Ohdachi, Kimiyuki Tsuchiya, Masaharu Motokawa, Hitoshi Suzuki, Masamichi Jyogahara, Nguyen Truong Son, Saw Bawm, Thida Lay Thwe, Gamage D. Chandika, Taher Ghadirian, Hasmahzaiti Omar, Marie Claudine Ranoroso, Ibnu Maryanto, Keiko Taya-Tanaka, Motoi Suzuki, Shigeru Morikawa, Richard Yanagihara, ○ SATORU ARAI

OC-06 10:00~10:15

Mating behavior confirmed in Hilgendorf's tube-nosed bat's colony from winter to spring in the Doko-mabu tunnel of "Kuki-ginzan" old silver mine in Ohnan town, Shimane Prefecture.

○Seiya Ando, Kazushi Kuwabara, Yoshinori Ohno

OC-07 10:15~10:30

The migration of Japanese Large Noctule (*Nyctalus aviator*) and its wintering areas

○Yuichiro Nishizaki, Kazuhiko Machida, Yoshinobu Kawano, Kazuki Suda

OC-08 10:30~10:45

Peculiarity of Limb Development of Bats and Ecological Factor

○TARO NOJIRI, Werneburg Ingmar, Tu Tan Vuong, Dai Fukui, Takashi Saitoh, Hideki Endo, Daisuke Koyabu

OC-09 10:45~11:00

Skull Morphological Variation of Japanese *Rhinolophus ferrumequinum* Using Geometric Morphometrics

○YUGO IKEDA, MASA HARU MOTOKAWA

OC-10 11:00~11:15

A preliminary report on urinary sex steroid hormone analyses of hibernating greater horseshoe bats in Korea

○Heungjin Ryu, Kodzue Kinoshita, David A. Hill, Sungbae Joo, Sun-Sook Kim

OC-11 11:15~11:30

Considerable Geographical Variation of the Greater Tube-nosed Bat, *Murina hilgendorff* in Northeast Asia

○UMI MATSUSHITA, Tinglei Jiang, Hongshik Oh, Dai Fukui, Masaharu Motokawa

OD-01 8:45~9:00

Radio Wave Repeating for GPS Dog Track by Drone

○YUTAKA YOSHIDA, Kozi Kita, Norihiko Sano

OD-02 9:00~9:15

Individual identification for the African painted dog using image recognition software

○Kanakano Ake, Gregory S. A. Rasmussen, Yayoi Kaneko

OD-03 9:15~9:30

Reproductive age of Asian black bear (*Ursus thibetanus*) from parent-child relationship among research capture individuals

○SHINSUKE KOIKE, KAEDE TAKAYAMA, NAOKI OHNISHI, TOMOKO NAGANUMA, AKINO INAGAKI, KAHOKO TOCHIGI, NAOKI TAKEKOSHI, KOJI YAMAZAKI

OD-04 9:30~9:45

Asian black bear associations in the foothills of Central Japan Alps

○AKIKO TAKII, Akiko Hiyoshi, Toshiaki Yamamoto, Chihiro Takahata, Tomoki Mori, Shigeyuki Izumiyama

OD-05 9:45~10:00

Consideration of availability of the neck-mounted cameras to mating behavior on Asian black bears

○Mii Tanaka, Shiori Tezuka, Tomoko Naganuma, Akino Inagaki, Kahoko Tochigi, Hiroaki Myojo, Koji Yamazaki, Shinsuke Koike

OD-06 10:00~10:15

Evaluation of availability of neck-mounted cameras for foraging analysis on Asian black bears

○Shiori Tezuka, Mii Tanaka, Tomoko Naganuma, Akino Inagaki, Kahoko Tochigi, Hiroaki Myojo, Koji Yamazaki, Shinsuke Koike

OD-07 10:15~10:30

Dung beetles attracted to feces of wild Japanese macaques (*Macaca fuscata*)

○YAMATO TSUJI, Miki MATSUBARA, Toshiaki SHIRAIISHI, Kenta SAWADA

OD-08 10:30~10:45

Terrestrial party organization as a response to risky situations in bonobos and chimpanzees

○HIROYUKI TAKEMOTO

OD-09 10:45~11:00

Fossil records and evolutionary process of Boselaphini (Bovidae)

○YUICHIRO NISHIOKA

OD-10 11:00~11:15

Cave use by Japanese serow along Kurobe Gorge, eastern Toyama Prefecture, central Japan

○KENJI KASHIWAGI

OD-11 11:15~11:30

Biometric data and growth rates of wild boar population in Tochigi and Nagasaki prefectures

○YUUJI KODERA, Shigeki Hirata

OD-12 11:30~11:45

Environmental preference of wild boar(*Sus scrofa leucomystax*) in Hachioji city, Tokyo

○KARIN TAKAYAMA, Noriko Tamura, Toru Koizumi, Koji Yamazaki

OD-13 11:45~12:00

Which individual does become a sparring partner among sika deer ? ~Testing a hypothesis of assessing the fighting ability of a partner ~

○KENTO SUZUKI, Nobumasa Oonishi, Naoko Higuchi, Hideharu Tsukada, Masato Minami

OD-14 12:00~12:15

Present status of sika deer in the west of Tokyo.

○TORU KOIZUMI

OD-15 12:15~12:30

The migration and habitat use of sika deer in the area of the Southern Alps, Japan

○ZHAO-WEN JIANG, Takuo Nagaïke, Yousuke Mori, Lisa Hoshino, Yusaku Yamada, Yoshifumi Sugiura, Takayuki Seto

Sep 18(Wed) 8:45~13:00 Room 5534

OE-01 8:45~9:00

Distribution of the two mole species and soil hardness in the mountainous areas of Niigata Prefecture

Yumi Arisaka, Junji Moribe, Hiroaki Ishida, Tetsuya Ide, ○YASUSHI YOKOHATA

OE-02 9:00~9:15

Distributional Change of the Japanese Squirrel (*Sciurus lis*) in Chiba Prefecture, Central Japan 2001-2019.

○HITOHO YATAKE, Tstuyoshi Akita, Jun Furukawa

OE-03 9:15~9:30

Monitoring alien squirrel populations by bait method

○MASATOSHI YASUDA, Takeshi Morisawa, Yusuke Morita, Koichi Ueda

OE-04 9:30~9:45

Partial breache of reservoir embankment and Nutria. -A result brought about social change-

○SHUJI KOBAYASHI

OE-05 9:45~10:00

Environmental DNA collected from snow tracks is useful for identification of mammalian species

○GOHTA KINOSHITA, Satoru Yonezawa, Miho Naruse, Shota Murakami, Yuji Isagi

OE-06 10:00~10:15

A survey for the genetic population structure of the native species *Martes zibellina* and introduced species *M. melampus* in Hokkaido, Japan

○Miho Naruse, Takuma Sato, Shota Murakami, Hirofumi Hirakawa, Gohta Kinoshita

OE-07 10:15~10:30

Estimation of the body size of raccoons by vertical camera traps in Hayama, Kanagawa

○Kanta Saito, Yoshihiro Nakashima

OE-08 10:30~10:45

Estimate of the distribution expansion process of invasive alien mammals raccoon using the technique of the population genetics

○MIKI HIROSE, Kazuya Yoshida, Eiji Inoue, Masami Hasegawa

OE-09 10:45~11:00

Feasibility Study for Local Eradication of Invasive Raccoons

○TOHRU IKEDA, Akari Kobayashi, Takaaki Suzuki, Makoto Asano, Naotoshi Kuninaga

OE-10 11:00~11:15

Pair formation of hand-rearing raccoon dog in the wild

○Keisuke Miyamoto, Ryouyuke Takai, Takahiro Okano, Akinori Azumano, Hisashi Mastubayashi

OE-11 11:15~11:30

Evaluation of green belts as habitats of medium- and large-sized mammals in Kanazawa city area

○TORU OI, Shunta Ando

OE-12 11:30~11:45

Expansion of distribution and changes in gene diversity of the Japanese black bear local populations that avoided extinction.

○Yoshiki Morimitsu, Toru Oi, Seigo Sawada, Kousuke Nakagawa, Yoshi Kawamoto

OE-13 11:45~12:00

Human habituation, birthplace, and sex affect brown bear mortality in the Shiretoko National Park, Hokkaido, Japan

○MICHITO SHIMOZURU, Yuri Shirane, Masami Yamanaka, Masanao Nakanishi, Tsuyoshi Ishinazaka, Shinsuke Kasai, Takane Nose, Masataka Shirayanagi, Mina Jimbo, Hifumi Tsuruga, Tsutomu Mano, Toshio Tsubota

OE-14 12:00~12:15

A 15-year troop-based management study of Japanese macaques (*Macaca fuscata*) in Sendai, Miyagi Prefecture

○TAKEHARU UNO

OE-15 12:15~12:30

The selectivity of the overnight place before and after capture of Haseba-Troop in winter.

○MASAAKI KOGANEZAWA

OE-16 12:30~12:45

Conservation genetic study of Japanese serows in Nagano prefecture (Preliminary report)

○Yoshi Kawamoto, Tetsuji Itoh, Misako Kuroe, Ryosuke Kishimoto, Takahiro Miura, Konoka Aiba

Sep 18(Wed) 8:45~13:00 Room 6410

OF-01 8:45~9:00

Genetic diversity and natural history of four commensal rodents from Myanmar

○HITOSHI SUZUKI, San San Maung Maung Theint, Khin Myat Myat Zaw, Thidalay Thwe

OF-02 9:00~9:15

On the study of the wood mice to clarify the forest ecosystem ~DNA metabarcoding~

○JUN SATO

OF-03 9:15~9:30

Population fluctuations of two sympatric species of mice *Apodemus argenteus* and *A. speciosus* in Hokkaido: interspecific changes.

○KEISUKE NAKATA, Akira Unno

OF-04 9:30~9:45

Allometric shape change and modularity of the skull in the lesser ricefield rat, *Rattus losea* (Rodentia: Muridae)

○JADAB KUMAR BISWAS, Liang-Kong Lin, Hiroaki Saito, Masaharu Motokawa

OF-05 9:45~10:00

Morphometric variation of two *Mus* species from Japan

○Wai Min Thu, Takashi Yato, Masaharu Motokawa

OF-06 10:00~10:15

Comparative morphology on trident structure of baculum in Japanese Muroidea

○TAKASHI YATO, Masaharu Motokawa

OF-07 10:15~10:30

Characteristics of visual function in *Myocastor coypus* and the related species

○KODAI HIRAI, TAEKO MIYAZAKI, KOUICHI KAWAMURA, SHUJI KOBAYASHI

OF-08 10:30~10:45

Differences in sound characteristics and their ecological significance in seven species of *Callosciurus* (Sciuridae)

○NORIKO TAMURA, Phadet Boonkhaw, Budsabong Kanchanasaka

OF-09 10:45~11:00

Estimation of breeding areas of spotted seal by population genetics in mitochondrial DNA around Hokkaido, Japan

○MARI KOBAYASHI, NORIKO AZUMA, RENA NEGISHI

OF-10 11:00~11:15

The analysis of foraging behavior using underwater video in the wild Indo-Pacific bottlenose dolphin

○RIKIYA TAKAHASHI, MAI SAKAI, KAZUNOBU KOGI, TADAMICHI MORISAKA, HIROSHI OHIZUMI

OF-11 11:15~11:30

Core fecal microbiota of wild Indian Ocean bottlenose dolphins *Tursiops aduncus*

○Akihiko Suzuki, Koyuki Akuzawa, Kazunobu Kogi, Miwa Suzuki

OF-12 11:30~11:45

Sleeping behaviors of captive Commerson's dolphins (*Cephalorhynchus commersonii*)

○MAHO ARAKI, yayoi yoshida, junichi jingu, yusuke tanaka, mako Terasawa, yusuke sekiguchi, hisashi matubayashi

OF-13 11:45~12:00

Behavior of finless porpoises in sea area of Ushimado, Okayama Prefecture observed by the drone.

○Tomoki Wakamatsu, Kiyomi Nakamura, Masahiro Onozuka, Naoki Kamezaki

OF-14 12:00~12:15

Why do headings of male sperm whales show synchrony?

○MASAO AMANO, Hayao Kobayashi, Kagari Aoki, Aya Kouroggi, Shingo Minamikawa, Katsufumi Sato, Tsunemi Kubodera

OF-15 12:15~12:30

Tread-water feeding of Bryde's whales in Gulf of Thailand

○Takashi Iwata, Tomonari Akamatsu, Surasak Thogsukdee, Phaothep Cherdasukjai, Kanjana Adulyanukosol, Katsufumi Sato

Poster Session

Core Time: Sep 16(Mon) 12:00~13:00 (Applying for the award)
 Sep 17(Tue) 11:30~12:30 (Not applying for the award)

P-001

The current status of Japanese water shrews on Okayama Prefecture, Japan
Kazuki Shikata, ○ATSUSHI NAKAMOTO

P-002*

Evolutionary implication of coat color variation in subterranean moles
○Takeru Tsunoi, Mitsuki Noju, Takeshi Eto, Gouta Kinoshita, Masashi Harada, Hitoshi Suzuki

P-003*

Indices of the fossorial ability: forelimb morphology reflects the difference of how mammals dig
○Daichi Nakai, Shin-ichi Fujiwara

P-004*

A comparative study of the influence of the environmental changes in the genetic structure of native populations of moles and wood lice from Japan
○Airi Yoshikawa, Hitoshi Suzuki

P-005

Seasonal Changes of Cave-dwelling bats(*Chiroptera*) in Tenguyama-Cave, Kumamoto city, Japan
○TAKUJI SAKATA

P-006*

Communication calls of Ussurian tube-nosed bat *Murina ussuriensis* under experimental conditions
○KIMITAKE FUNAKOSHI, Ayami Nakamura, Saki Yamasita

P-007*

Home range and eating habits of the Bonin Flying-fox, *Pteropus pselaphon*.
○HAJIME SUZUKI, KAZUO HORIKOSHI, HARUMI HORIKOSHI, NAOKO SUZUKI, SORA HORIKOSHI, YOUSUKE AMEDA, TETSURO SASAKI

P-008*

Acoustic identification of three bat species(*E. japonensis*, *V. sinensis*, *N. aviator*) from Nagano prefecture.
○KYOUJI KOYANAGI

- P-009***
Tail hair arrangement of *Apodemus speciosus* and *A. argenteus*
○Yutaka Toyama, Masaharu Motokawa
- P-010***
A reevaluation of the hybrid zone between the chromosomal races of *Apodemus speciosus*
○Hikari Myoshu, Masahiro A. Iwasa
- P-011***
Estimation of reproduction progress of female *Apodemus speciosus* by vaginal openness
○Ryota Okada, Naomi Matumoto, Yasuhiro Tudoku, Shinsuke H. Sakamoto
- P-012***
Study of Cervical-Vaginal Mucus Protein of *Apodemus speciosus*
○Naomi Matsumoto, Ryota Okada, Shinsuke H Sakamoto, Yasuhiro Tsuzuki
- P-013***
A influence of the interglacial-gracial cycles on mammalian of sadogashima
○Takuro Yanase, hitosi suzuki, takeshi etou
- P-014***
Elucidation of coexistence mechanism of three rodent species representing Hokkaido
○Kana Watanabe, Takashi Saitoh, Jun J. Sato, Takuya Shimada
- P-015***
Preliminary study on relation between hoarding behavior of arboreal small mammals and masting
○NONOKA SUZUKI, Yasuhiro Utsumi, Tatsuo Oshida
- P-016**
Food habit analysis of the Ryukyu long-furred rat by DNA meta-barcoding
○SHUN KOBAYASHI, Yukuto Sato, Katsushi Nakata, Koji Ono, Manabu Onuma, Atsushi Haga, Ori Nakamura, Masako Izawa
- P-017***
Spatial and temporal aspects of the colonization of Eurasian house mice inferred from mitochondrial genome sequences
○Yue Li, Hitoshi Suzuki, Kazumichi Fujiwara, Naoki Osada, Yosuke Kawai, Toshihiko Shiroishi, Toyoyuki Takada, Naruya Saito
- P-018**
Comparison of sex differences in exploratory and spontaneous behavior of laboratory CD1 mice (*Mus musculus*)
○TOYOHITO TANAKA, Toshinari Suzuki, Akiko Inomata, Takako Moriyasu

P-019

The study for nerve mechanism of avoidance behavior from novel object in wild rat
○Ryoko Koizumi, Yasushi Kiyokawa, Kazuyuki Tanaka, Tsutomu Tanikawa, Yukari Takeuchi

P-020*

Which does the northern pika prefer, daytime or nighttime? : Analysis of environmental factors that influence its daily activities, based on the behavioral patterns
○AI YAMAGUCHI, TATSUO OSHIDA

P-021*

Preliminary study on resource utilization of Siberian flying squirrel (*Pteromys volans*) occurring in naturally regenerated forests on Hokkaido Island, Japan
○MIDORI YAMAGUCHI, Yasuhiro Utsumi, Tatsuo Oshida

P-022*

Evaluation of nest cavity use by Japanese flying squirrels with year-round observation
○HAYATO KIKUCHI, Shigeyuki Izumiyama, Tatsuo Oshida

P-023*

Response of the Japanese giant flying squirrel (*Petaurista leucogenys*)
○TOMOYOSHI TERADA, DAISUKE WAKU, HIROSHI OGAWA

P-024*

Food and foraging site selectivity of Japanese giant flying squirrels
○AKI SUGITA, Mayumi Shigeta, Noriko Tamura, Nobuyuki Kutsukake

P-025*

Validity of placing a nest box at a high place on a tree in the study of Japanese dormouse in Yamaguchi.
○Eri Murakami, Hiroshi Tanaka, Eiji Hosoi, Yui Osaki

P-026*

Analysis of voice patterns of nutria (*Myocastor coypus*)
○YUSUKE OKAYAMA, Risako Yukawa, koichi Kawamura, Taeko Miyazaki, Syuji Kobayasi

P-027*

Dietary preference test of coypu *Myocastor coypus* 2 -Preference for bivalves-
○Masaharu Tsuchimoto, Hinano Shinohara, koichi Kawamura, Taeko Miyazaki, Syuji Kobayasi

P-028*

Seasonal changes of daily activity time of Japanese squirrels (*Sciurus lis*) in urban areas
○TAKAHIRO OTAKE, Sachie Segawa, Koji Harashina, Chiaki Nishi, Yoshitaka Deguchi

P-029

Reports on carnivoran fossils from the Middle Eocene of Myanmar and its phyletic significance among early carnivorans

○NAOKO EGI, Takehisa Tsubamoto, Maung Thein Zin Maung, Htike Thaug, Masanaru Takai

P-030

Genetic variation of MHC class II *DRB* genes in Northern and Eastern Europe populations of the pine marten, *Martes martes*.

○YOSHINORI NISHITA, Risto Väinölä, Alexei V. Abramov, Ryuichi Masuda

P-031*

Genetic diversity and evolution of MHC class II DRB gene in the Japanese marten (*Martes melampus*)

○Sho Hosotani, Yoshinori Nishita, Ryuichi Masuda

P-032*

Quantitative evaluation of hair color variation in two species of *Mustela*

○SATOSHI SUZUKI

P-033

Present situation of Siberian weasel *Mustela sibirica* at Tsushima Islands in Nagasaki

○Hinako Okamura, Maho Numakura, Yuka Kondou, Taekop Ishima, Shigeki Watanabe, Takeshi Sekiguchi, Hiroshi Sasaki

P-034*

Diel activity patterns of three sympatric carnivores during winter and spring in a heavy snowfall area

○Ryoga Watabe, Masayuki Saito

P-035

Estimation of diet in fossil raccoon dog species: dietary transition of *Nyctereutes* species estimated by the molar ratio method

○MASAKAZU ASAHARA

P-036

Fruit preference of raccoon dogs

○YOSHIKAZU SEKI, ICHIRO KITADA

P-037*

Comparison for riparian habitat usage between raccoon dogs (*Nyctereutes procyonoides viverrinus*) and raccoons (*Procyon lotor*) in Hachioji Nagaike Park, Tokyo suburb

○AYAKA HIRATA, TAKETO KOBAYASHI, YAYOI KANEKO

P-038*

Estimating population size of raccoon dogs by using DNA-based mark-recapture techniques

○Kotaro Kubo, Kaede Abe, Hideharu Tsukada, Eiji Inoue

P-039*

Changes in the abundance of Raccoons in the urban green area and DNA analysis of non-invasively collected saliva

○Asuka Nishijima, Yoshie Hori, Takehiko Kamito

P-040*

Introduction and expansion of the masked palm civet (*Paguma larvata*) in Japan based on mitochondrial DNA analysis

○YU ENDO, Liang-Kong Lin, Kouji Yamazaki, Kurtis Jai-Chyi Pei, Shin-Wei Chang, Yen-Jean Chen, Keiji Ochiai, Shuji Yachimori, Tomoko Anezaki, Yayoi Kaneko, Ryuichi Masuda

P-041*

Parental care of Japanese badger in the urban green area – Special reference to vocal communication–

○ERI IJIMA, Sara Hasegawa, Hisashi Matsubayashi

P-042*

The distribution and topographic features of sett sites in the Japanese badger at a mountainous ranch

○MIHO MASUDA, HIDEHARU TUKADA, YUKA KAWAGUCHI, KOJI HIJIKATA, YUTAROU TOMITA, MASATO MINAMI

P-043*

Population genetic structure of purebred cats in Japan comparing to the American populations

○YUKI MATSUMOTO, Ayumi Tezuka, Hisashi Ukawa, Napat Ruamrungsri, Leslie Lyons, Genki Ishihara

P-044*

Mobility of the forearm in the Ursidae

○Hayato Amaike, Motoki Sasaki, Nao Tsuzuki, Motoharu Oishi, Kazutaka Yamada, Hideki Endo, Tomoko Anezaki, Naoya Matsumoto, Rumiko Nakasita, Misako Kuroe, Hajime Taru, Gen Bando, Daisuke Fukui, Yuko Iketani, Ryohei Nakamura, Nobutaka Sato, Nobuo Kitamura

P-045*

Morphological changes of the frontal sinuses with development of the skull in the brown bear (*Ursus arctos*)

○RAITO ITAKURA, Motoki Sasaki, Nao Tsuzuki, Naoya Matsumoto, Kazuyoshi Sasaki, Tomoko Anesaki, Chihiro Suzuki, Nobuo Kitamura

P-046*

Examination of fecal DNA barcoding analysis as a diet analysis tool of polar bear

○MINA JIMBO, TAKUSHI KISHIDA, YUKI KITA, RYOHEI NAKAMURA, YOKO MITANI

P-047

Examination of attractant to asiatic black bear using sensor cameras

○TETSUJI ITOH, AKI NAKAJIMA, KOUSUKE NAKAGAWA

P-048*

Estimating factor of seasonal changes of nutritional condition in free-ranging Asiatic black bear (*Ursus thibetanus japonicus*)

○Naoki TAKEKOSHI, Akina Fujitani, Hiroaki Myojyo, Tadashi Iwasaki, Akino Inagaki, Tomoko Naganuma, Kahoko Tochigi, Sayuri Oyama, Chinatsu Kozakai, Naoki Ohnishi, Shinsuke Koike, Koji Yamazaki

P-049*

The association between androgen receptor gene polymorphisms and aggression in the Asian black bear

○Karin Matsuzawa, Atsushi Motohashi, Tatsuki Shimamoto, Hiroo Tamatani, Junpei Tanaka, Gen Oshima, Toshiaki Yamamoto

P-050

Analysis of factors of seasonal movements in juvenile Asiatic black bear in the North Ou Mountains

○SHIGEKAZU KURAKAKE, Mizuki kumon, kiyoshi Yamauchi

P-051*

Factors about fall habitat selection of Asian black bear in the North Ou Mountains

○MIZUKI KUMON, SHIGEKAZU KURAKAKE, KIYOSHI YAMAUCHI

P-052

Relationship between seasonal change of habitat use and radio-cesium contamination in habitat of Asian black bear in Fukushima prefecture

○YUI NEMOTO, Masahiko Kabeya, Rie Saito, Reiko Kumada

P-053*

How does spatial resource variability of oak crops affect the home range size and shape in the Asian black bear?

○ATSUSHI MOTOHASHI, Tatsuki Shimamoto, Hiroo Tamatani, Junpei Tanaka, Gen Oshima, Toshiaki Yamamoto

P-054*

Timing and distance of dispersal in Asian Black Bear revealed by parentage analysis

○Kaede Takayama, Naoki Ohnishi, Koji Yamazaki, Tomoko Anezaki, Tomoko Naganuma, Shinsuke Koike

P-055*

Spatial scale of feeding behavior and patch-use in the Asiatic black bears

○TOMOKI MORI, Saki Nakata, Tomoya Sato, Akiko Takii, Shigeyuki Izumiyama

P-056*

Relationship between diet and body condition of Asian black bears –focusing on the effect of sika deer

○TOMOKO NAGANUMA, Shinsuke Koike, Rumiko Nakashita, Chinatsu Kozakai, Koji Yamazaki

P-057*

Change in bear activity in Yamaguchi Prefecture in the past two decades

○ODA YURIKO, Akitaka Omori, Eri Murakami, Hiroyuki Tado, Eiji Hosoi

P-058*

Influence of summer food abundance on nutritional condition of brown bears

○YURI SHIRANE, Masami Yamanaka, Masanao Nakanishi, Tsuyoshi Ishinazaka, Mina Jimbo, Mariko Sashika, Toshio Tsubota, Michito Shimozuru

P-059

Seasonal changes in diel activity pattern of brown bears for different age-sex classes

YUSAKU TSUDA, HISAAKI TOYOSHIMA, ○YOSHIKAZU SATO

P-060

Evaluation for secondly users of marking trees in Sikhote-Alin Nature Reserve in Primorsky region, Far-East Russia

Seryodkin Ivan, ○KOJI YAMAZAKI, Tensyo Suzuki, Shigeyuki Izumiyama, Hifumi Tsuruga, Shinsuke Koike, Yusuke Goto, Gorshkov Dmitry, Miquelle Dale

P-061

Distribution and the level of harmfulness of Japanese Macaque Troops with SARUGUN program in Chiba Prefecture

○AKI KAWAMURA, Yoshifumi Sugiura, Misao Okano, Daisuke Shiratori, Hiroshi Yamada, Akio Watanabe, Kei Shirai, Kou Hagihara, Hironori Seino, Naomi Inoguchi, Tadanobu Okumura, Ayumi Nishikawa

P-062*

Secondary seed dispersal from cheek pouches of wild Japanese macaques in Yakushima.

○Miki Matsubara

P-063*

Difference of deposition site quality among frugivorous mammals in vertebrate seed dispersal

○KAHOKO TOCHIGI, TOMOKO NAGANUMA, KOJI YAMAZAKI, SHINSUKE KOIKE

P-064*

Wildlife diversity in the mineral licks of Ulu Belait, Brunei Darussalam

○Jeffery Ang

P-065*

Use of the wallows by wild animals in the Tanzawa area in Kanagawa Prefecture

○TOMOYA OOKAWA, yuuichi inamura, chihiro sano, hisashi matubayashi

P-066*

Influences of locomotion cost of walking on the snow on habitat selections by mammals in the Asahi-Iide mountains

○Tatsuhito Sekiguchi, Hiroto Enari, Haruka Enari

P-067*

Spatial patterns of wild mammal occurrence in Endau Rompin National Park, Peninsular Malaysia

○Sho Kobayashi, Shinya Numata, Ayana Ota, Mazlan Hashim

P-068

Haul-out behaviour of spotted seals (*Phoca largha*) in summer at Rebun Island, Hokkaido, Japan

○MIO SHIBUYA, Tomotake Wada, Mari Kobayashi

P-069*

The food habits and feeding strategy of spotted seal (*Phoca largha*) in 3 areas in Hokkaido

○NOBUMICHI TAKANO, Mari Kobayashi

P-070

Winter home range of Steller sea lions rafting along the coast of Shiretoko Peninsula, Hokkaido

○KAORU HATTORI, Daisuke Mizuguchi, Ai Kakinuma

P-071*

Feasibility sighting survey of the finless porpoise in the Tokyo bay based on the training vessels of TUMSAT.

○GEN NAKAMURA, Ayumi Hirose, Tamon Kotake, Haruna Murata, Hikaru Watanabe, Chieri Shibata, Yujin Kim, Hiroto Murase

P-072*

Relationship between seasonal appearance of whales and marine environment around Boso Peninsula

○Taichi Asano, Mio Shibuya, Yukio Miyauchi

P-073*

Growth dependent changes of external morphology of the Antarctic minke whale (*Balaenoptera bonaerensis*)

○YUJIN KIM, FUTABA NISHIMURA, GEN NAKAMURA, TAKEJI BANDO, YOSHIHIRO FUJISE, HIDEHIRO KATO

P-074*

Morphological analysis of the melon in the Hubbs'beaked whale (*Mesoplodon carlhubbsi*)

○Ayano Miyazaki, Motoki Sasaki, Mika Kuroda, Takashi Matsuishi, Yuko Tajima, Tadasu K. Yamada, Shotaro Nakagun, Chihiro Suzuki, Nao Tsuzuki, Nobuo Kitamura

P-075*

Analysis of ovarian tissue for reliable ovarian corpora counts in cetacean

○HIKARI MAEDA, Toshiya Kishiro

P-076

Timeline Analysis of Animal Tracks 3 - A new method for path segmentation

○HIROFUMI HIRAKAWA, Anna Oka, Akiko Takii, Shigeyu Izumiyama, Daisuke Muramatsu, Marcelo Gordo

P-077

How does wild boar change its behavior in response to snow accumulation? : A study in the Special Heavy Snowfall Area

○KYOKO KOBAYASHI, Nami Sato, Koji Hina, Yasuhiko Nakata, Masanari Aoki, Ryota Araki

P-078*

Relationship between foraging ecology and dental microwear in wild boar from Toyama Prefecture

○Koga Miyamoto, Mugino Kubo, Yasushi Yokohata, Jing Zhang, Akira Yasuda

P-079

Body condition of wild boar on snowy area in winter season

○Masaya Komatsu, Piyadasa Kumara Saman, Maki Yamamoto

P-080

Food habits of wild boar confirmed in Oku-Nikko

○Nanako Tatori, Osamu Okumura, Yuji Kodera

P-081*

Reproductive ecology and reproductive potential of Wild boar (*Sus scrofa leukomytax*) in Niigata Prefecture, a snowy area.

○Saman Kumara Piyadasa, Masaya Komatsu, Maki Yamamoto

P-082*

Sex ratio and age structure of wild boar population in Yamizo mountainous region.

○TOMOHIKO ENDO, Yuuji Kodera

P-083*

Relationship between temperature and molting season of Wild Boar in “Yamizosan” area.

○Seiji Tomaru, Yuuji Kodera

P-084

Feeding behavior of Japanese wild boar to bait tablets of classical swine fever vaccine

○Soichiro Doyama, Hironori Ueda, Keisuke Ishikawa, Yusuke Eguchi

P-085*

Relationship between Wildboars (*Sus Scrofa Leucomystax*) and Acorns in Western Yamaguchi Prefecture

○AKITAKA OMORI, Eiji Hosoi, Yui Osaki

P-086

Effect on the vegetation of sika deer with low density habitat in Awashima, Niigata prefecture

○Mayu Ue, Hisashi Fujita, Yoshifumi Fujiwara, Maki Yamamoto

P-087

Effects of crop consumption on body size and reproduction of sika deer (*Cervus nippon*)

○AYAKA HATA, Rumiko Nakashita, Tomoko Anezaki, Masato Minami, Yuko Fukue, Naoko Higuchi, Hikaru Uno, Yasuhiro Nakajima, Midori Saeki, Chinatsu Kozakai, Mayura B Takada

P-088*

Food preference of captive Sika deer, *Cervus nippon*

○Kousaku Tange, Kazusa Inoue, Syuji Kobayasi

P-089*

Grouping behavior of the sika deer at Mt. Fuji, central Japan

○Akane Washida, Hayato Takada

P-090

Observations on female Sika deer based on individual identification on Miyajima Island: long-term changes of reproductive performance and the survival rate.

○YOH IHARA, Akiko Matsumoto, Kosei Yunoki, Atsushi Sato

P-091*

Inter-individual relationships on grooming interactions in the sika deer on Kinkazan Island

○Megumi Ajisawa, Kaede Yamamoto, Azusa Nara, Hisako Midorikawa, Nobumasa Onishi, Naoko Higuchi, Hideharu Tukada, Masato Minami

P-092*

Behavioral characteristics of female Sika Deer, around the parturition period

○Anna OKA, Hirofumi HIRAKAWA, Akiko TAKII, Shigeyuki IZUMIYAMA

P-093*

In Shimane prefecture , usage situation of jibie and the opinion about propulsion of jibie by hunter .

○HITOMI ONUMA, Hiroki Kanamori

P-094*

Seasonal trends of camera trapped frequency on Sika deer and Japanese serow.

○SATSUKI NAKAMORI, Mio Shiraishi, Kotono Yokogawa, Yusaku Yamada, Msaki Ando

P-095*

Variations in home range use of the Japanese serow depending on habitat characteristics

○HAYATO TAKADA, Masato Minami

P-096*

Habitat selection of *Capricornis crispus* assessing by camera trap data and vegetation survey in Nasu Heisei no mori Forest

○Osamu Okumura, Masaaki Koganezawa, Mineaki Aizawa, Tatsuhiro Ohkubo

P-097*

Estimation of population size and relatedness using fecal DNA in Japanese serow

○MAIKO HORI, Hayato Takada, Riki Ouchi, Masato Minami, Eiji Inoue

P-098

Behavioral characteristics of Reeves's muntjac in Boso Peninsula, Chiba, Japan

○YOSHIFUMI SUGIURA, Yusaku Yamada

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Behavior of Reeves's muntjac on iron-containing salt-mineral block in Chiba Prefecture

○CHIIHIRO KASE, Kai Fukumoto, Hiroki Yoshinaga

P-100*

Food habits of feral goats on Katashima Island, Yamaguchi Prefecture.

○Mari Nakamura, Eiji Hosoi, Yui Osaki, Eri Murakami

P-101

After all Wind farm kills bats

○TATSUYA KASAH, Masaki Tanimoto, Nobuhito Honda, Akiyoshi Sato

P-102

Effects of the differences in the fragmented forest area in the suburbs on genetic diversity of *Apodemus speciosus*

○YUUKI KOUMI, Taketo Yokota

P-103*

Distribution and activity of Formosan squirrel established in Mt. Kinka area, Gifu city

○NAOTOSHI KUNINAGA, TAKASHI IKEDA, SHIORI IKUSHIMA, MAKOTO ASANO, MASATSUGU SUZUKI

P-104*

A Detection of Pika calls using Convolutional Neural Network

○Yuko Maegawa, Yuji Ushigome, Naoki Ohnishi, Takanori Matsui

P-105*

Species identification of the introduced mustelid on Kuchinoshima Island in the Tokara Archipelago

○Kazunori Nakazono, Daisuke Sumiyama, Naho Mitani

P-106

Distribution of the American mink *Neovison vison* in Tochigi prefecture

○AKIRA KONDO, Naoko Matsuda

P-107

The present issues of incidental capture of non-target mid-seize animals by leg-binding traps in Komoro, Nagano pref.

○YUKO FUKUE, MASATO MINAMI, TSUYOSHI TAKESHITA

- P-108**
Wild party on discarded fruit from winter to spring
○CHINATSU KOZAKAI, AYAKA HATA, Midori SAEKI, Masahiko TAKEUCHI
- P-109**
Evaluation of appropriate period for collection and cryopreservation of epididymal sperm in raccoons (*Procyon lotor*)
○Yuriko Kobayashi, Kenta Watanabe, Kazuo Suzuki, Makoto Asano
- P-110**
Assessment of acclimatization cages as training environment for the Tsushima leopard cat
○AKIO IWASHITA, Genki Kiritani, Ichihito Yamamoto, Yuta Nagano
- P-111***
The confirmation situation of decrease factor of Tsushima leopard cats in Tsushima
○MAHO M•N NUMAKURA, ICHIHITO I•Y YAMAMOTO
- P-112***
Why are cats maintained at high density on Mikura Island?—Exploring mechanism from predator prey relationship among cats, rats and seabirds—
○Mikuni Tokuyoshi, Nariko Oka, Yuya Watari, Rumiko Nakashita, Hayato Iijima, Sarara Azumi, Tadashi Miyashita
- P-113**
Density estimation of snow leopards in the western Mongolia
○TARO SUGIMOTO, Chimeddorj Buyanaa, Sergelen Erdenebaatar, Takehiko Ito, Ochirjav Munkhtogtokh
- P-114**
Population estimation based on genetic parentage analysis of Asiatic black bear
○NAOKI OHNISHI, Kana Chida, Kaede Takayama, Shinsuke Koike, Koji Yamazaki
- P-115**
Prediction of bear occurrence frequency at the municipality level by a model-based mast production in multiple Fagaceae species
○DAISUKE FUJIKI
- P-116**
Arrival of a brown bear on the Rishir island, a remote island of Hokkaido, Japan
○TSUTOMU MANO, Hifumi Tsuruga
- P-117**
Development of brown bear individual identification method using damaged corn—remains
○HIFUMI TSURUGA, Mami Kondo, Katsumi Tamada

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Cultural Anthropology on Wildlife Issues: The Relationship between Brown Bears and People in Dairy Areas in Hokkaido

○Tomoka Matsumoto

P-119

Examination of the method for estimating ideal population Japanese macaques that forest can support

○HIROSHI EBIHARA, AKI MITSUHASHI, MUSASHI KURAMOTO, HIRONORI SEINO

P-120

The comparison of biota by automatic shooting cameras before and after the construction of the tree crown trail

○KUMIKO SAWABE, . Morihito

P-121*

Individual identification of Japanese harbour seals using microsatellite loci

○MARIKO MIZUNO, Mari Kobayashi

P-122

Influence of brown bear predation on newborn sika deer in the Shiretoko Peninsula.

○MASAMI YAMANAKA, Michito Shimozuru, Yuri Shirane, Mayu Kiyonari, Masanao Nakanishi, Tsuyoshi Ishinazaka, Hiroyuki Uno, Mina Jinpo, Shinsuke Kasai, Takane Nose, Yoshihiro Umemura

P-123

Monitoring of wild boar(*Sus scrofa*)and Sika deer(*Cervus nippon*)using camera trap in the Tateyama area of the Northern Alps

○KAZUYORI MAMIYA, Akaza Hisaaki

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Spatiotemporal change of 8 years camera trapping data in sika-deer at the highland of Kanto-Sanchi mountains

○Yosuke F Mori, Shingo Yoshida, Takayuki Haneda, Yukiko Namba, Tadanobu Okumura

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Analysis of nutritional and reproductive status of sika deer in Iwate prefecture.

○Miyu Tanaka, Shigekazu Kurakake, Kiyoshi Yamauchi

P-126*

Estimation of Deer population by state space models using Bayesian estimation in Awashima, Niigata.

○Yoshifumi Fujiwara, Ayaka Tsukada, Maki Yamamoto

P-127

Deer population density around farmland can increase with rise in hunting pressure in Mino national forest

○RYOSUKE KODA, Yuzuru Ishizuka, Takashi F Haraguchi

P-128*

Genetic structures at various spatial scales of Sika deer (*Cervus nippon*) in Kii Peninsula

○TOSHIHITO TAKAGI, HARUMI TORII, HIDETOSHI B TAMATE

P-129

Factors affecting the spread of sika deer in the Chugoku region

○CHIZURU YAYOTA, Teruki Oka

P-130*

Spatiotemporal variations in browsing damage by sika deer on plantations in Kyushu Island during 2013–2017

○KEI K SUZUKI, Yasufumi Watanabe, Takuya Kubota, Yasumitsu Kuwano, Teruki Oka

P-131

Induction technique of sika deer by electric fence

○YOSHIHIRO INATOMI, Toshikatsu Kamei

P-132

The trial of design and evaluation for deer culling as public works

○AKIO ICHIKAWA, Koudai Hanai, Tomoki Nishimura

P-133

Damage to paddy rice by sika deer. –Difference between sika deer and wild boar in the patterns of appearance and the marks left on rice.–

○HIRONORI UEDA, Soichiro Doyama, Keisuke Ishikawa, Yusuke Eguchi

P-134

Examining the field survey method on effective sika deer (*Cervus nippon*) capturing.

○AKI NAKAJIMA, Musashi Kuramoto, Taisuke Miyamoto, Yasue Yamamoto, Aki Mitsuhashi, Hironori Seino

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The spatial analysis of habitat use on effective sika deer (*Cervus nippon*) capturing

○Musashi Kuramoto, Aki Mitsuhashi, Taisuke Miyamoto, Yasue Yamamoto, Hironori Seino

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Preference for grass and crop species of Sika deer

○AKIRA UNNO, NOBUHIRO AKASHI, TAKU HAYASHI, TOSHIKATU KAMEI, YOSHIHIRO INATOMI

- P-137** Damage to paddy rice by sika deer. -Influence on yield of paddy rice.-
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